

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120919\
 Data File : VD064480.D
 Acq On : 09 Dec 2019 19:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
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 12/10/2019 4:06:55 PM

Quant Time: Dec 10 03:05:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	408691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	617592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	568138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285627	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	202046	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	
35) Dibromofluoromethane	7.92	113	201830	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
50) Toluene-d8	10.34	98	741794	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.64	95	241799	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	182211	49.205	ug/l	100
3) Chloromethane	2.21	50	238526	51.069	ug/l	99
4) Vinyl Chloride	2.35	62	283090	52.494	ug/l	99
5) Bromomethane	2.77	94	202656	50.816	ug/l	98
6) Chloroethane	2.92	64	194525	53.967	ug/l	98
7) Trichlorofluoromethane	3.27	101	483860	53.972	ug/l	96
8) Diethyl Ether	3.71	74	104787	56.248	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	199810	51.980	ug/l	97
10) Methyl Iodide	4.30	142	236552	58.273	ug/l	100
11) Tert butyl alcohol	5.26	59	62530	265.547	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	194667	52.845	ug/l	98
13) Acrolein	3.93	56	81459	253.620	ug/l	97
14) Allyl chloride	4.71	41	313965	54.613	ug/l	99
15) Acrylonitrile	5.43	53	226563	278.110	ug/l	98
16) Acetone	4.17	43	195263	261.206	ug/l	94
17) Carbon Disulfide	4.40	76	613647	52.597	ug/l	98
18) Methyl Acetate	4.73	43	121341	55.648	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	471526	55.802	ug/l	99
20) Methylene Chloride	4.96	84	231339	61.971	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	229691	55.123	ug/l	98
22) Diisopropyl ether	6.37	45	642645	56.625	ug/l	97
23) Vinyl Acetate	6.31	43	1882663	281.385	ug/l	98
24) 1,1-Dichloroethane	6.27	63	380314	55.722	ug/l	99
25) 2-Butanone	7.23	43	283273	267.951	ug/l	99
26) 2,2-Dichloropropane	7.21	77	322450	54.325	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	254396	55.999	ug/l	99
28) Bromochloromethane	7.55	49	136239	58.409	ug/l	99
29) Tetrahydrofuran	7.57	42	189125	281.183	ug/l	97
30) Chloroform	7.71	83	398656	56.398	ug/l	98
31) Cyclohexane	7.98	56	333165	56.508	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	358577	54.717	ug/l	99
36) 1,1-Dichloropropene	8.11	75	302917	51.855	ug/l	99
37) Ethyl Acetate	7.30	43	131481	53.045	ug/l	99
38) Carbon Tetrachloride	8.10	117	326039	52.883	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	364485	50.300	ug/l	99
40) Benzene	8.35	78	873497	53.838	ug/l	98
41) Methacrylonitrile	7.53	41	72460	50.975	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	253978	53.678	ug/l	100
43) Isopropyl Acetate	8.46	43	257939	52.926	ug/l	99
44) Trichloroethene	9.11	130	253945	51.961	ug/l	99
45) 1,2-Dichloropropane	9.39	63	215058	55.424	ug/l	98
46) Dibromomethane	9.48	93	119712	54.663	ug/l	98
47) Bromodichloromethane	9.67	83	310377	55.157	ug/l	100
48) Methyl methacrylate	9.46	41	120591	54.074	ug/l	98
49) 1,4-Dioxane	9.46	88	29264	1082.123	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	645067	267.506	ug/l	100
52) Toluene	10.40	92	561857	53.138	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	295612	55.122	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	351418	55.160	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	162335	54.135	ug/l	98
56) Ethyl methacrylate	10.66	69	209228	54.705	ug/l	100
57) 1,3-Dichloropropane	10.95	76	280045	54.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	381062	249.931	ug/l	99
59) 2-Hexanone	10.98	43	438146	261.853	ug/l	98
60) Dibromochloromethane	11.14	129	221469	54.471	ug/l	98
61) 1,2-Dibromoethane	11.25	107	156571	52.293	ug/l	99
64) Tetrachloroethene	10.88	164	228149	52.660	ug/l	97
65) Chlorobenzene	11.67	112	608254	51.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	232184	52.931	ug/l	99
67) Ethyl Benzene	11.75	91	1070669	50.784	ug/l	99
68) m/p-Xylenes	11.86	106	831988	103.497	ug/l	100
69) o-Xylene	12.18	106	387562	52.202	ug/l	100
70) Styrene	12.20	104	678163	52.565	ug/l	100
71) Bromoform	12.36	173	136193	51.895	ug/l #	97
73) Isopropylbenzene	12.48	105	1032362	50.255	ug/l	99
74) N-amyl acetate	12.29	43	235344	50.477	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	170288	50.127	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	126851m	54.004	ug/l	
77) Bromobenzene	12.77	156	260439	51.339	ug/l	99
78) n-propylbenzene	12.83	91	1189878	50.201	ug/l	100
79) 2-Chlorotoluene	12.91	91	667963	51.216	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	850713	50.676	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	54098	50.220	ug/l	99
82) 4-Chlorotoluene	13.01	91	695964	50.400	ug/l	100
83) tert-Butylbenzene	13.23	119	739718	50.685	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	850878	50.407	ug/l	100
85) sec-Butylbenzene	13.41	105	996448	49.746	ug/l	99
86) p-Isopropyltoluene	13.53	119	954145	50.455	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	489787	50.869	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	486469	51.175	ug/l	100
89) n-Butylbenzene	13.85	91	867945	50.540	ug/l	99
90) Hexachloroethane	14.12	117	180980	51.167	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	419319	50.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26497	52.412	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	317449	50.374	ug/l	100
94) Hexachlorobutadiene	15.28	225	193385	49.709	ug/l	99
95) Naphthalene	15.41	128	524841	49.904	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	273824	50.904	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

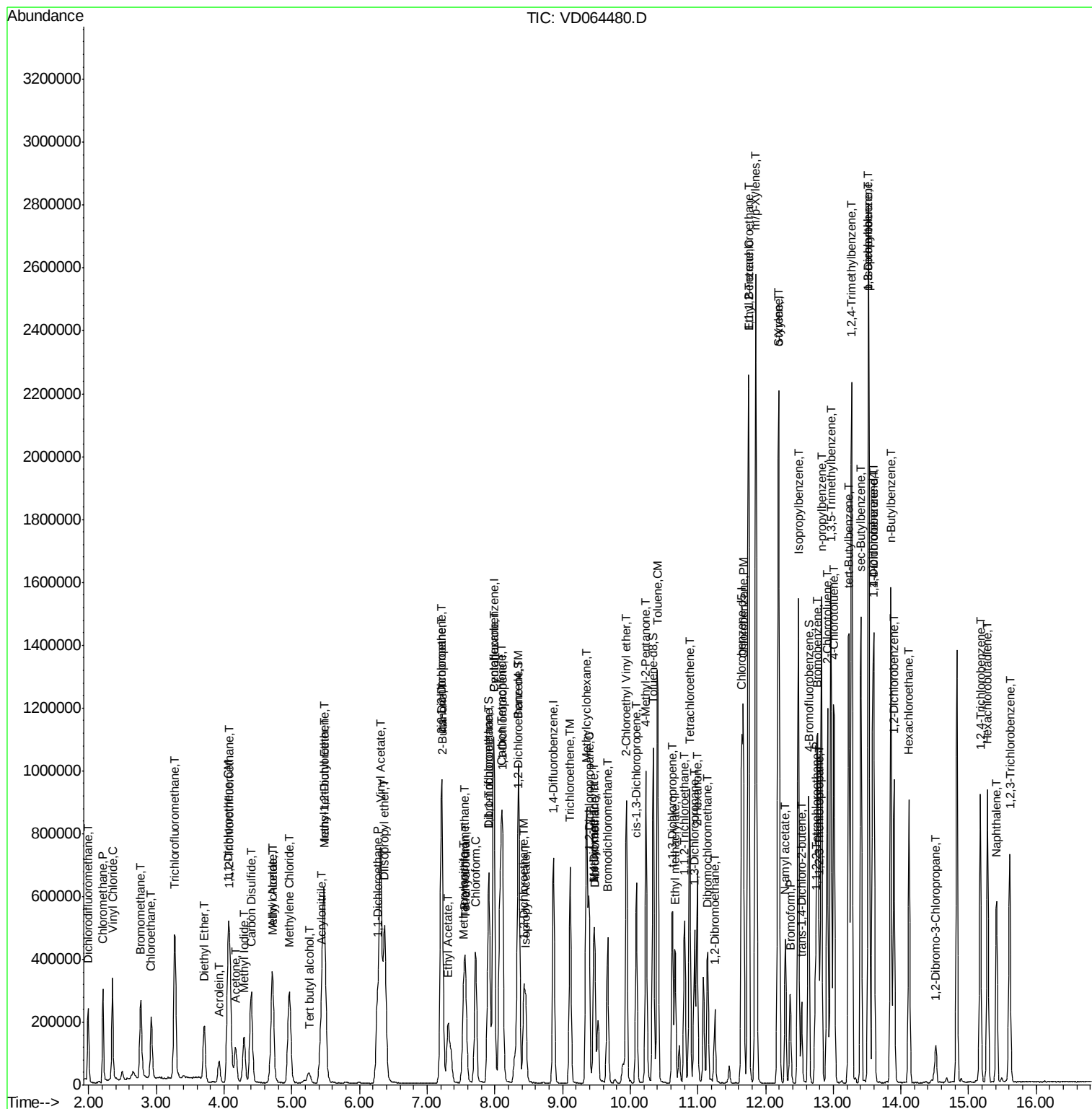
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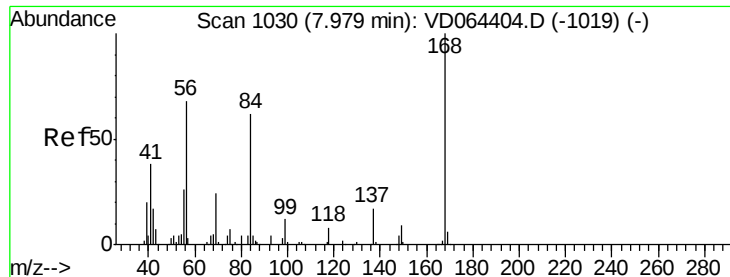
Instrument :
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 ClientSampleId :
 VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 408691

Ion Ratio Lower Upper

168 100

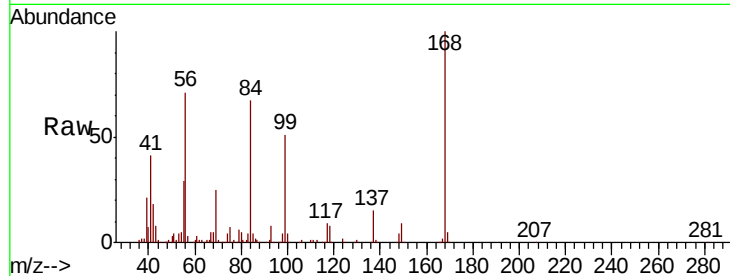
99 50.8 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

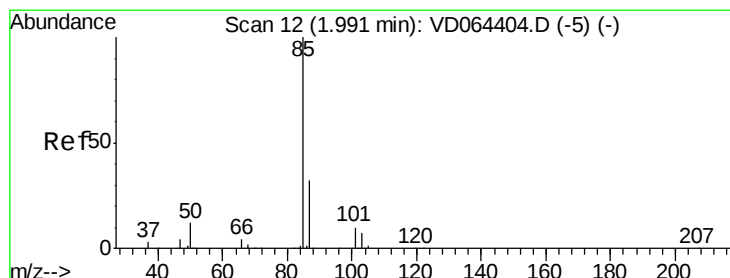
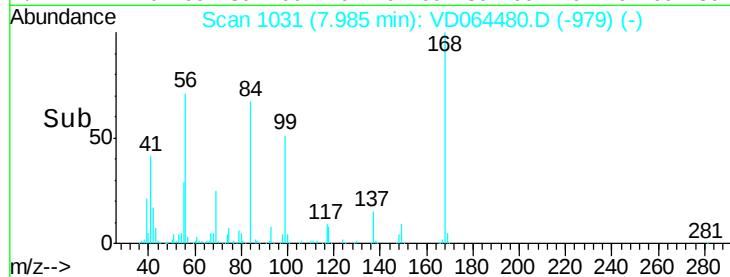
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.205 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064480.D

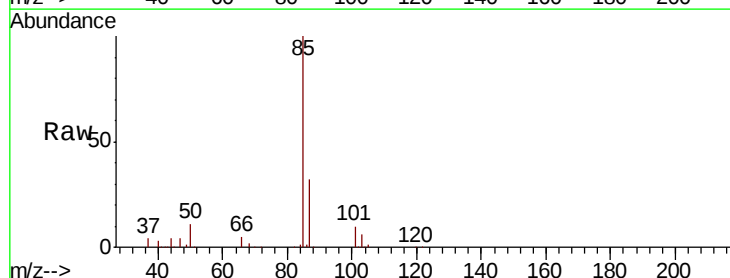
Acq: 09 Dec 2019 19:42

Tgt Ion: 85 Resp: 182211

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

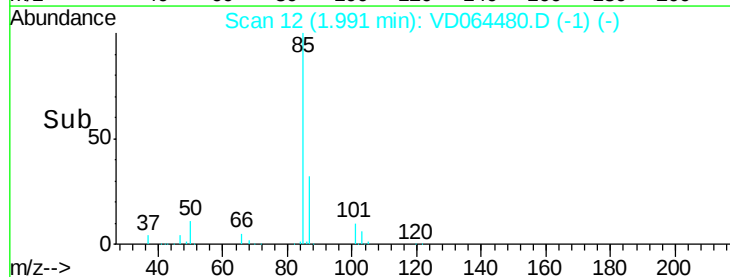
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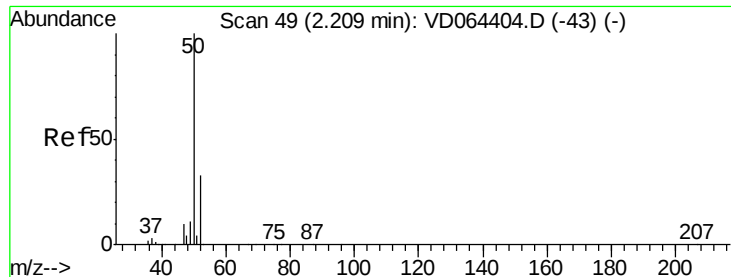
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 51.069 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 238526

Ion Ratio Lower Upper

50 100

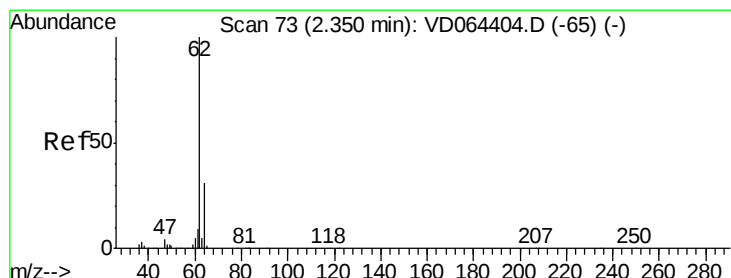
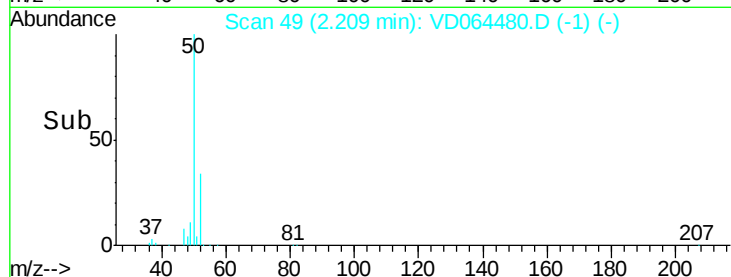
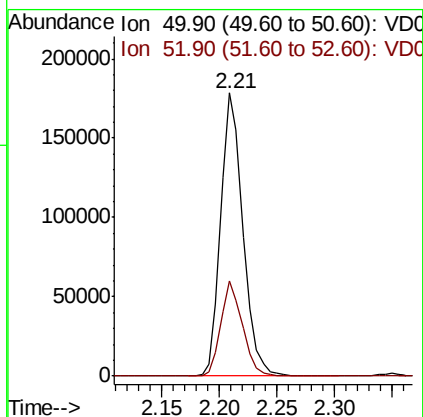
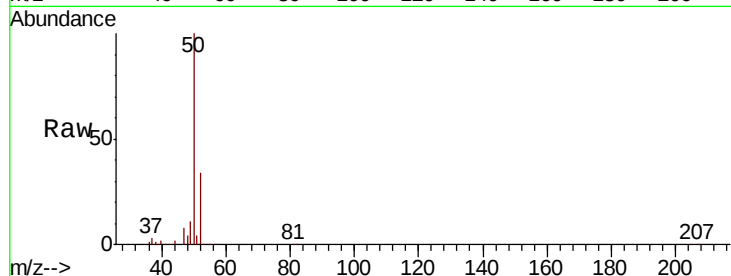
52 33.7 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.494 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064480.D

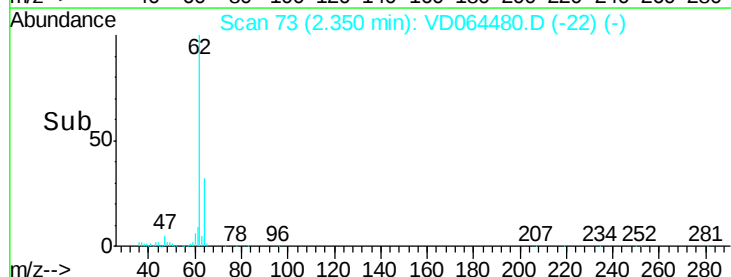
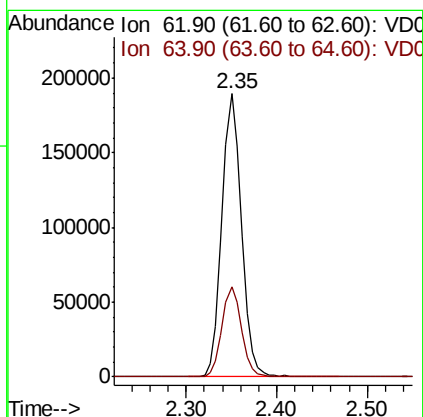
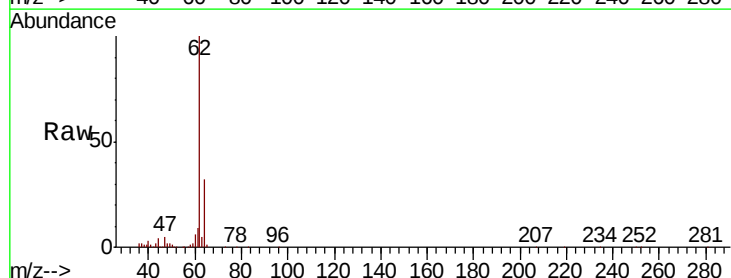
Acq: 09 Dec 2019 19:42

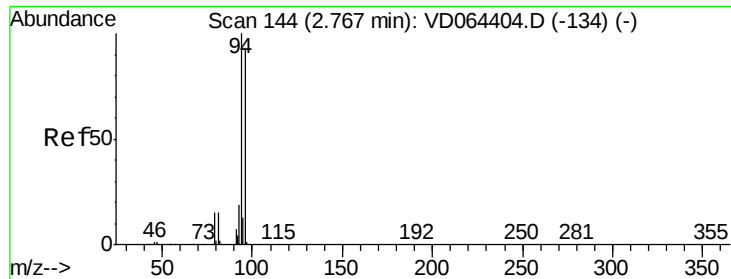
Tgt Ion: 62 Resp: 283090

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.4





#5

Bromomethane

Concen: 50.816 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 202656

Ion Ratio Lower Upper

94 100

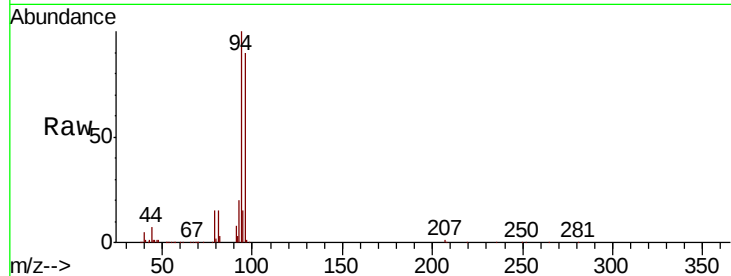
96 89.8 73.6 110.4

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

100000

80000

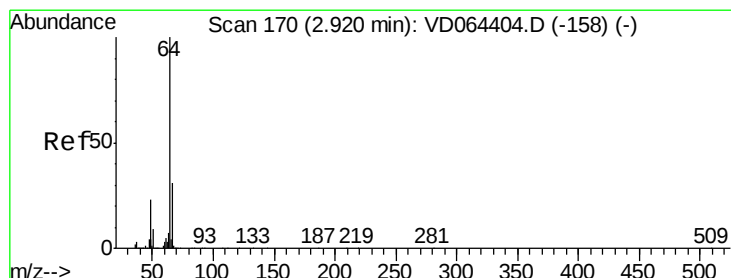
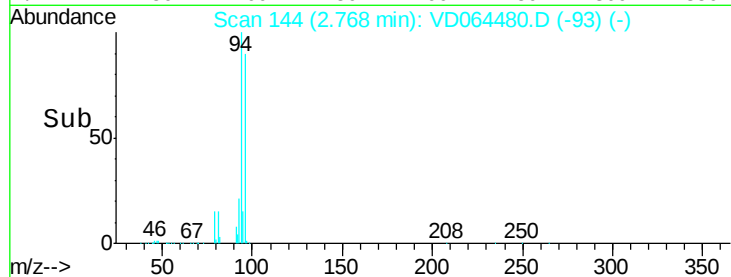
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 53.967 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064480.D

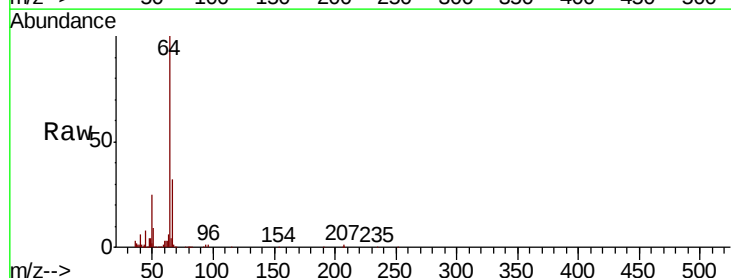
Acq: 09 Dec 2019 19:42

Tgt Ion: 64 Resp: 194525

Ion Ratio Lower Upper

64 100

66 32.0 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

100000

80000

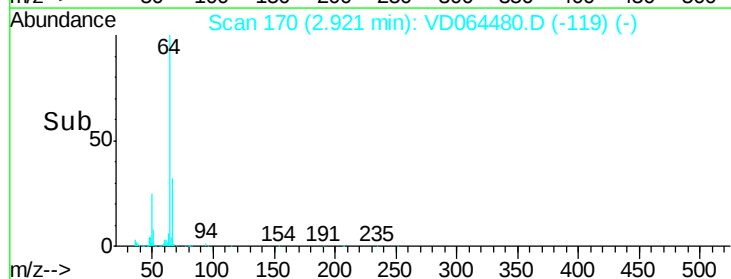
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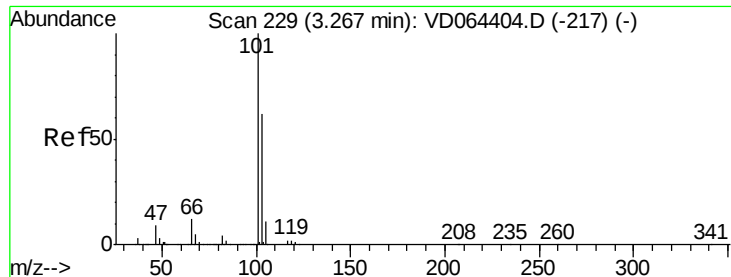
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Time-->





#7

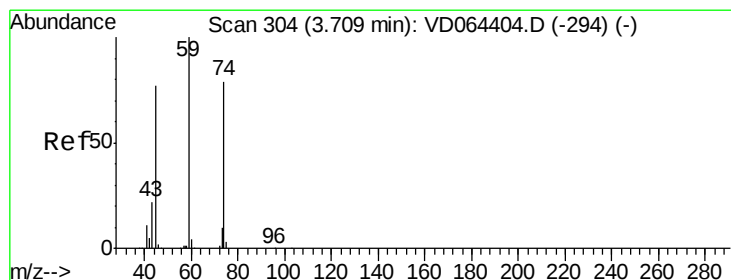
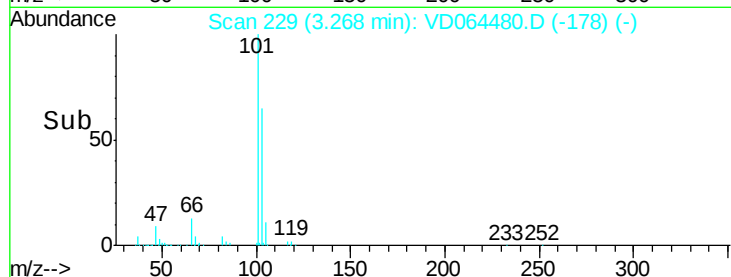
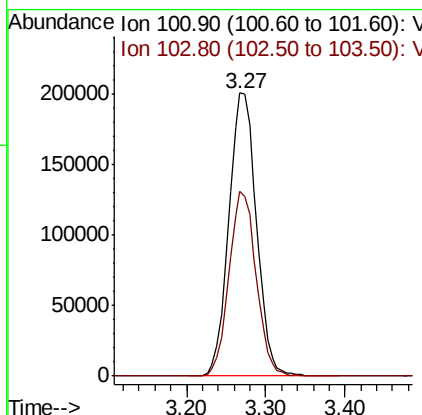
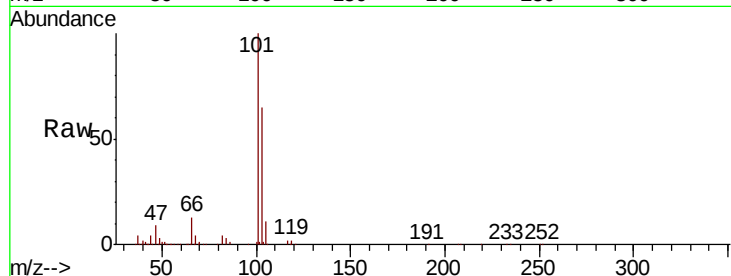
Trichlorofluoromethane
 Concen: 53.972 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.8	74.6

Manual Integrations
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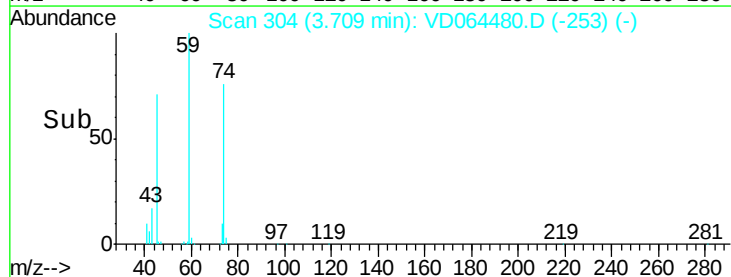
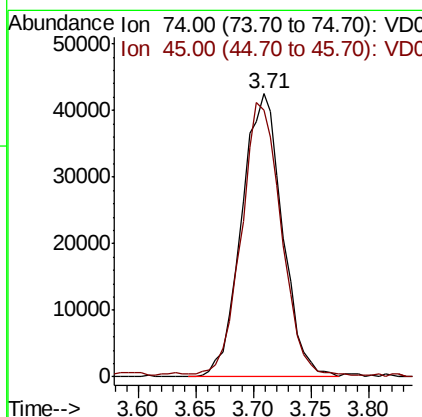
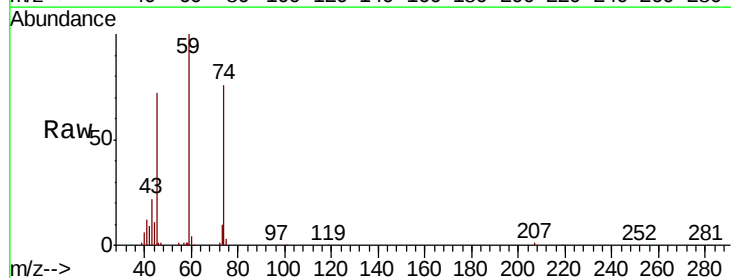
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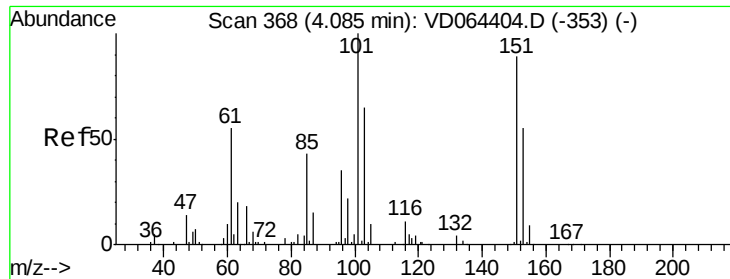


#8

Diethyl Ether
 Concen: 56.248 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.980 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

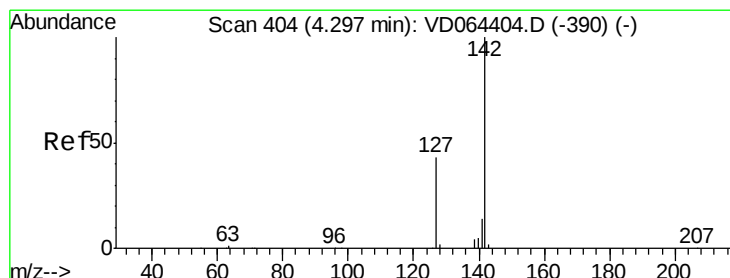
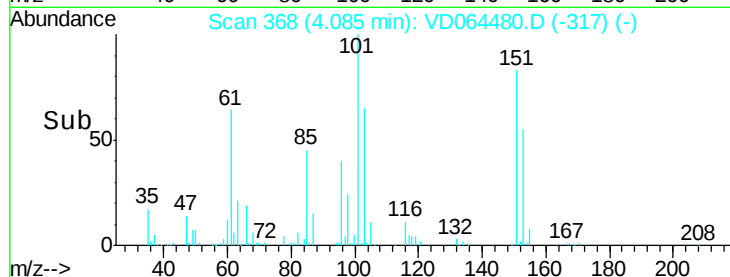
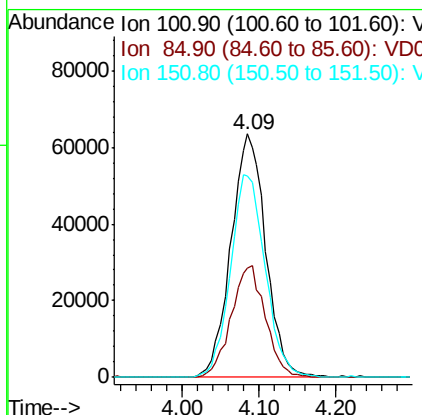
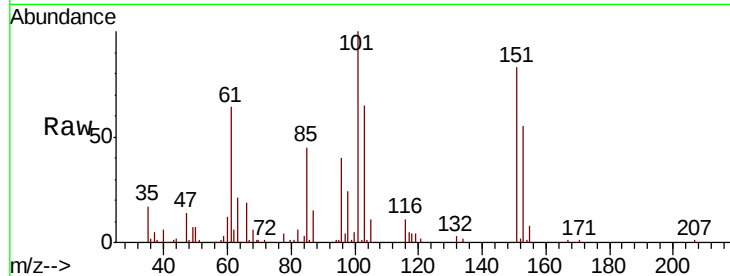
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	199810
Ion Ratio	Lower	Upper	
101	100		
85	45.2	34.8	52.2
151	83.4	68.8	103.2

Manual Integrations
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#10

Methyl Iodide

Concen: 58.273 ug/l

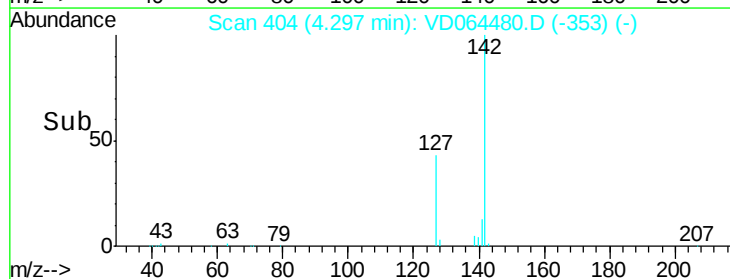
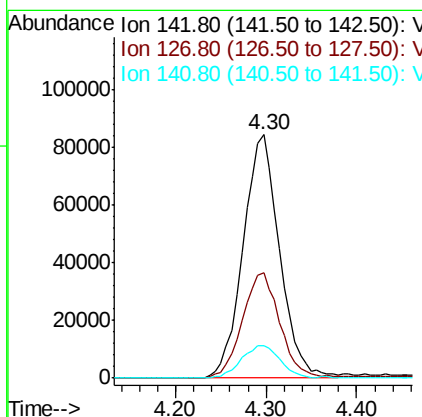
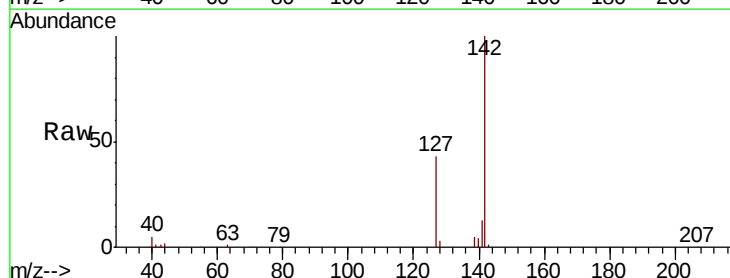
RT: 4.30 min Scan# 404

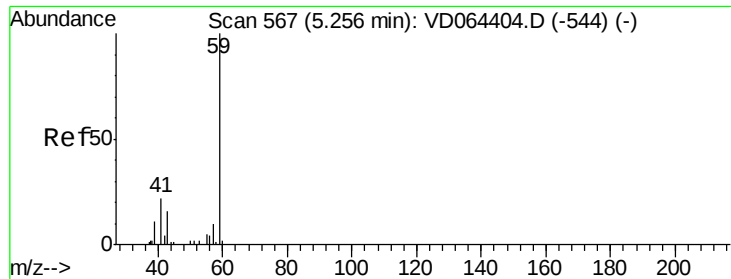
Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Tgt Ion:	142	Resp:	236552
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.3	52.9
141	14.3	11.6	17.4





#11

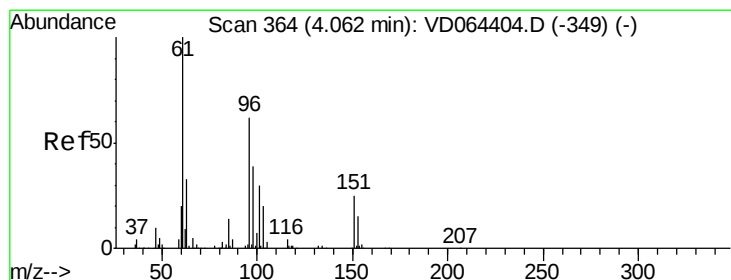
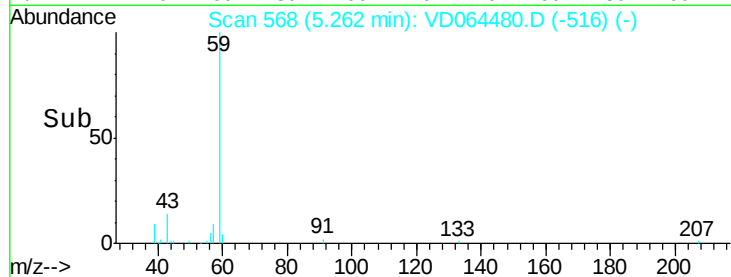
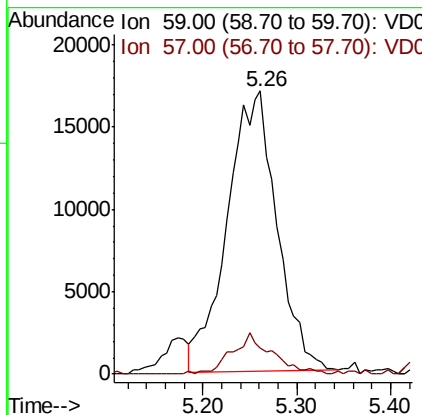
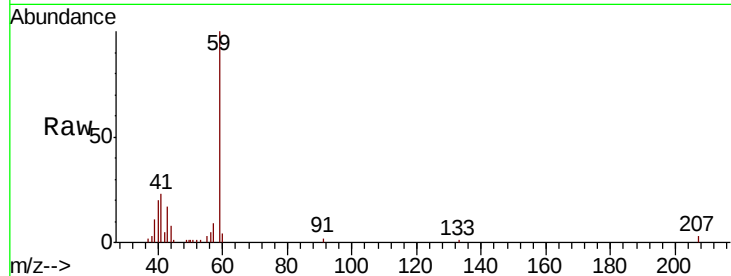
Tert butyl alcohol
Concen: 265.547 ug/l
RT: 5.26 min Scan# 568
Delta R.T. 0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 62530
Ion Ratio Lower Upper
59 100
57 11.8 0.0 0.0#

Manual Integrations
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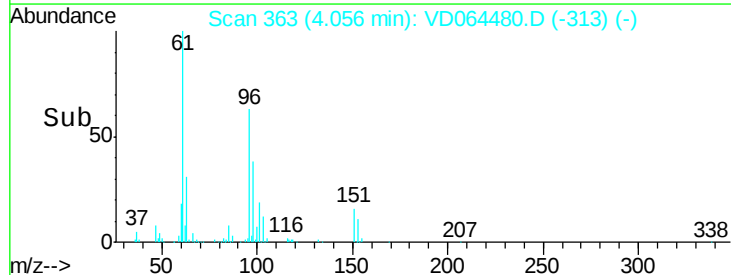
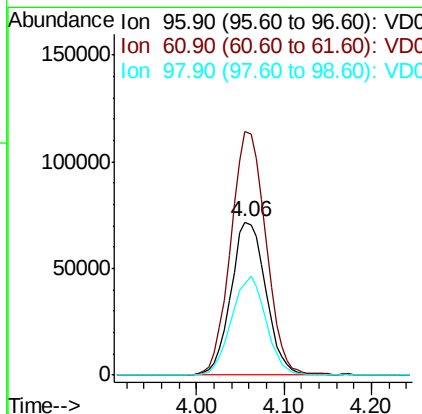
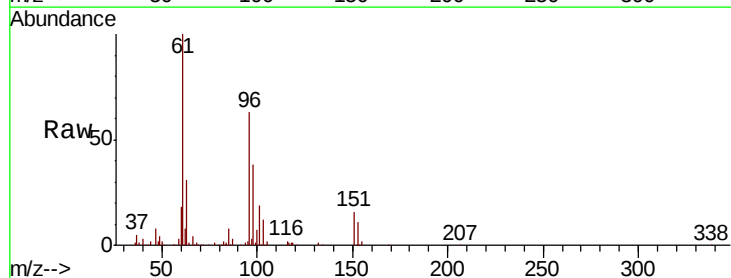
apatel
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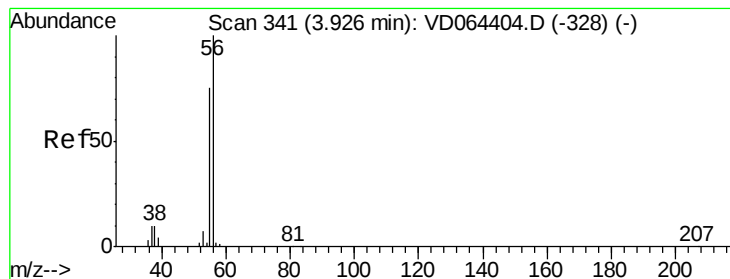


#12

1,1-Dichloroethene
Concen: 52.845 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion: 96 Resp: 194667
Ion Ratio Lower Upper
96 100
61 158.9 128.2 192.4
98 59.8 50.4 75.6





#13

Acrolein

Concen: 253.620 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 81459

Ion Ratio Lower Upper

56 100

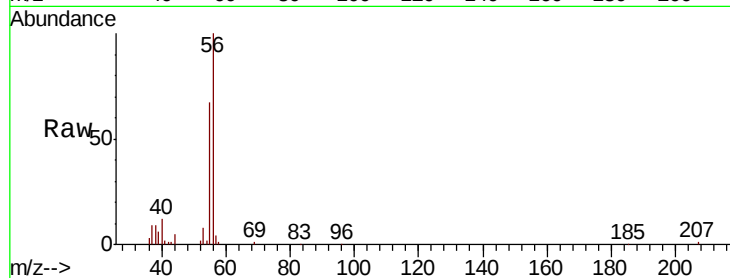
55 68.7 56.9 85.3

Manual Integrations

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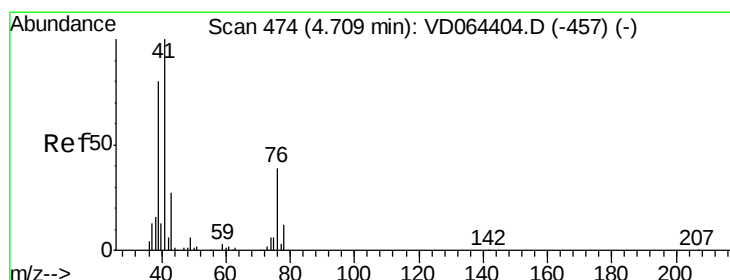
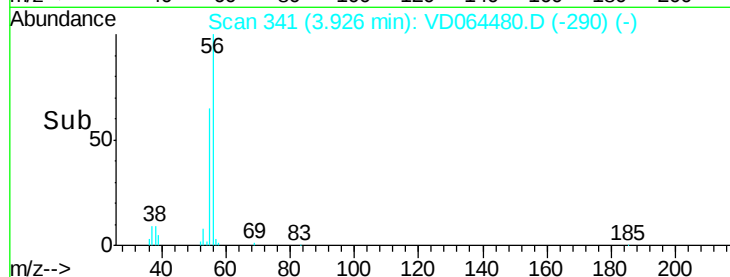
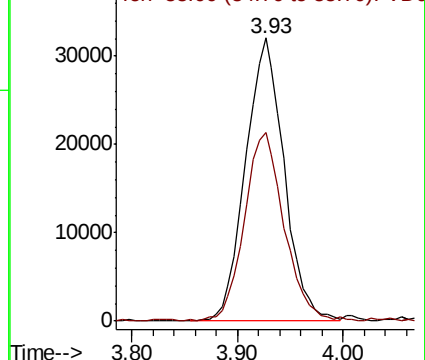
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 54.613 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

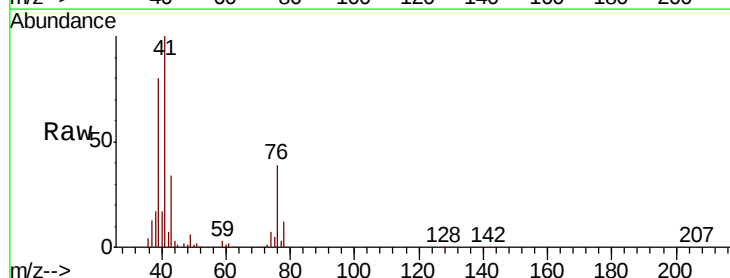
Tgt Ion: 41 Resp: 313965

Ion Ratio Lower Upper

41 100

39 77.0 62.1 93.1

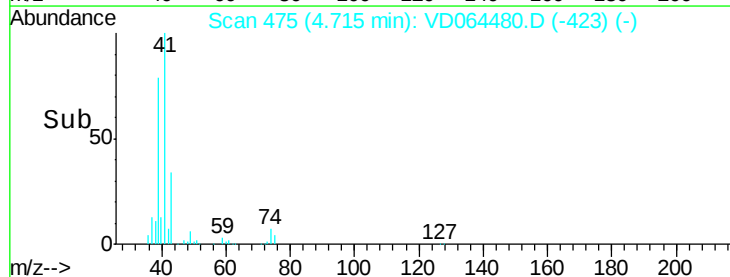
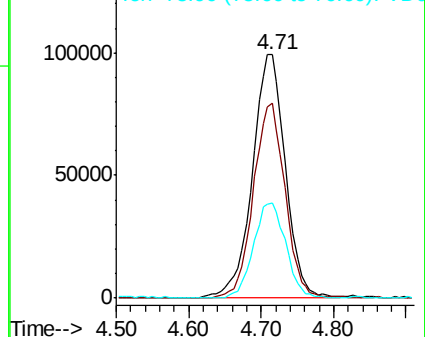
76 38.4 29.8 44.8

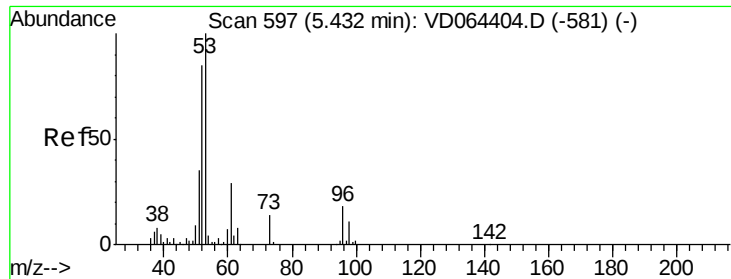


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 278.110 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

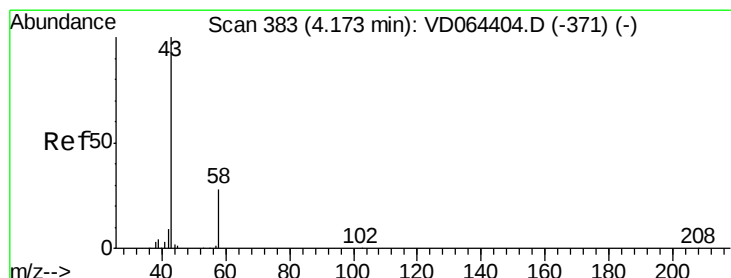
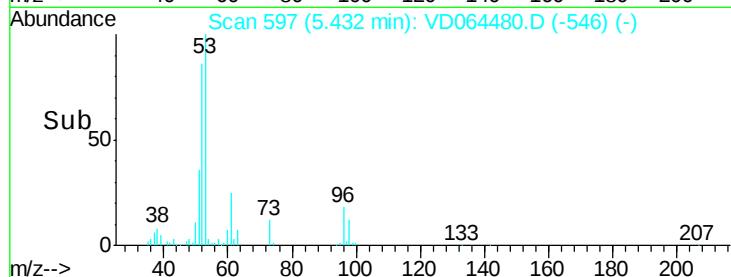
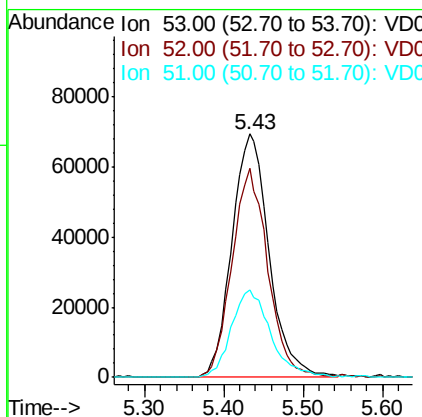
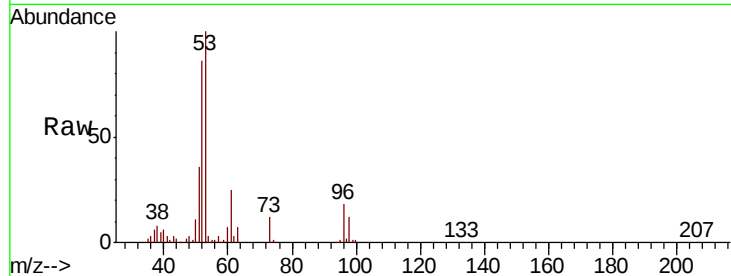
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	226563
Ion Ratio	Lower	Upper	
53	100		
52	82.4	67.9	101.9
51	38.0	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 261.206 ug/l

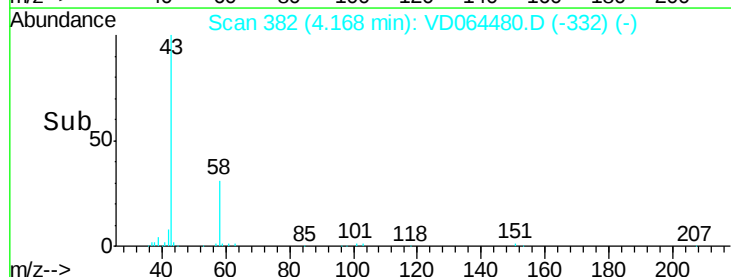
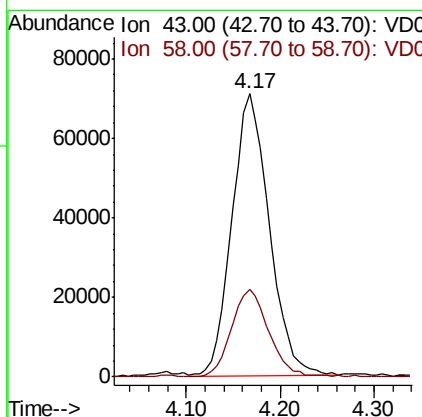
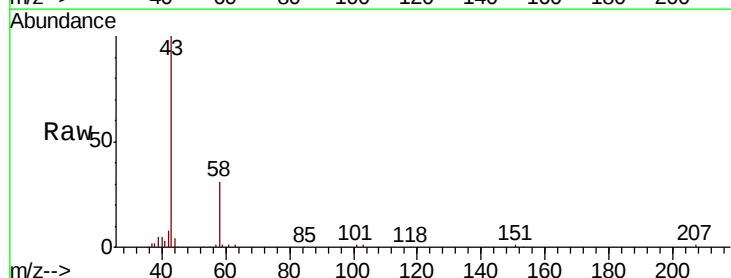
RT: 4.17 min Scan# 382

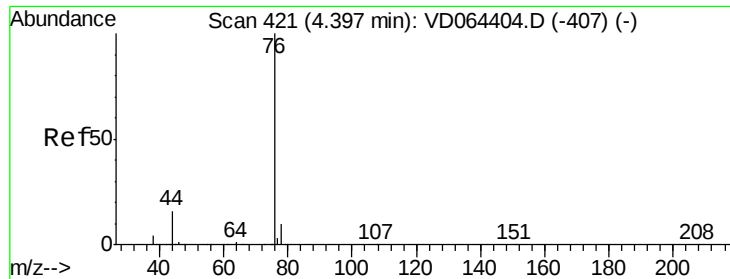
Delta R.T. -0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Tgt Ion:	43	Resp:	195263
Ion Ratio	Lower	Upper	
43	100		
58	31.3	22.6	33.8





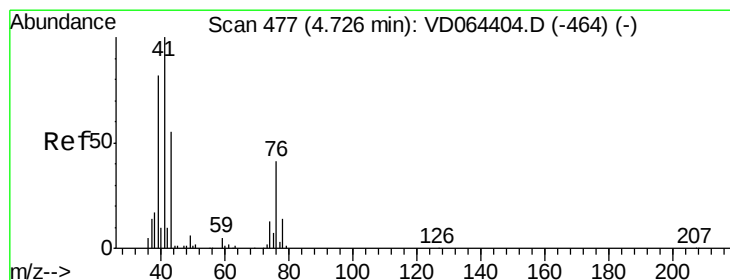
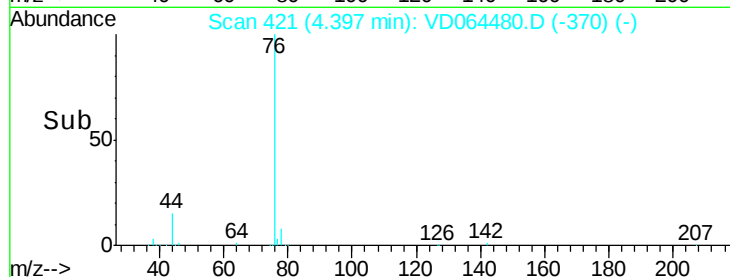
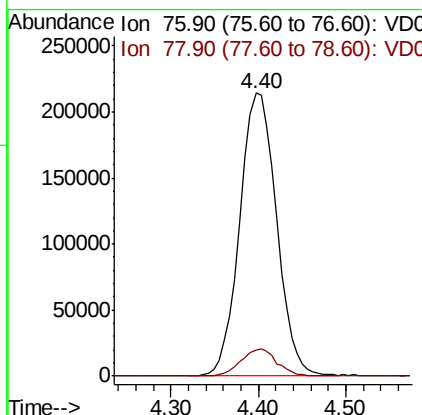
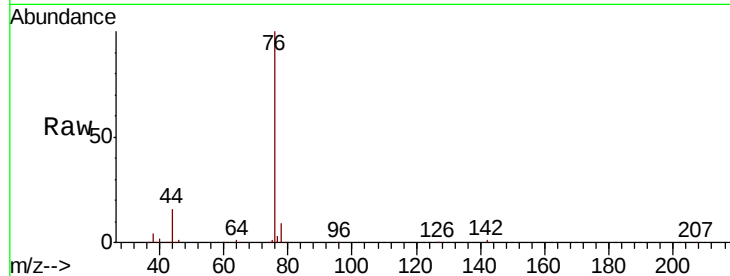
#17
Carbon Disulfide
Concen: 52.597 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.8	11.8

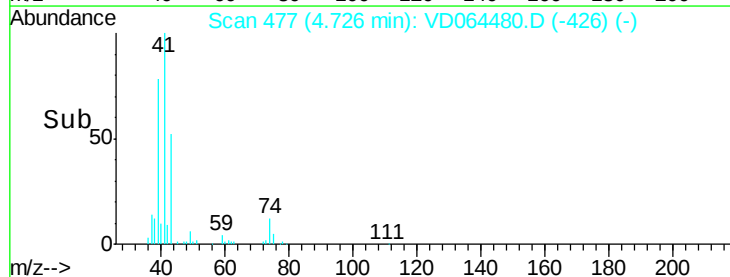
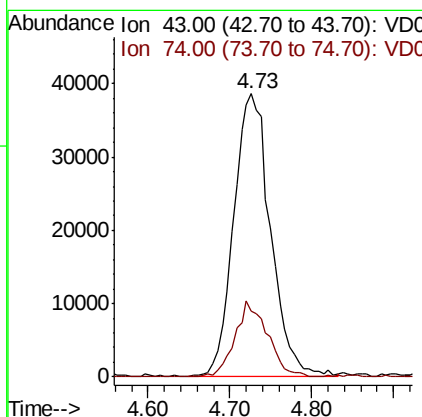
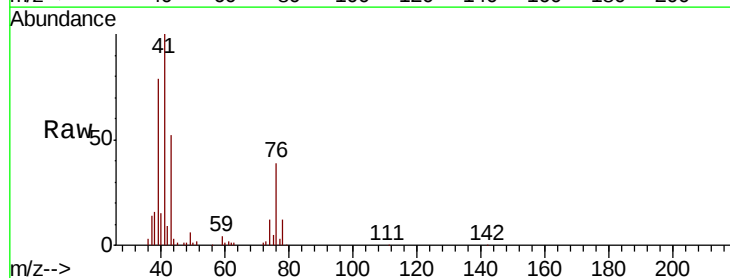
Manual Integrations
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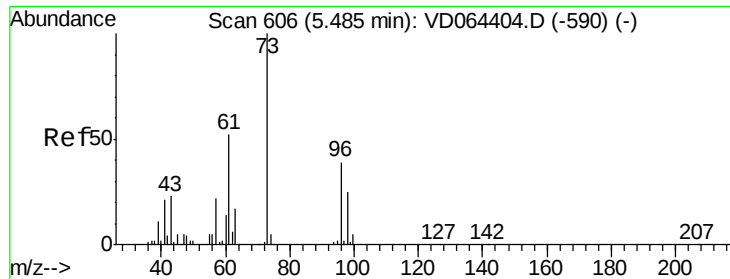
apatel
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#18
Methyl Acetate
Concen: 55.648 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.7	29.5





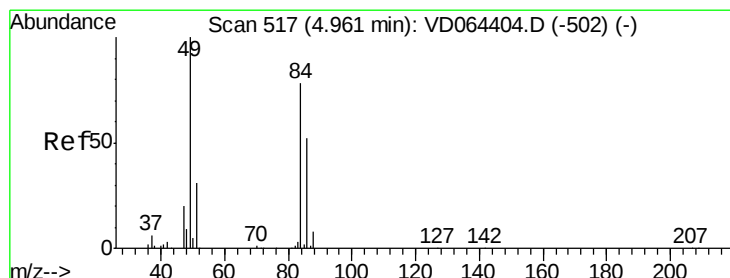
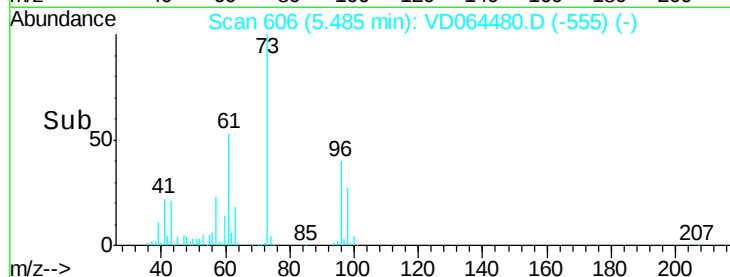
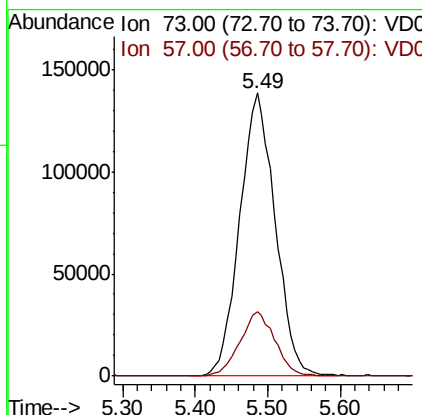
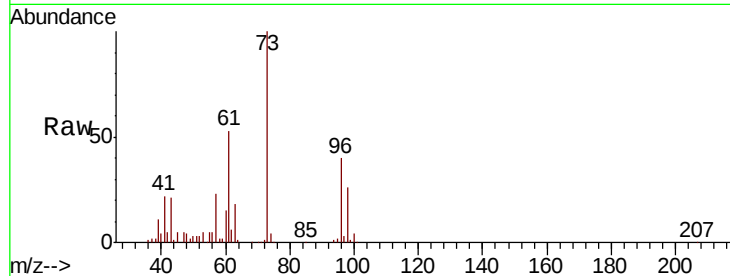
#19
Methvl tert-butvl Ether
Concen: 55.802 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 471526
Ion Ratio Lower Upper
73 100
57 22.6 17.6 26.4

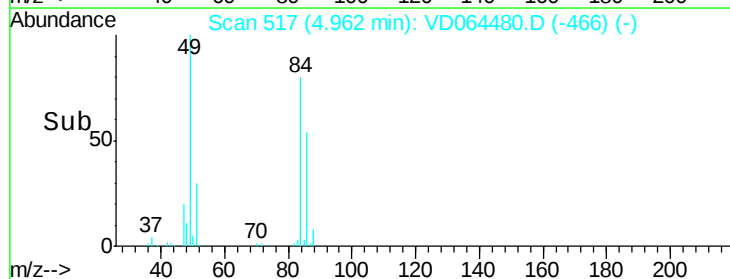
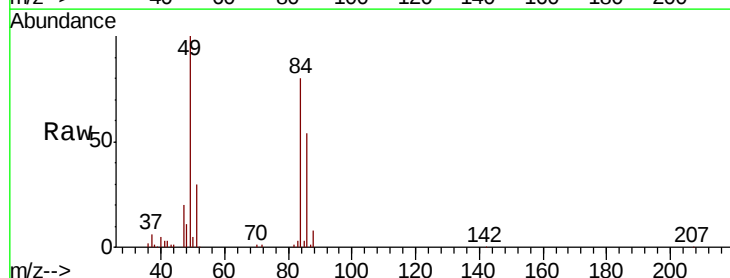
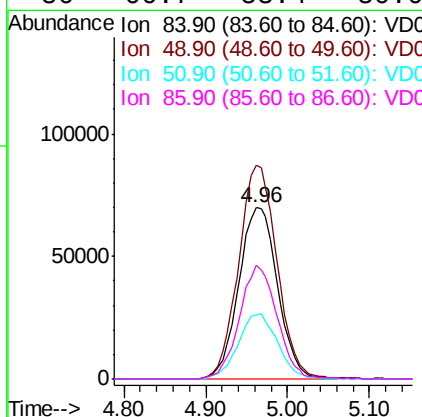
Manual Integrations
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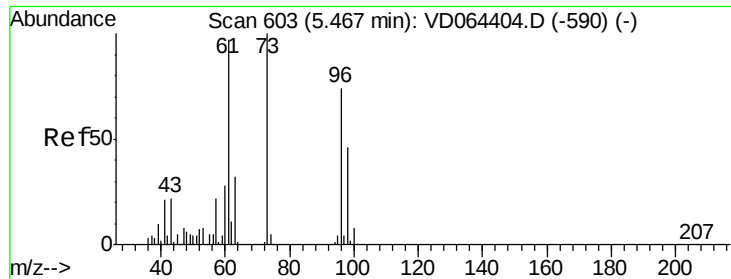
apatel
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#20
Methylene Chloride
Concen: 61.971 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion: 84 Resp: 231339
Ion Ratio Lower Upper
84 100
49 124.7 102.6 153.8
51 37.7 32.0 48.0
86 66.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 55.123 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 229691

Ion Ratio Lower Upper

96 100

61 128.2 105.8 158.6

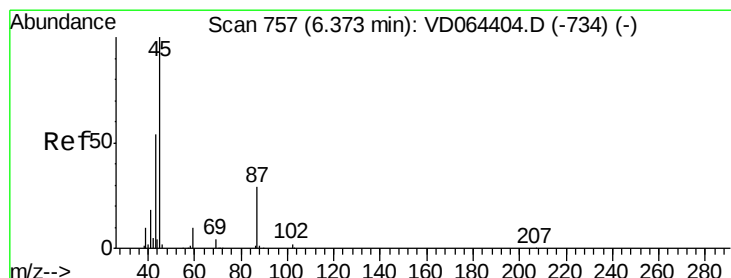
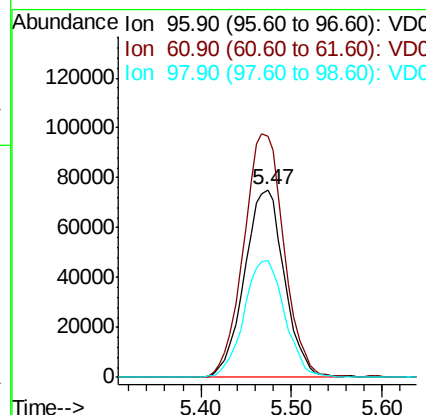
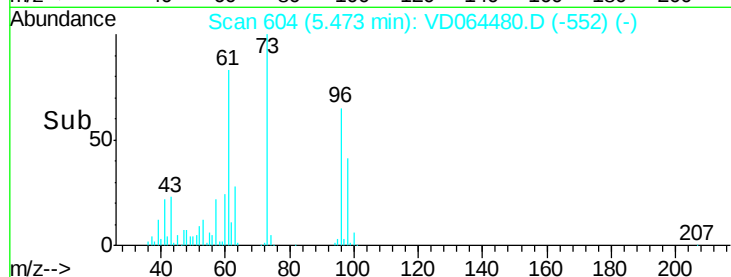
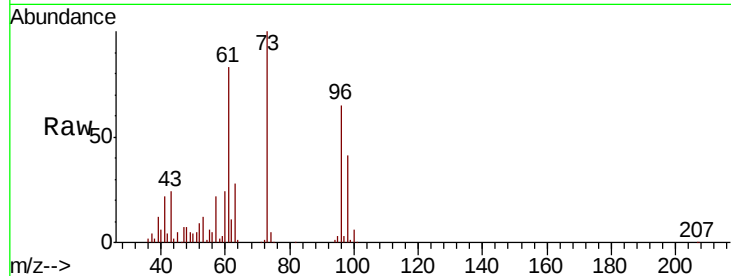
98 62.5 50.1 75.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 56.625 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Tgt Ion: 45 Resp: 642645

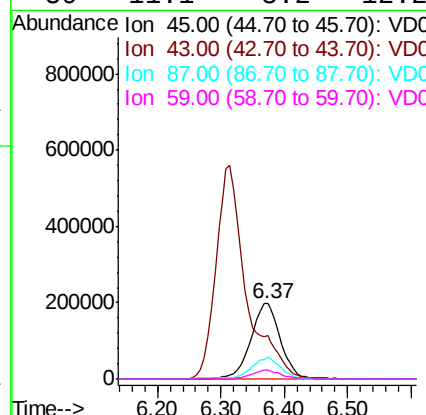
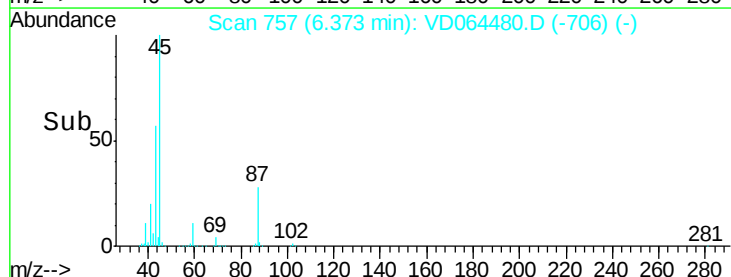
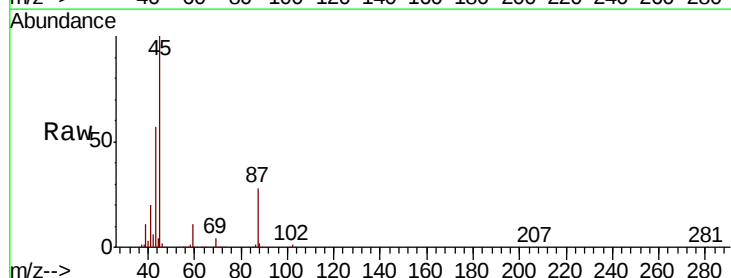
Ion Ratio Lower Upper

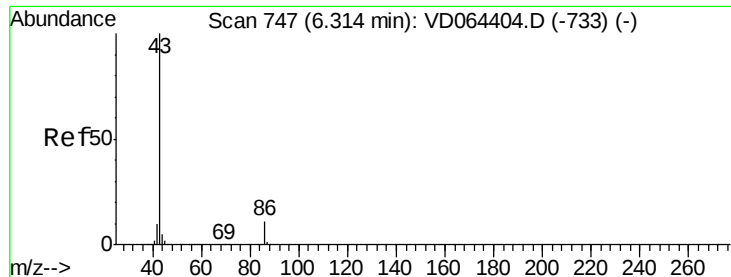
45 100

43 56.2 43.1 64.7

87 27.9 23.5 35.3

59 11.1 8.2 12.2





#23

Vinyl Acetate

Concen: 281.385 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1882663

Ion Ratio Lower Upper

43 100

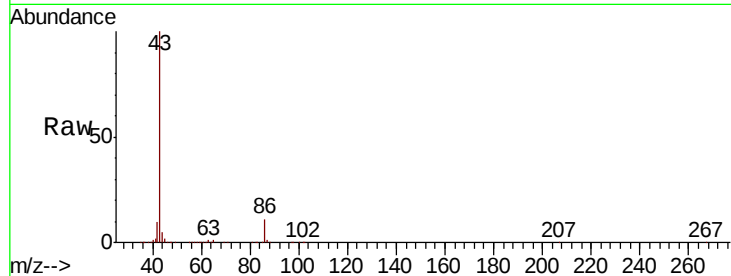
86 10.5 8.9 13.3

Manual Integrations

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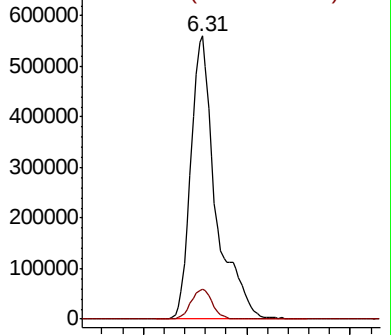
apatel

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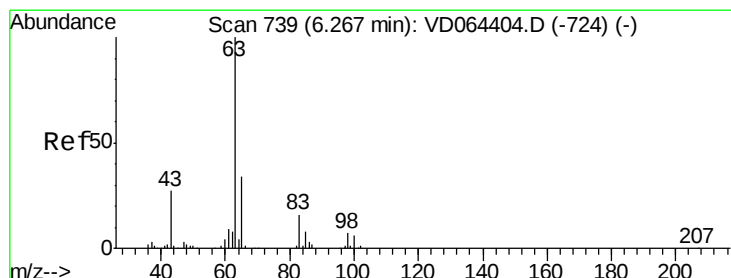
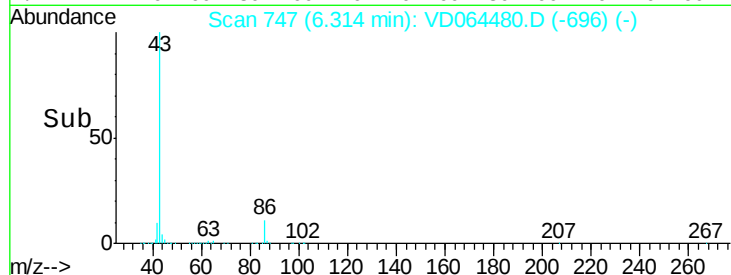


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 55.722 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

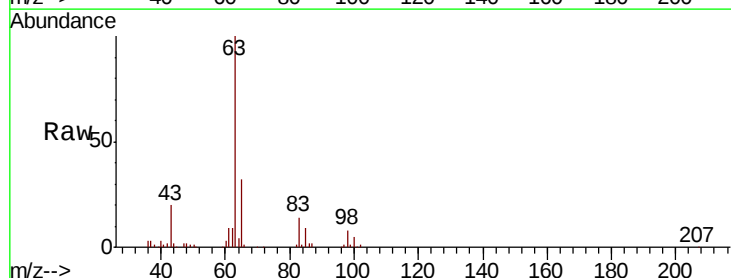
Tgt Ion: 63 Resp: 380314

Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.9

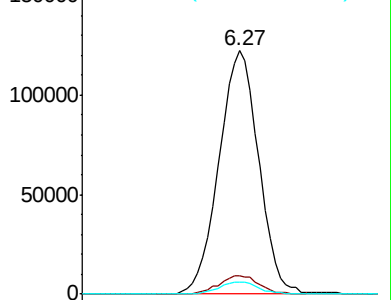
100 5.0 2.9 8.6



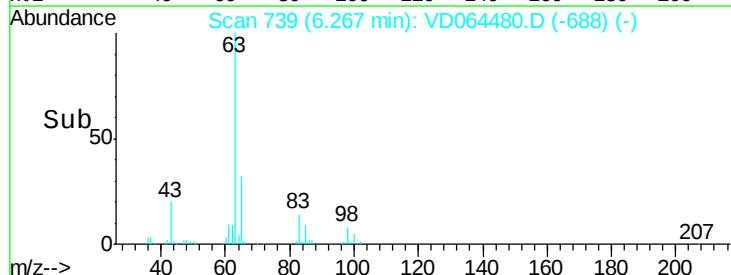
Abundance Ion 62.90 (62.60 to 63.60): VDC

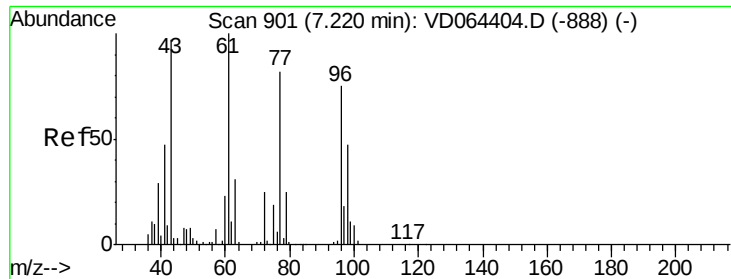
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 267.951 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 283273

Ion Ratio Lower Upper

43 100

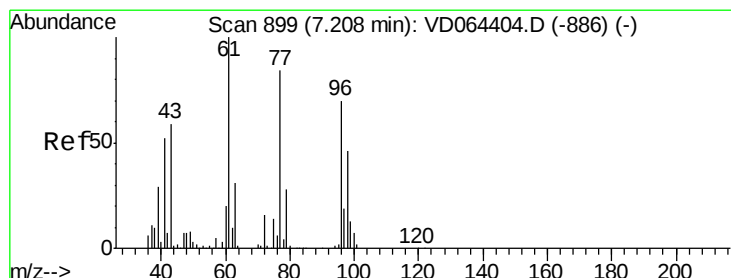
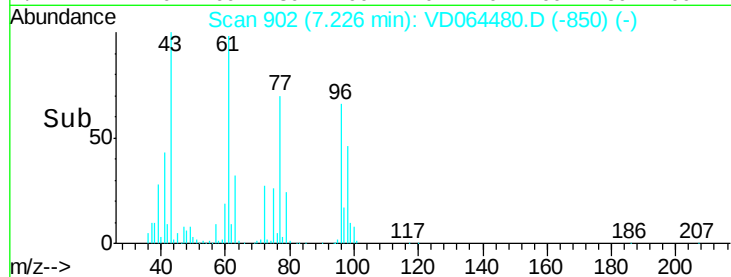
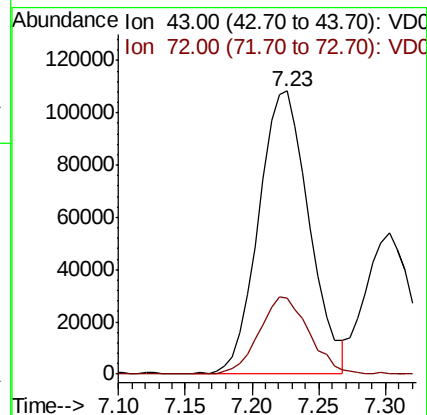
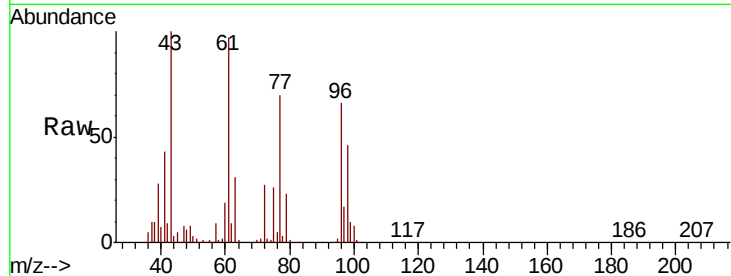
72 26.8 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 54.325 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064480.D

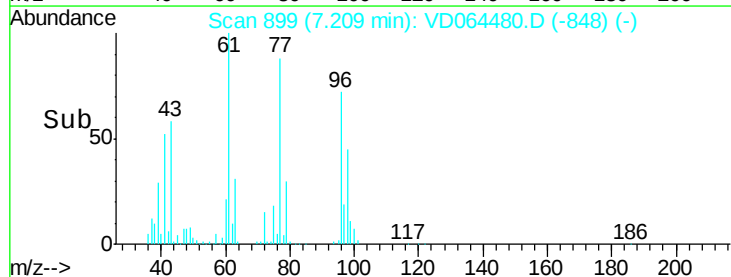
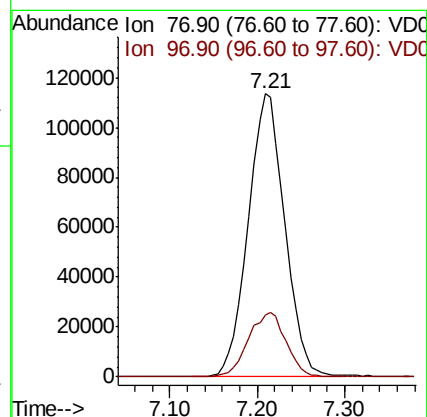
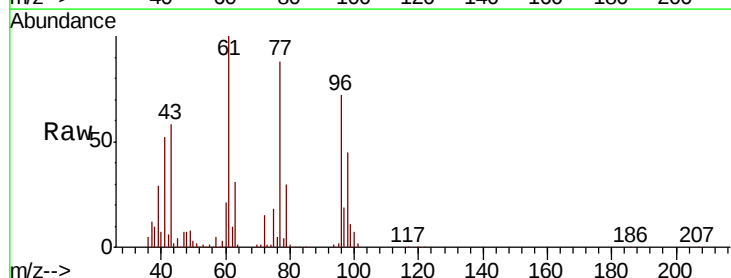
Acq: 09 Dec 2019 19:42

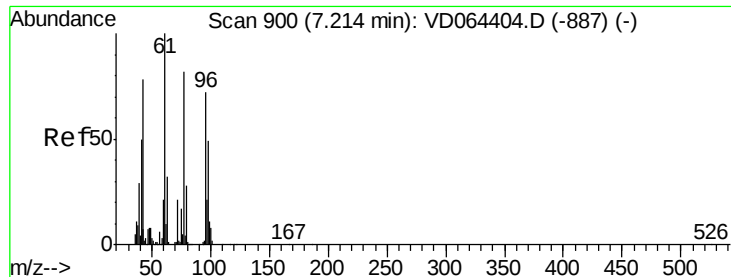
Tgt Ion: 77 Resp: 322450

Ion Ratio Lower Upper

77 100

97 23.5 11.6 34.7





#27

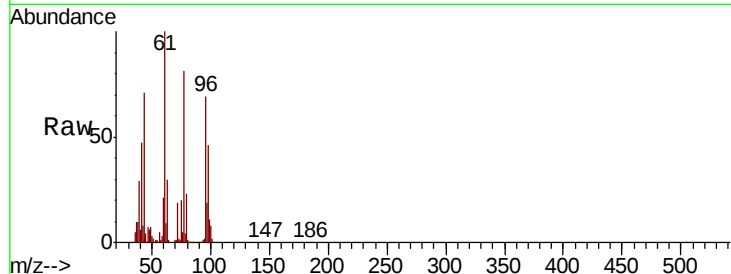
cis-1,2-Dichloroethene
Concen: 55.999 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

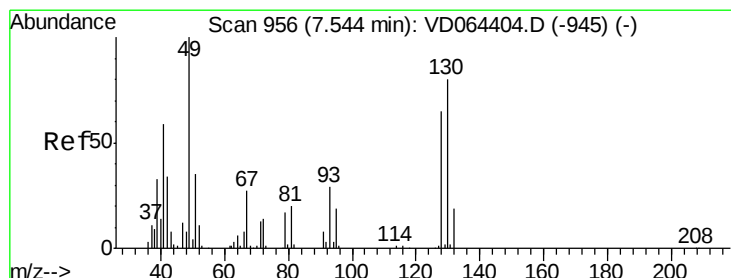
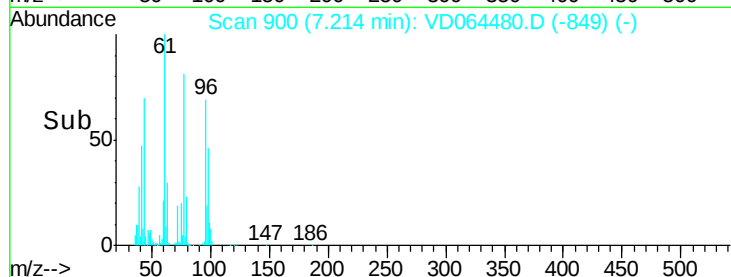
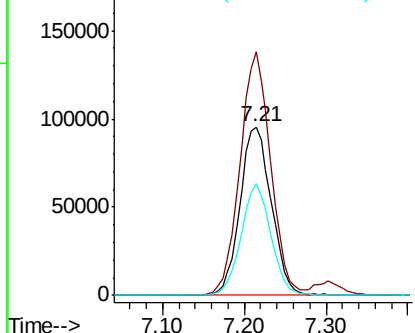
Tot Ion	Ratio	Resp	Lower	Upper
96	100	254396		
61	141.1	0.0	279.6	
98	63.2	0.0	129.2	

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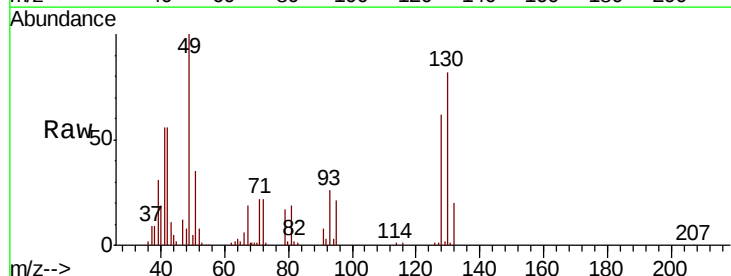
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



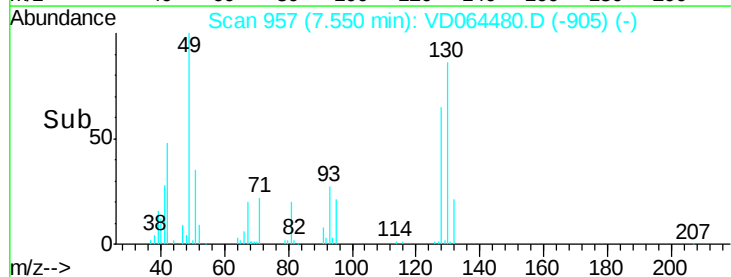
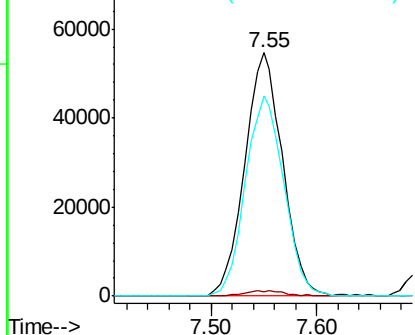
#28

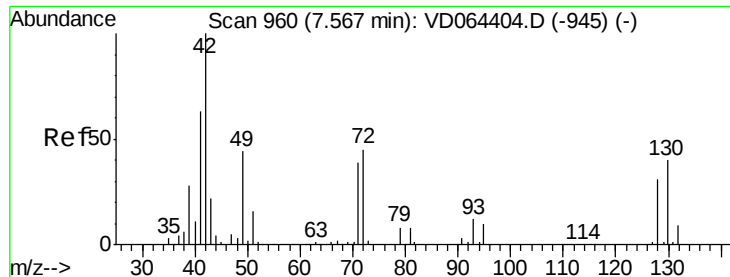
Bromochloromethane
Concen: 58.409 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	136239		
129	2.3	0.0	4.4	
130	83.5	67.4	101.0	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





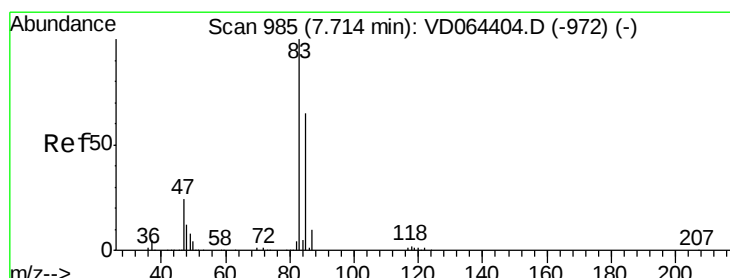
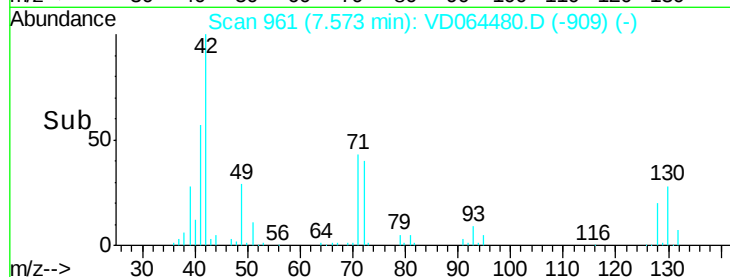
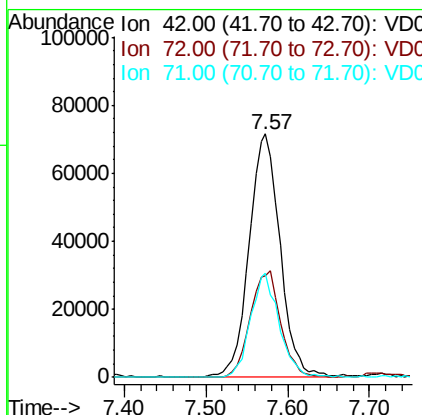
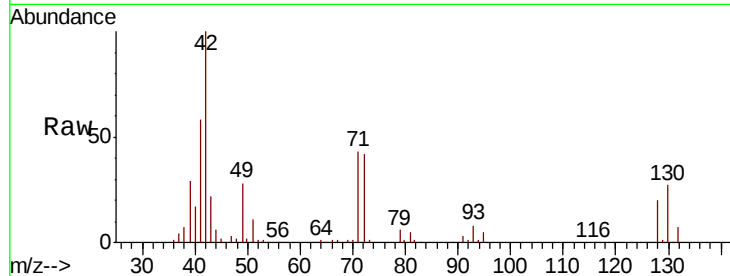
#29
Tetrahydrofuran
Concen: 281.183 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	35.8	53.8
71	39.6	32.7	49.1

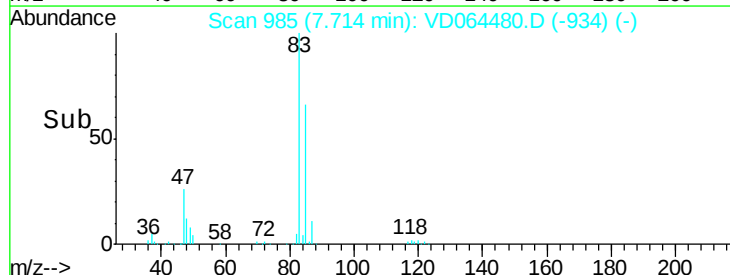
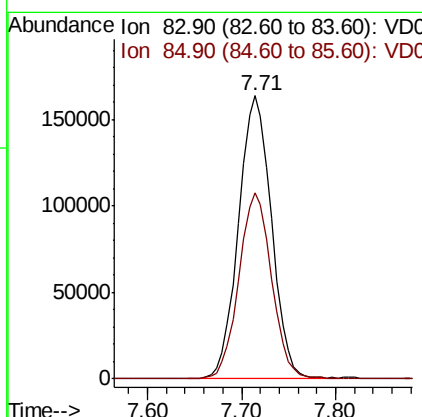
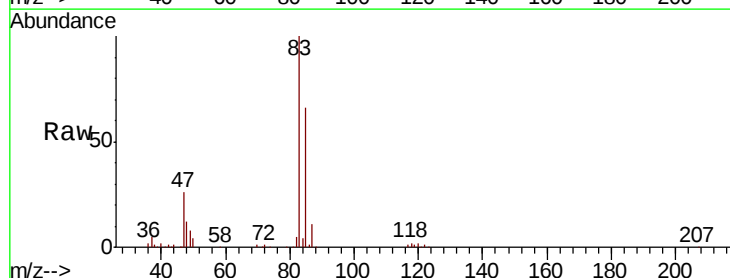
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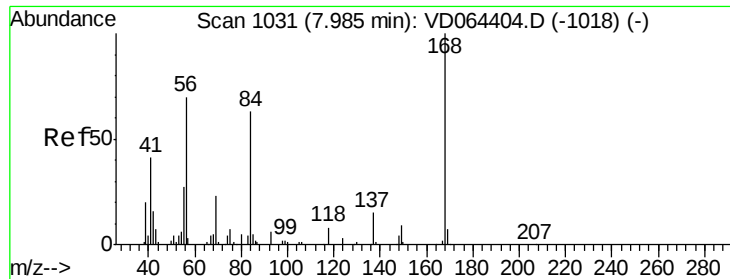
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#30
Chloroform
Concen: 56.398 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.8	77.6





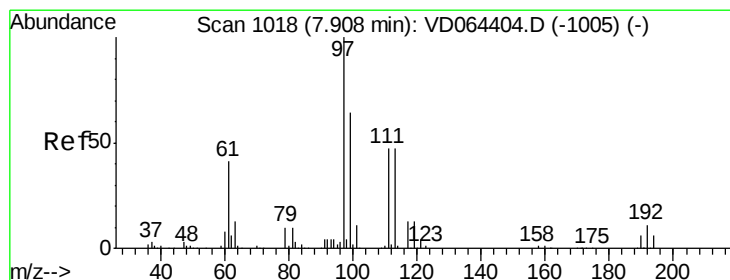
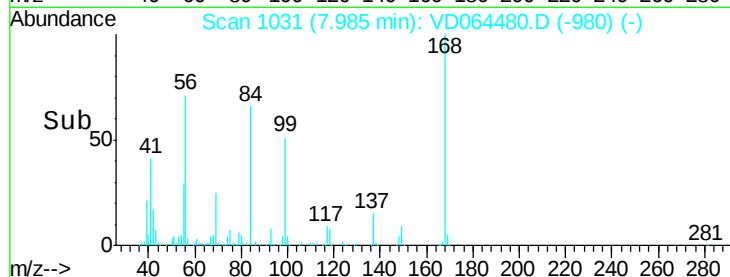
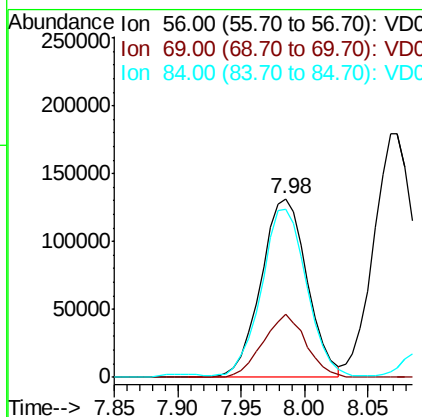
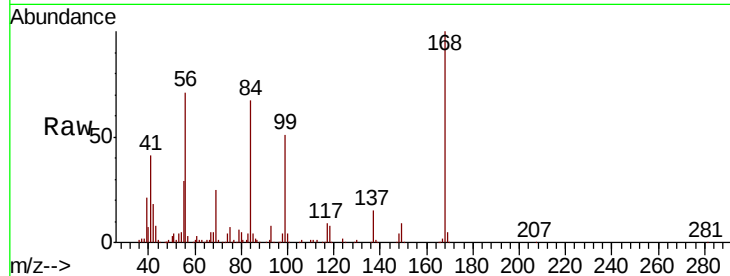
#31
Cyclohexane
Concen: 56.508 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	26.2	39.4
84	93.2	70.3	105.5

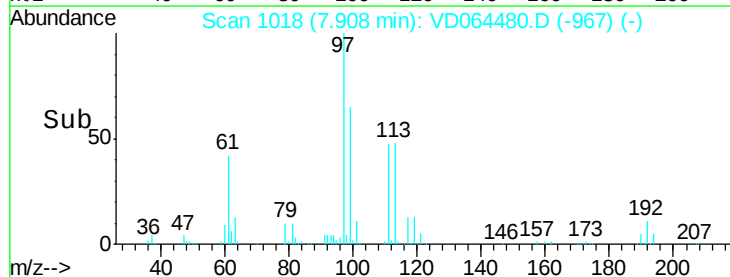
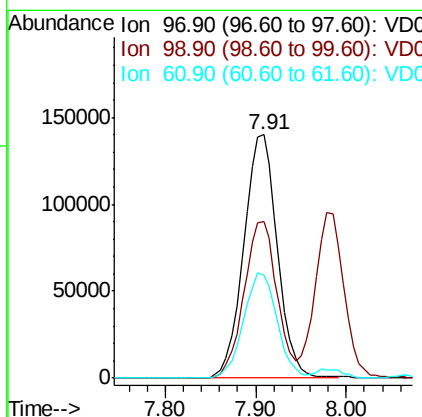
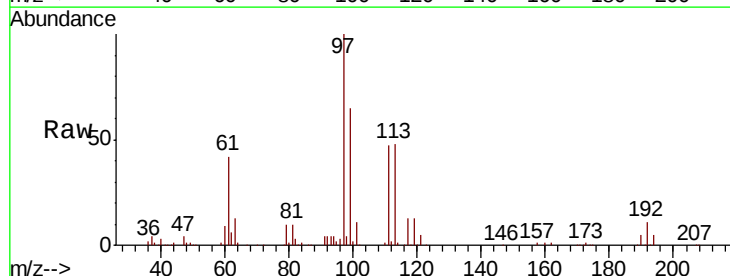
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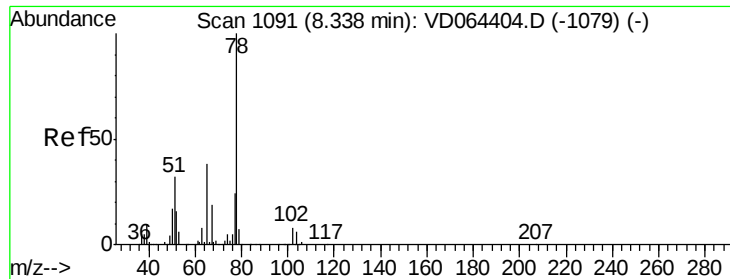
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#32
1,1,1-Trichloroethane
Concen: 54.717 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.2
61	43.4	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 54.618 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 202046

Ion Ratio Lower Upper

65 100

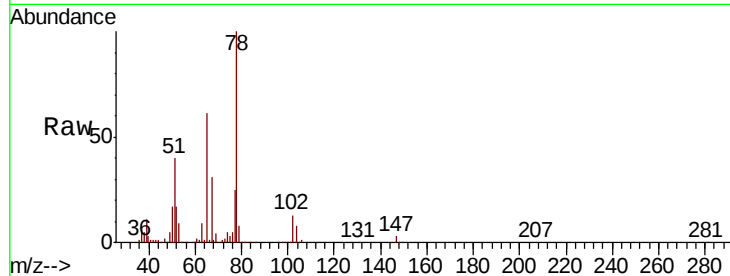
67 52.6 0.0 102.0

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

60000

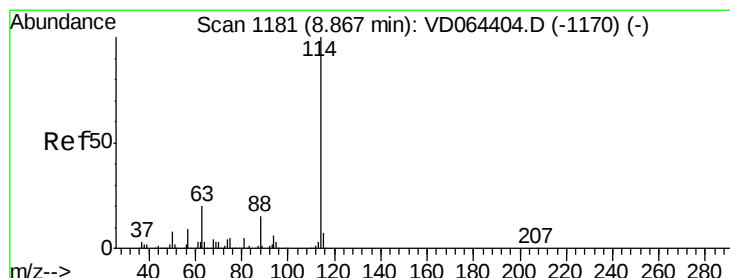
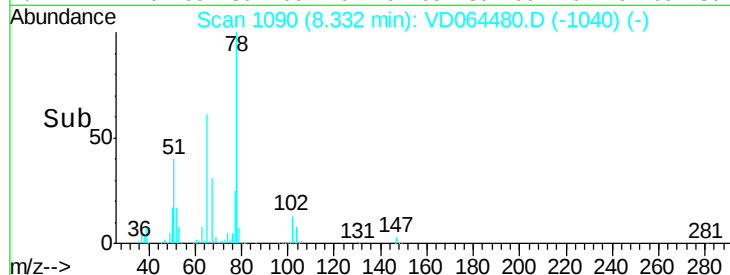
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

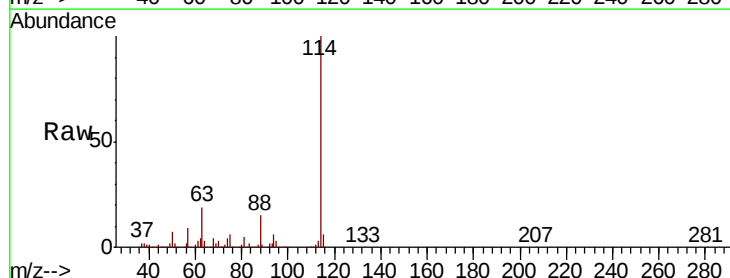
Tgt Ion: 114 Resp: 617592

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 14.8 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

300000

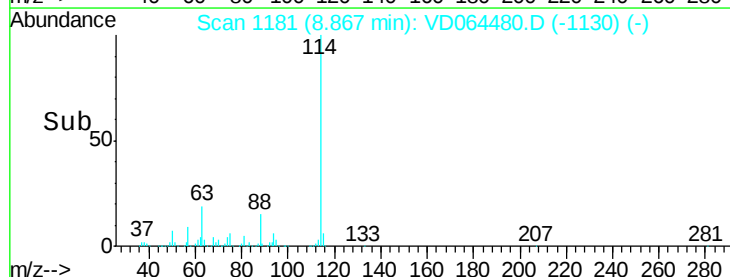
200000

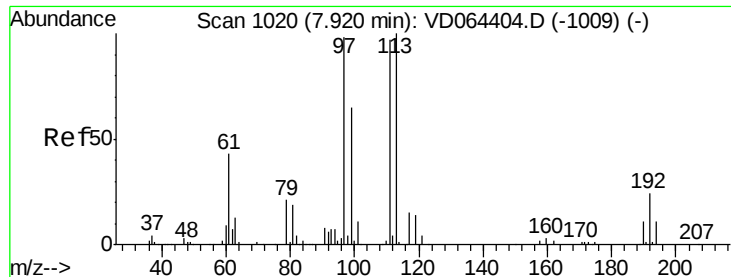
100000

0

8.80 8.90 9.00

Time-->





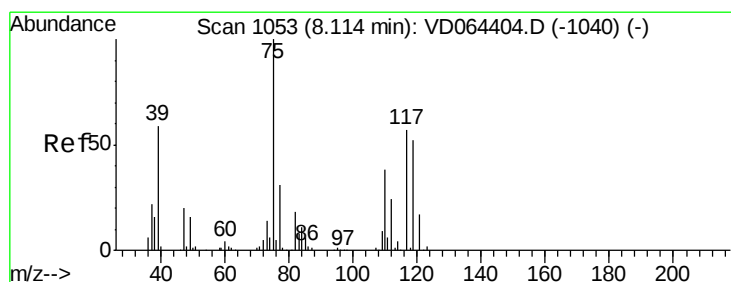
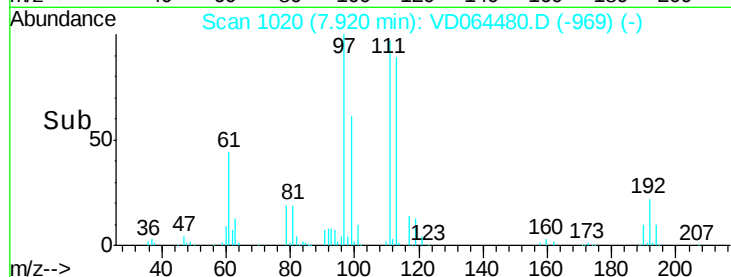
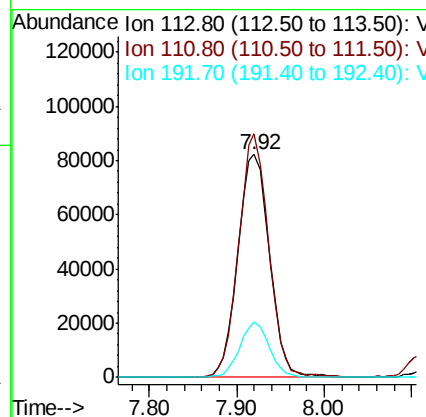
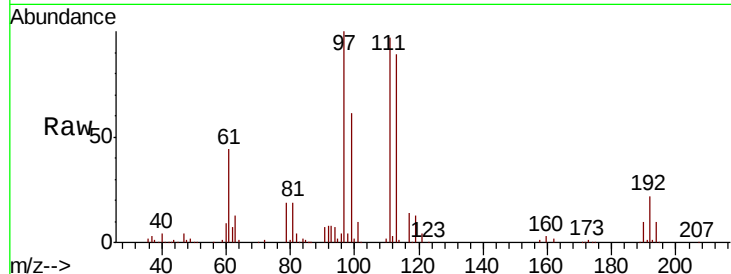
#35
 Dibromofluoromethane
 Concen: 51.869 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	201830		
111	102.8	79.4	119.2	
192	23.1	18.6	28.0	

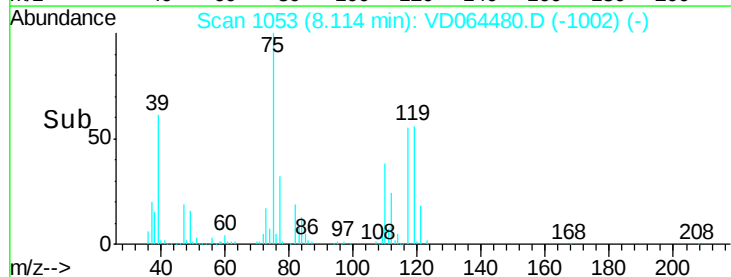
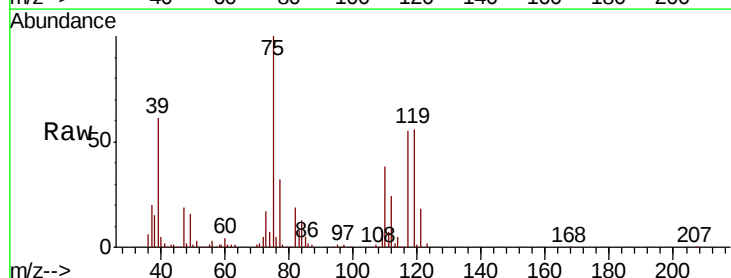
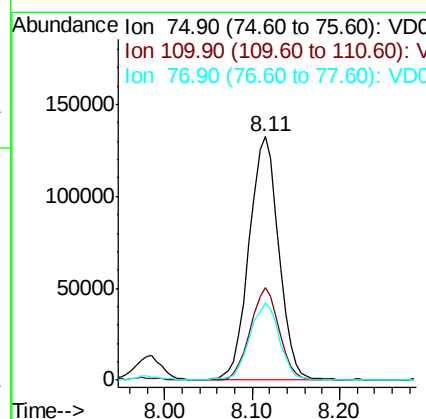
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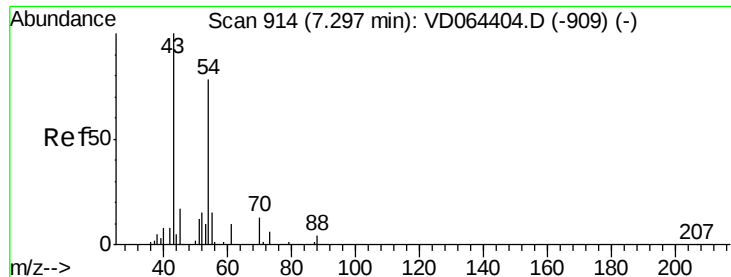
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#36
 1,1-Dichloropropene
 Concen: 51.855 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	302917		
110	37.1	18.6	55.8	
77	31.9	25.0	37.4	





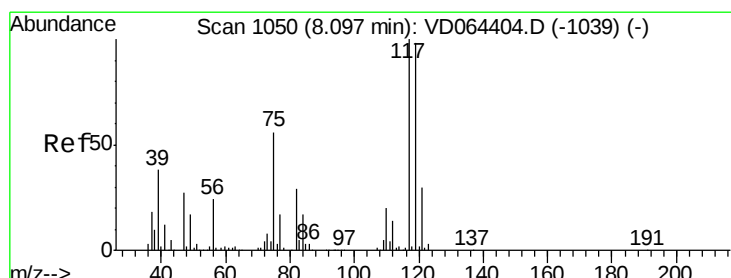
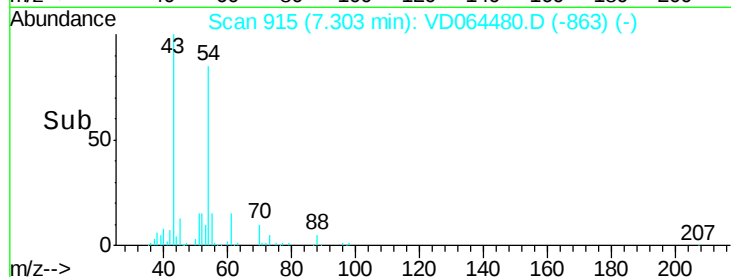
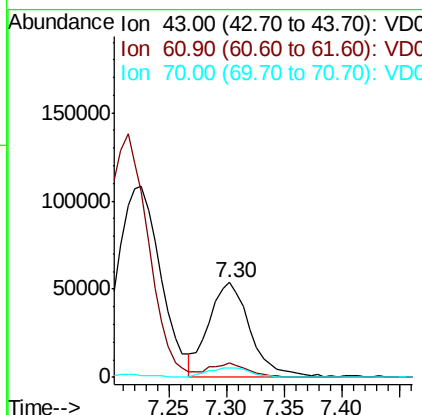
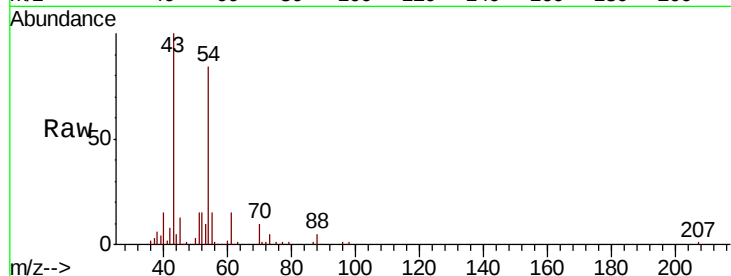
#37
Ethyl Acetate
Concen: 53.045 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.9	16.3
70	10.7	8.3	12.5

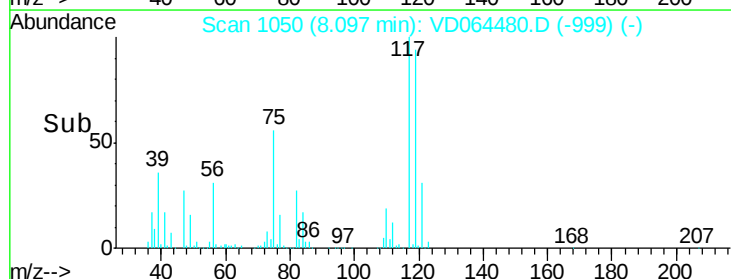
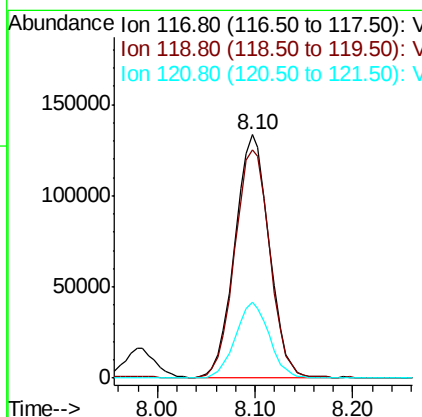
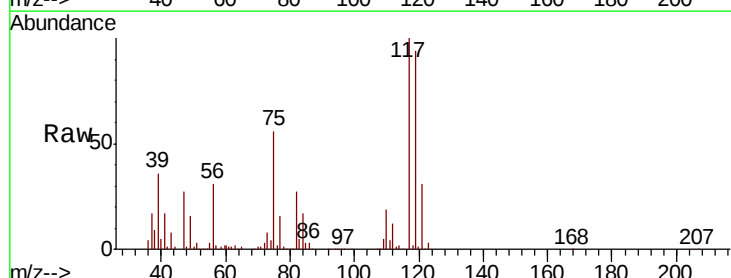
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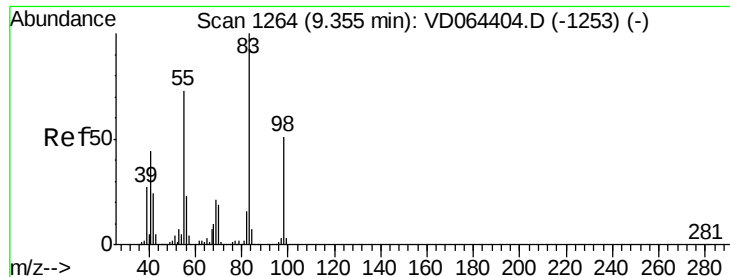
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#38
Carbon Tetrachloride
Concen: 52.883 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	78.8	118.2
121	31.4	24.2	36.2





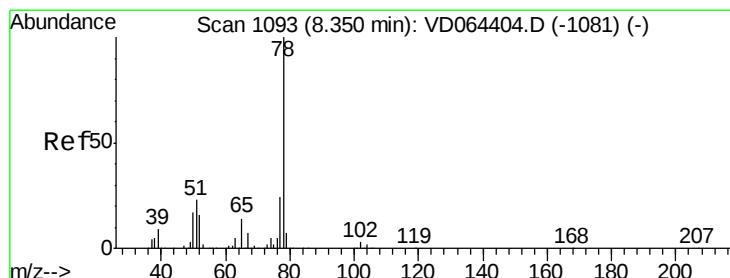
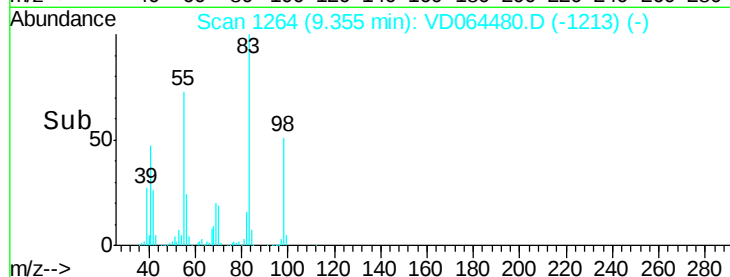
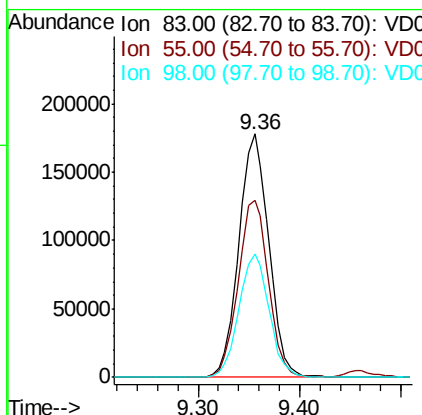
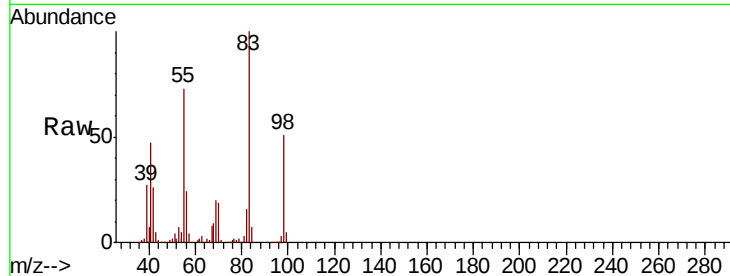
#39
Methvlcvclohexane
Concen: 50.300 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.7	58.6	87.8
98	50.9	40.9	61.3

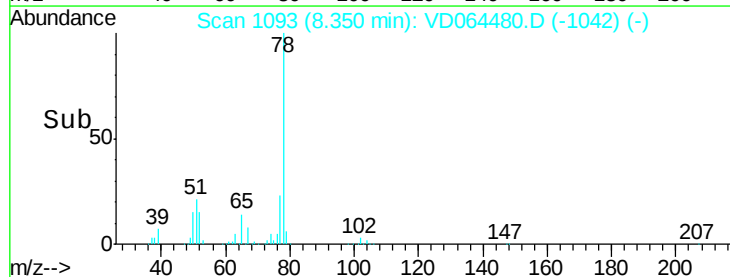
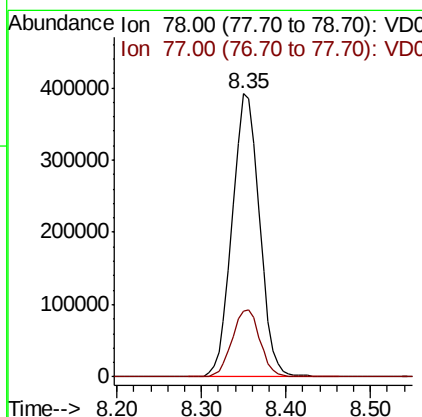
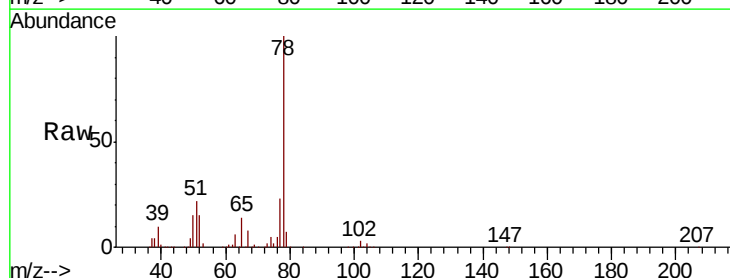
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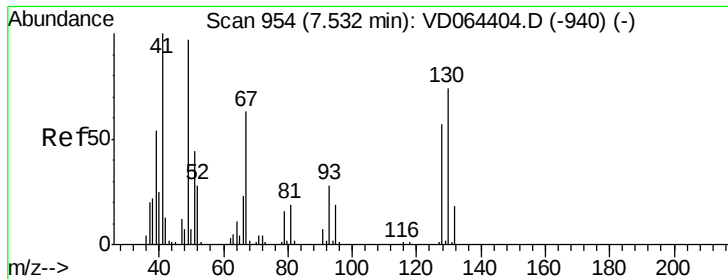
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#40
Benzene
Concen: 53.838 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.6	29.4





#41

Methacrylonitrile

Concen: 50.975 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 72460

Ion Ratio Lower Upper

41 100

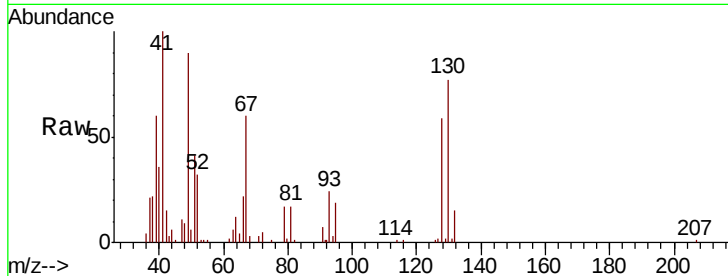
39 67.1 44.6 67.0#

67 77.0 50.9 76.3#

52 34.9 22.5 33.7#

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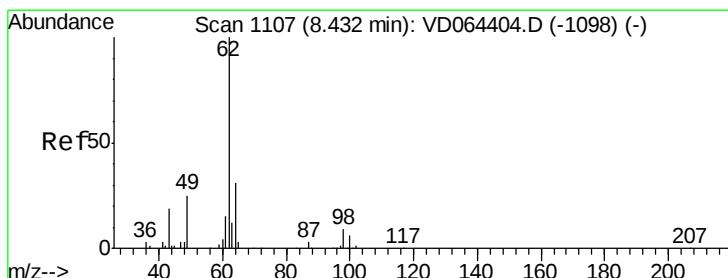
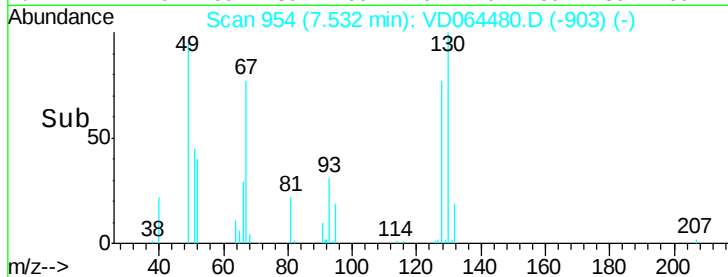
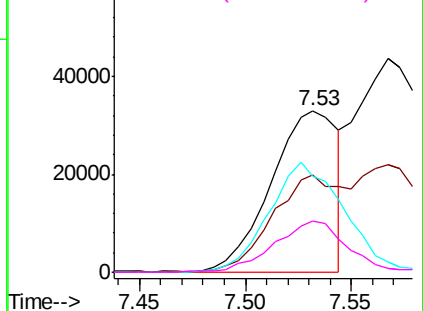


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.678 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064480.D

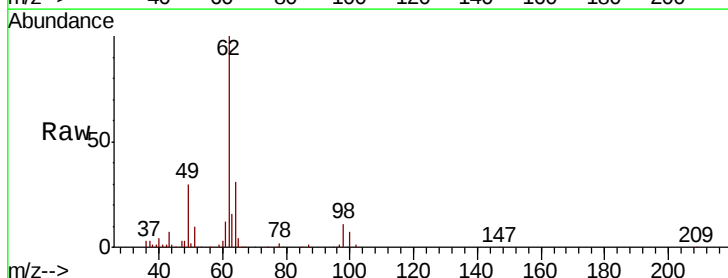
Acq: 09 Dec 2019 19:42

Tgt Ion: 62 Resp: 253978

Ion Ratio Lower Upper

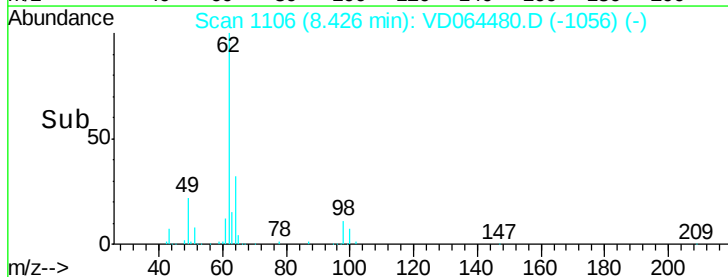
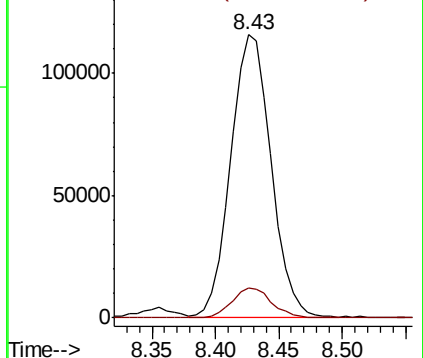
62 100

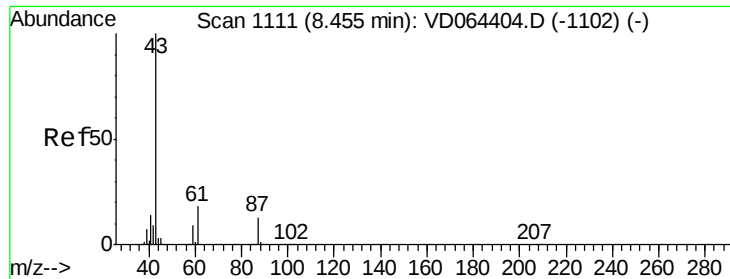
98 10.4 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





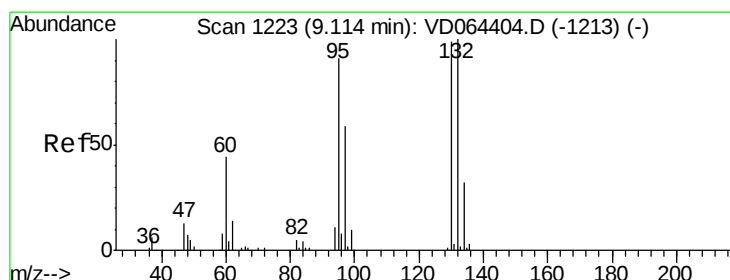
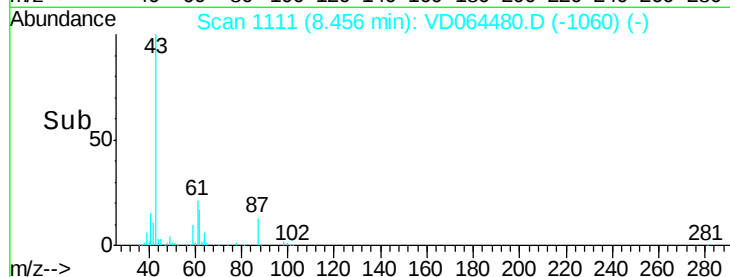
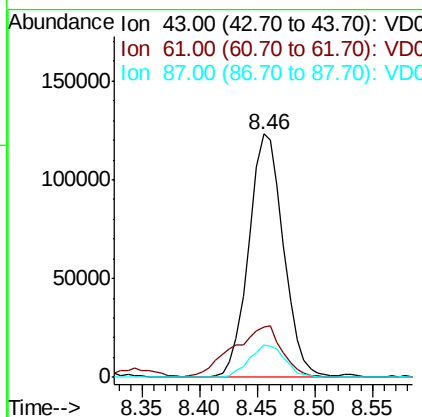
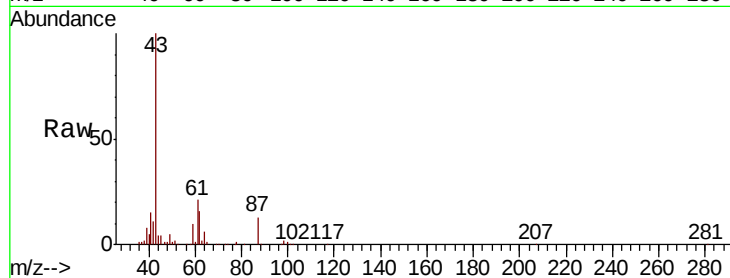
#43
Isopropyl Acetate
Concen: 52.926 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	24.0	36.0
87	13.8	10.6	15.8

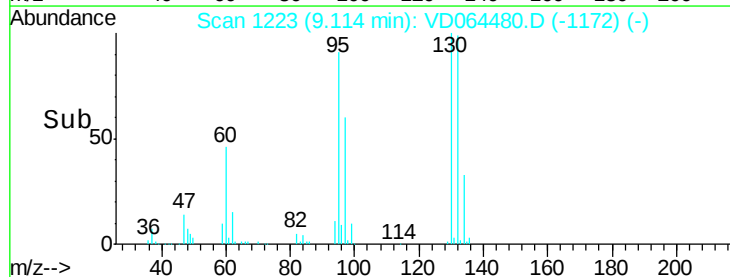
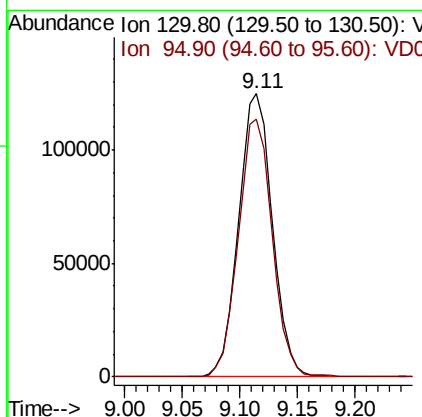
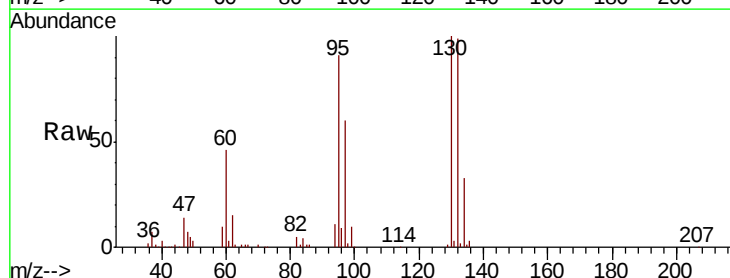
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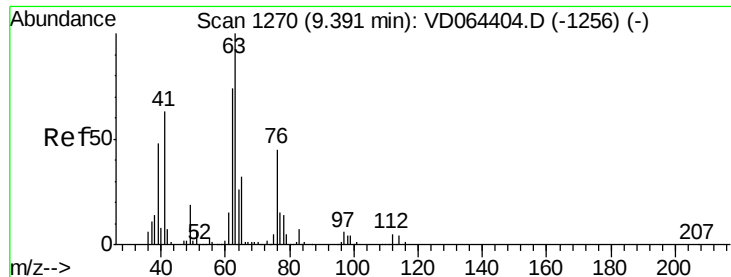
apatel
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#44
Trichloroethene
Concen: 51.961 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	184.6





#45

1,2-Dichloropropane

Concen: 55.424 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 215058

Ion Ratio Lower Upper

63 100

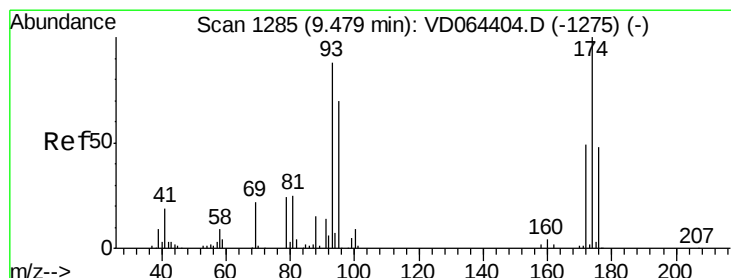
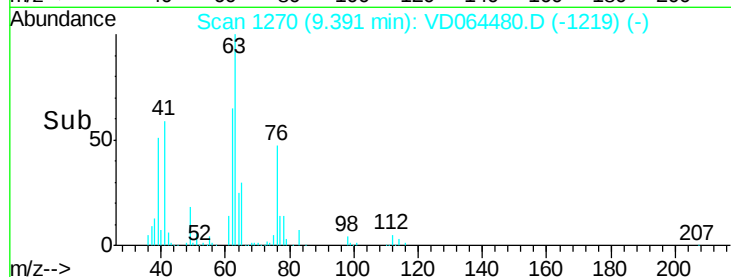
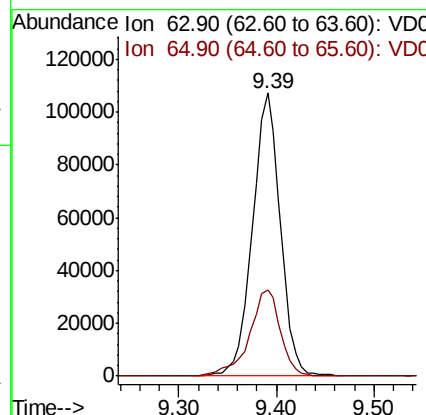
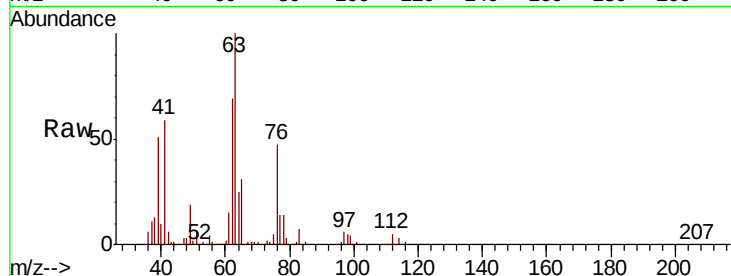
65 30.4 25.4 38.0

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#46

Dibromomethane

Concen: 54.663 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

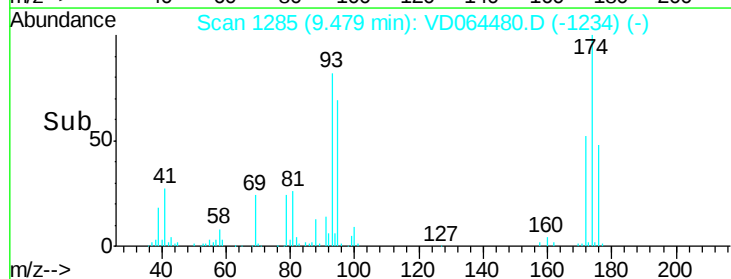
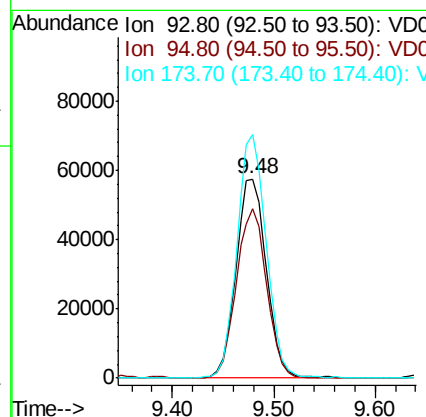
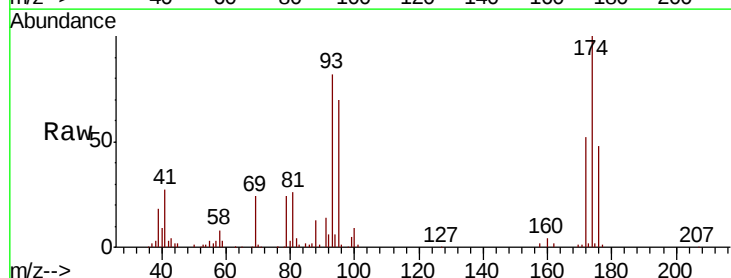
Tgt Ion: 93 Resp: 119712

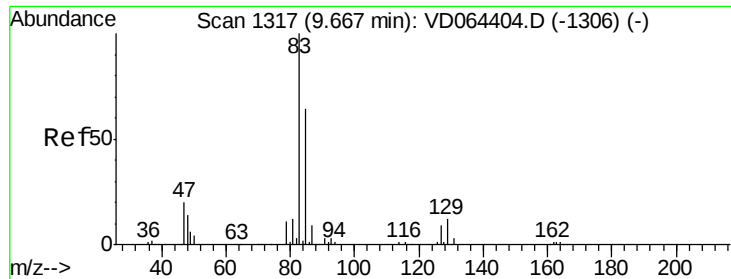
Ion Ratio Lower Upper

93 100

95 84.6 66.7 100.1

174 117.5 92.3 138.5





#47

Bromodichloromethane

Concen: 55.157 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

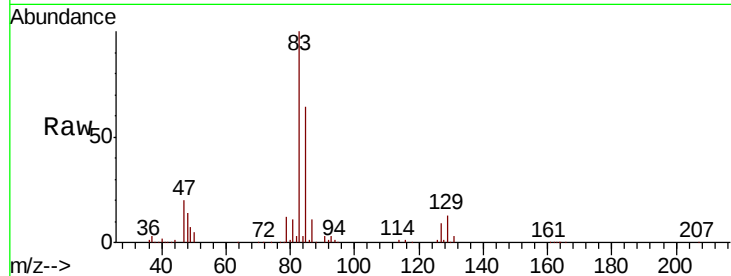
ClientSampleId :

VSTDCCC050EC

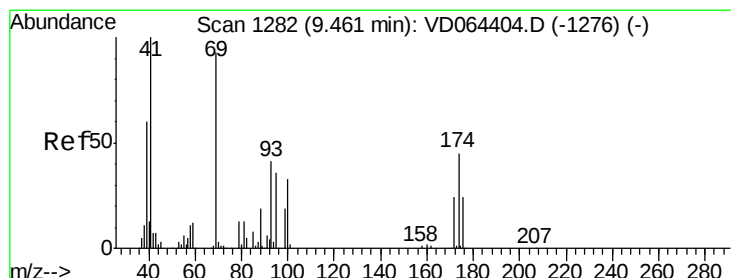
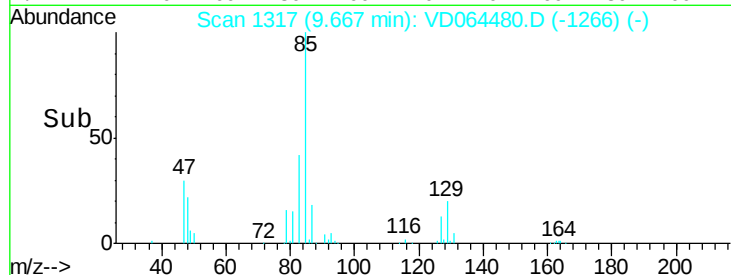
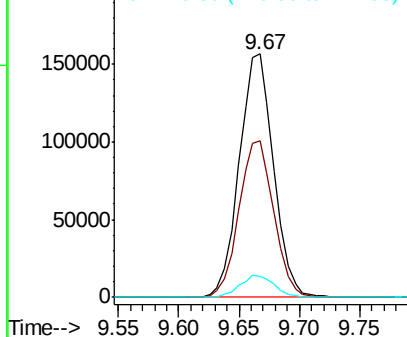
Tot Ion:	83	Resp:	310377
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	8.6	7.4	11.0

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 54.074 ug/l

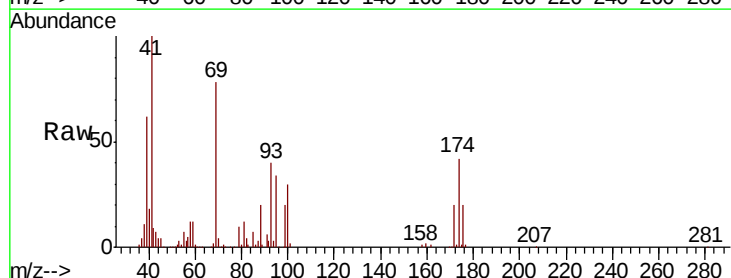
RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

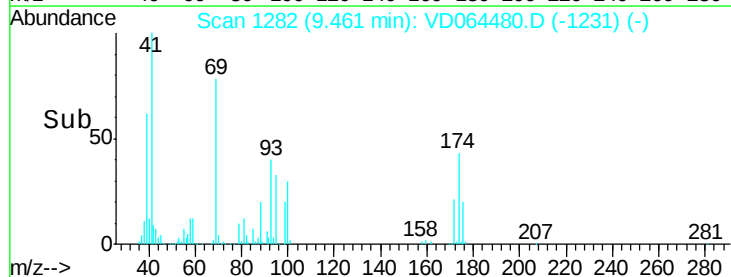
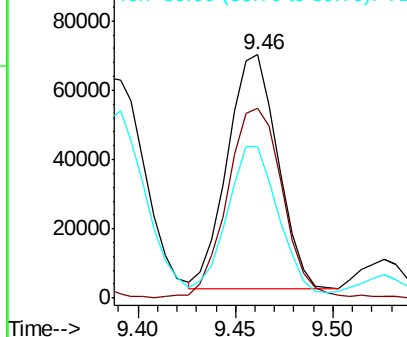
Lab File: VD064480.D

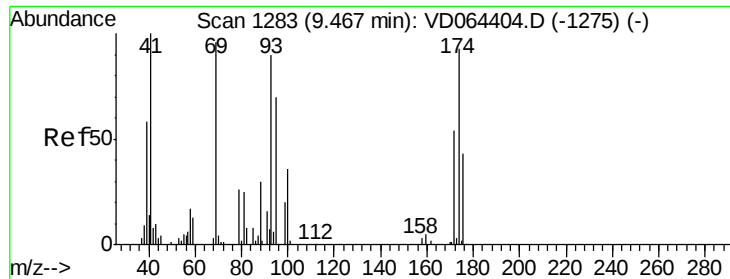
Acq: 09 Dec 2019 19:42

Tgt Ion:	41	Resp:	120591
Ion	Ratio	Lower	Upper
41	100		
69	88.3	72.0	108.0
39	67.2	55.2	82.8



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





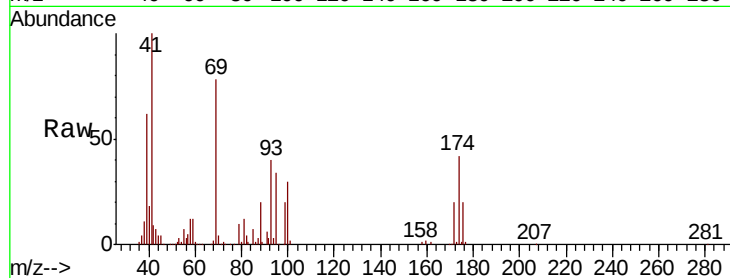
#49
1,4-Dioxane
Concen: 1082.123 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

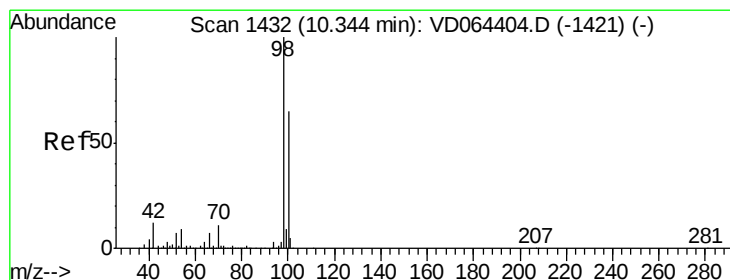
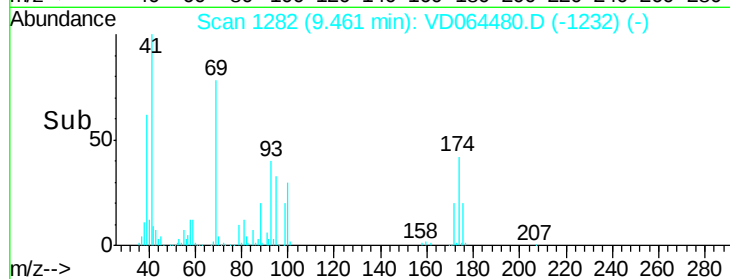
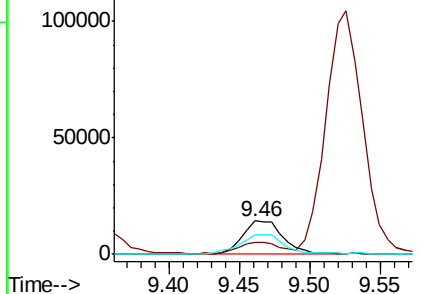
Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	26.7	40.1
58	64.3	52.3	78.5

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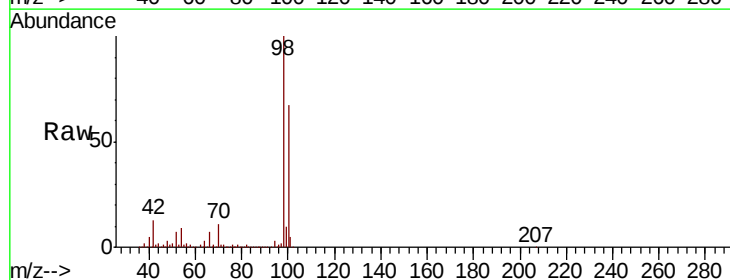


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

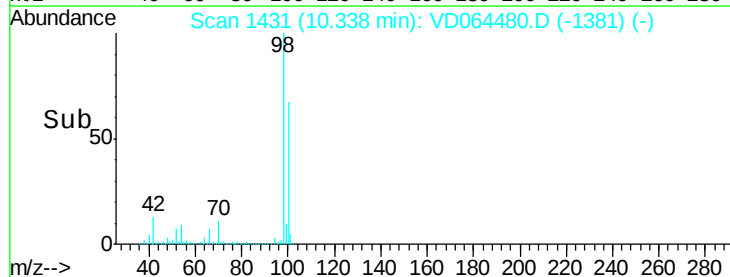
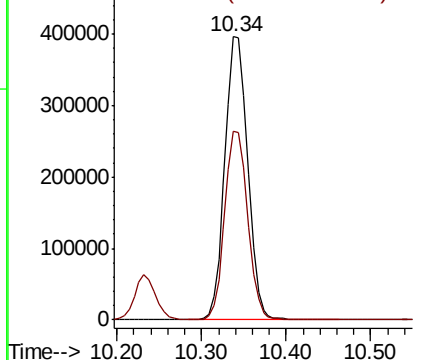


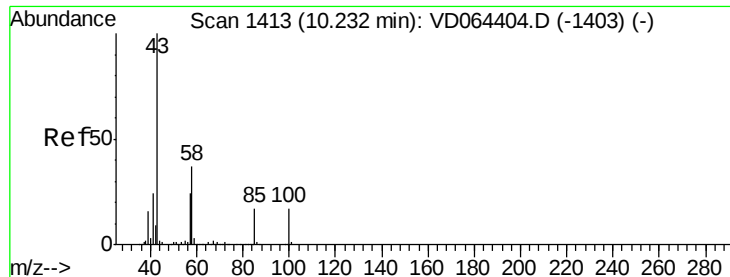
#50
Toluene-d8
Concen: 50.609 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.6	79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 267.506 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 645067

Ion Ratio Lower Upper

43 100

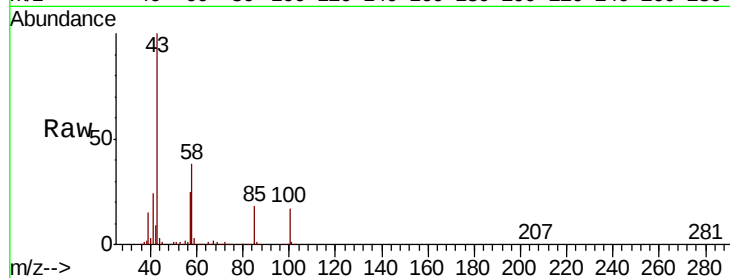
58 38.1 30.6 46.0

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

400000

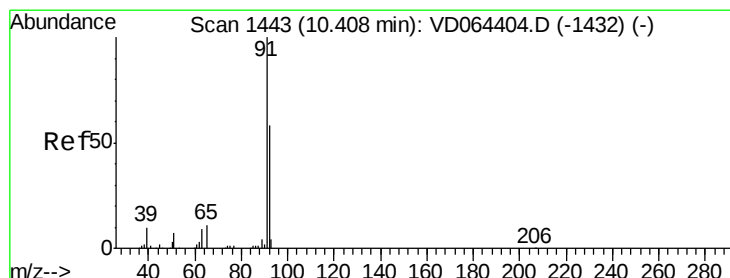
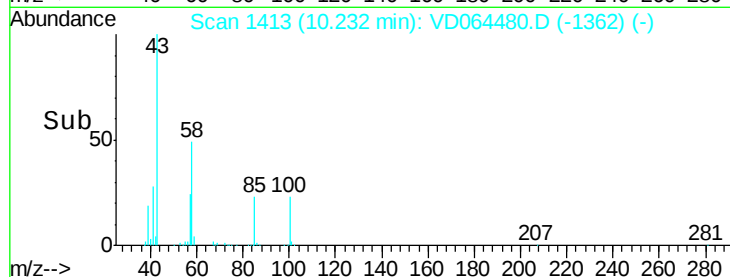
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.138 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064480.D

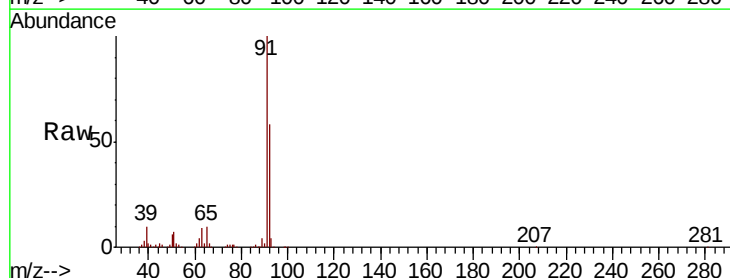
Acq: 09 Dec 2019 19:42

Tgt Ion: 92 Resp: 561857

Ion Ratio Lower Upper

92 100

91 174.1 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

600000

500000

400000

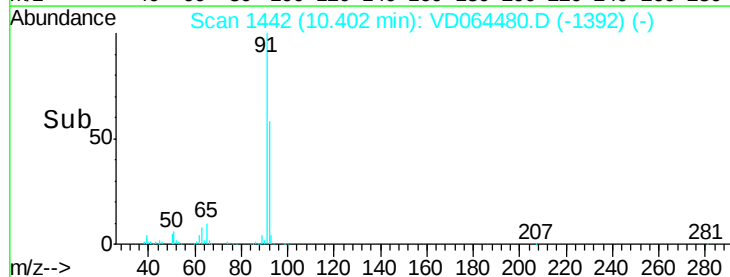
300000

200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 55.122 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 295612

Ion Ratio Lower Upper

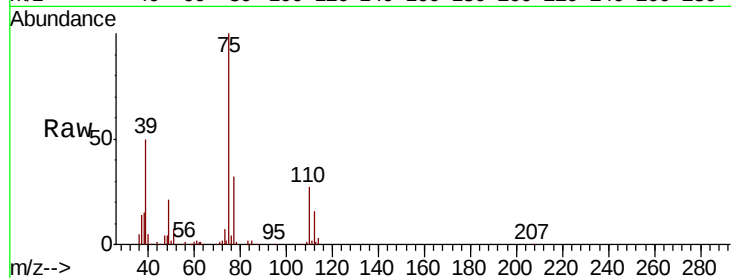
75 100

77 31.7 25.0 37.4

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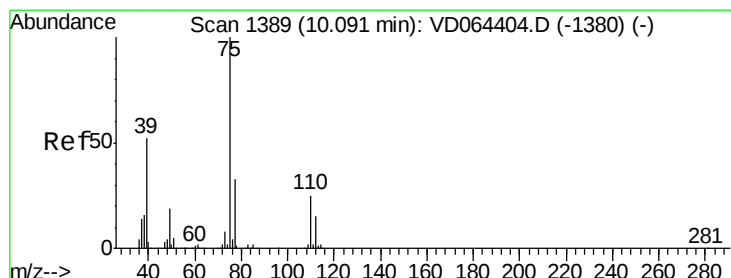
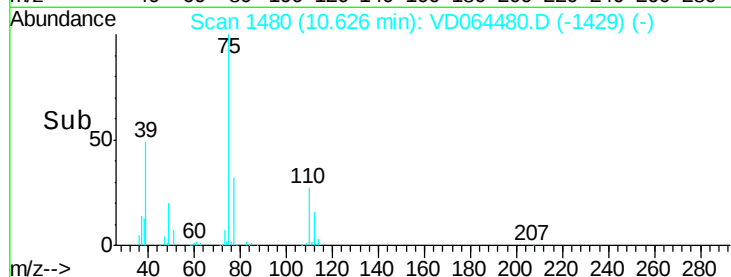
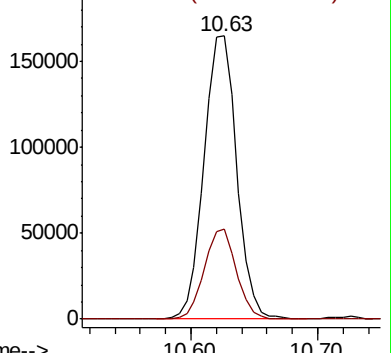
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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 55.160 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

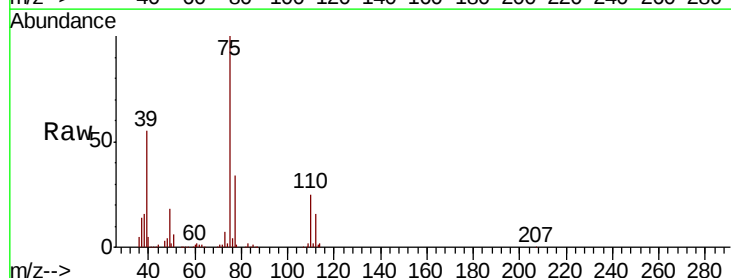
Tgt Ion: 75 Resp: 351418

Ion Ratio Lower Upper

75 100

77 33.9 26.1 39.1

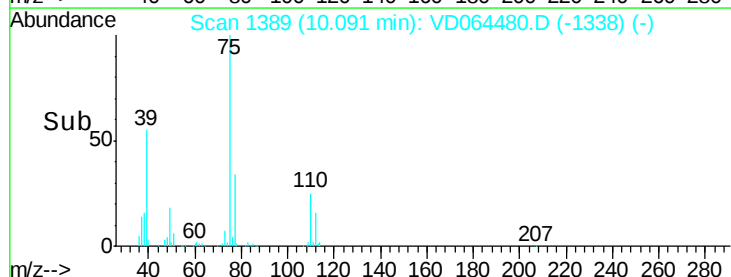
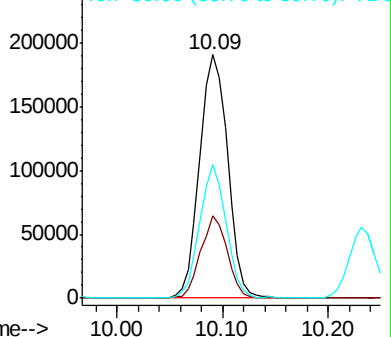
39 54.8 41.5 62.3

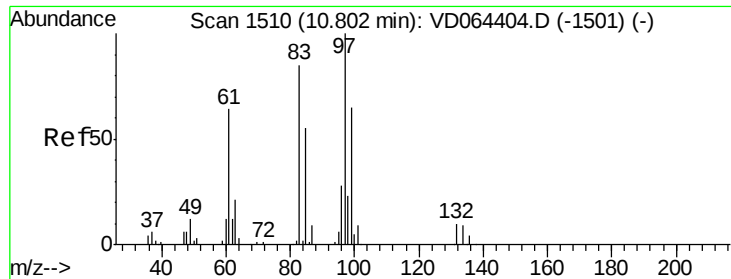


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 54.135 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 162335

Ion Ratio Lower Upper

97 100

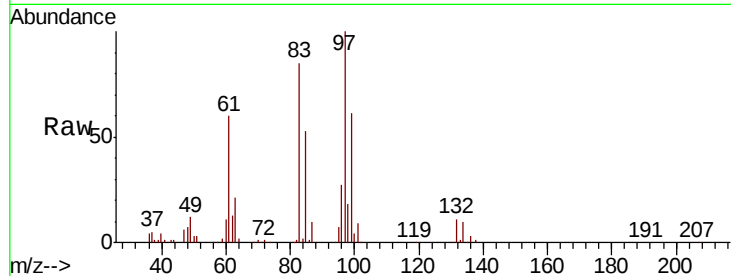
83 85.4 67.8 101.8

85 53.2 43.7 65.5

99 61.4 51.7 77.5

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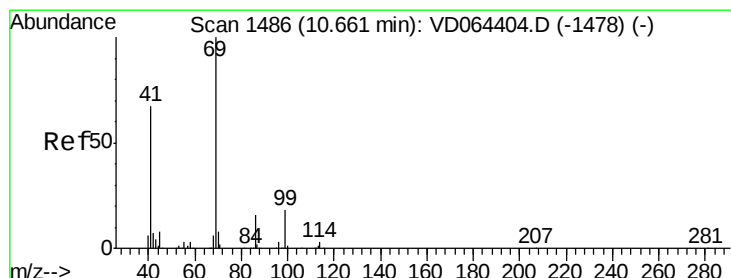
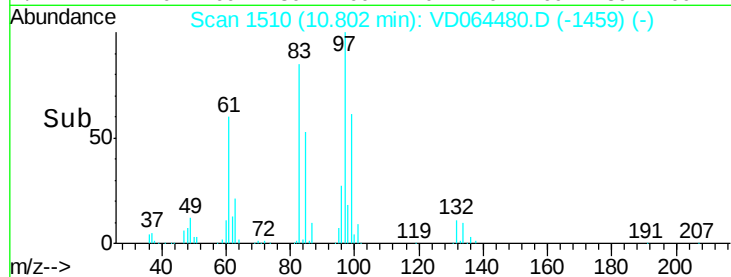
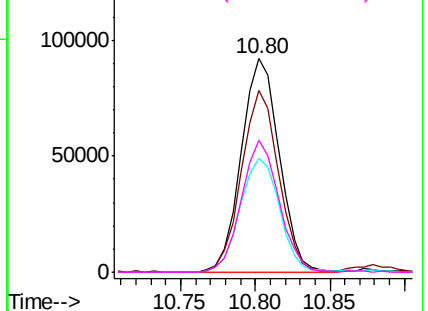


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 54.705 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

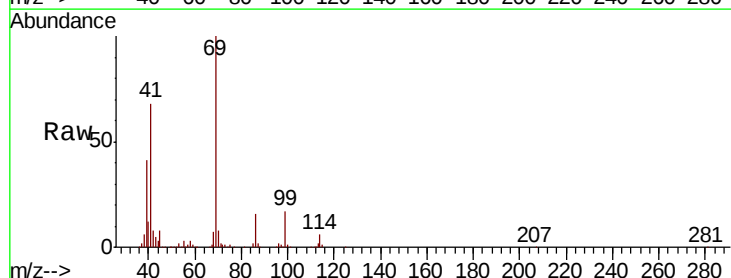
Tgt Ion: 69 Resp: 209228

Ion Ratio Lower Upper

69 100

41 68.4 55.0 82.4

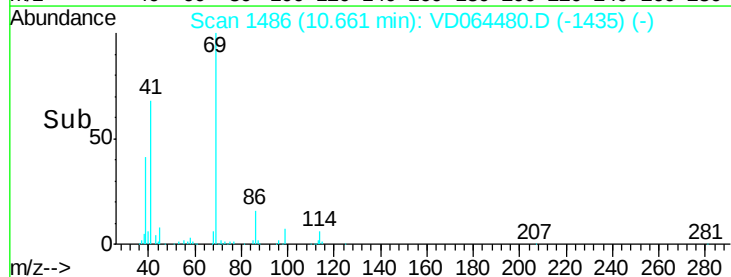
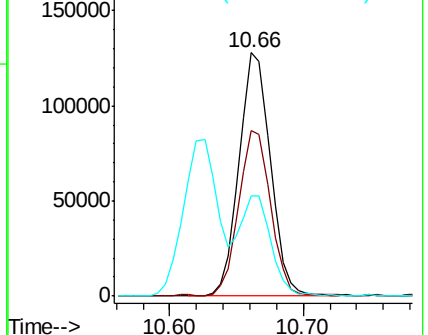
39 41.6 33.0 49.6

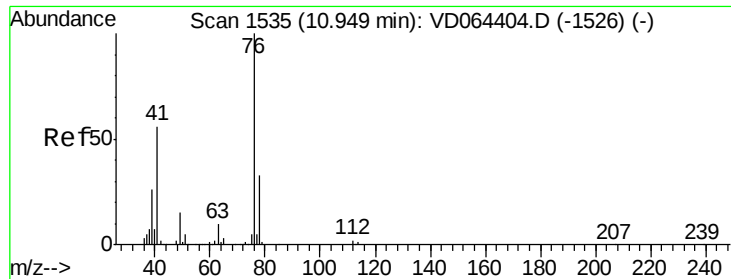


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 54.861 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 280045

Ion Ratio Lower Upper

76 100

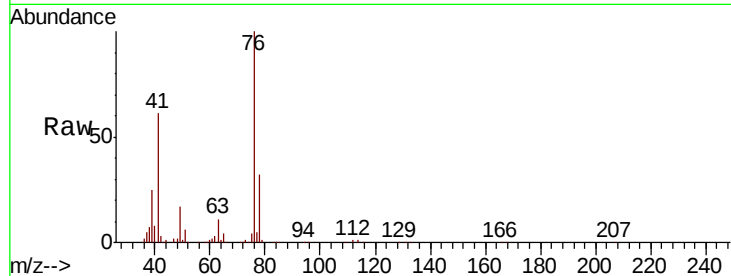
78 32.4 26.0 39.0

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

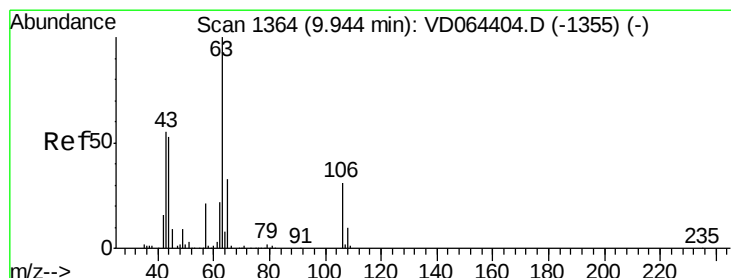
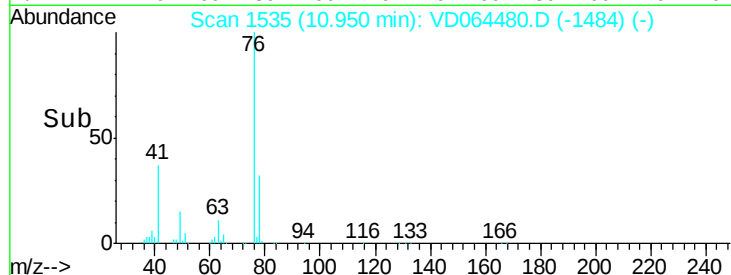
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 249.931 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064480.D

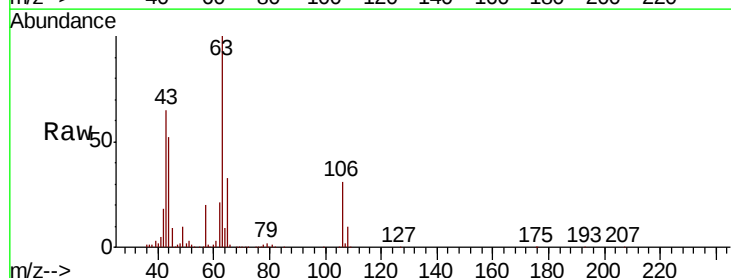
Acq: 09 Dec 2019 19:42

Tgt Ion: 63 Resp: 381062

Ion Ratio Lower Upper

63 100

106 31.1 24.2 36.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

250000

200000

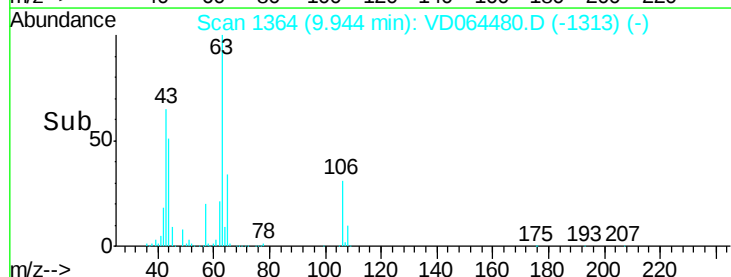
150000

100000

50000

0

Time-->





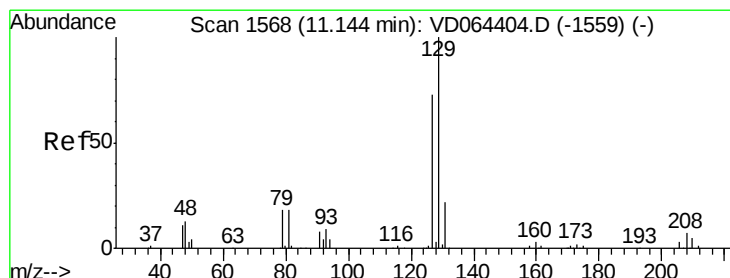
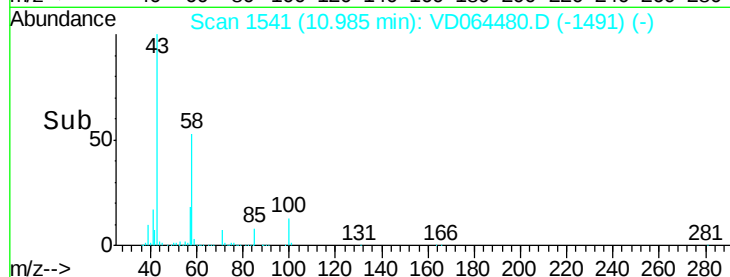
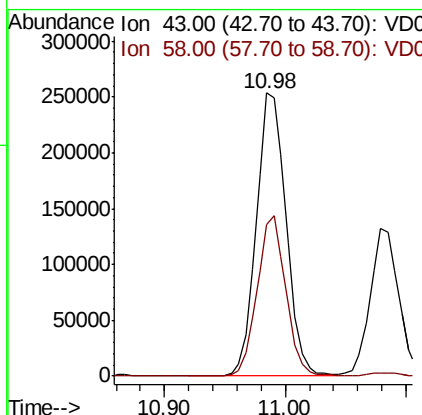
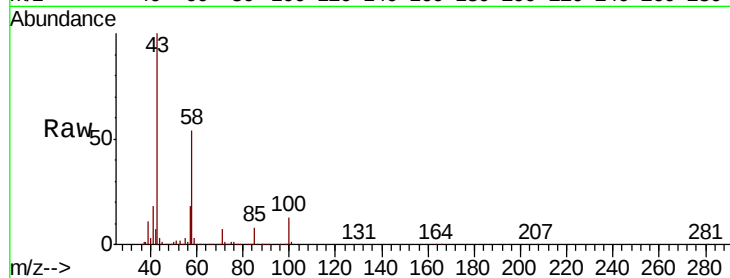
#59
2-Hexanone
Concen: 261.853 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	26.3	78.8

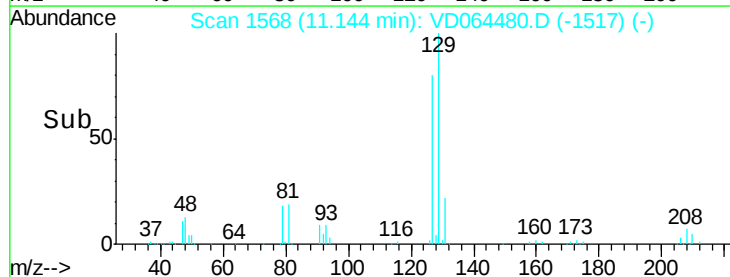
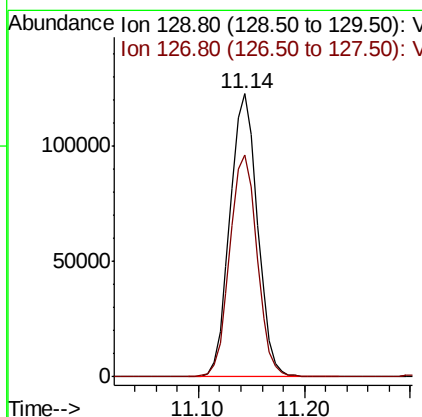
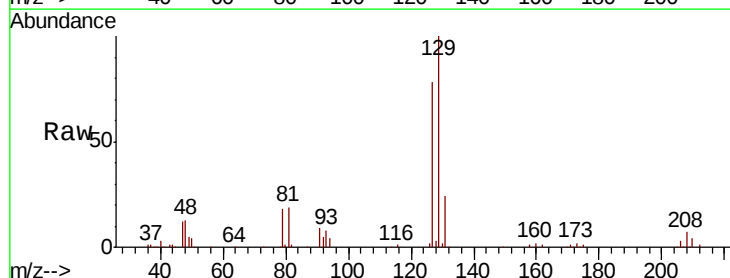
Manual Integrations
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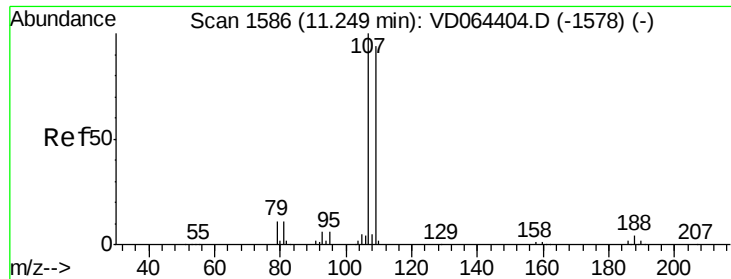
apatel
12/10/2019 4:06:55 PM



#60
Dibromochloromethane
Concen: 54.471 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.1	114.3





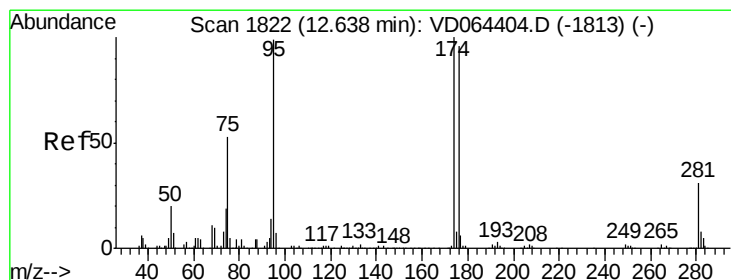
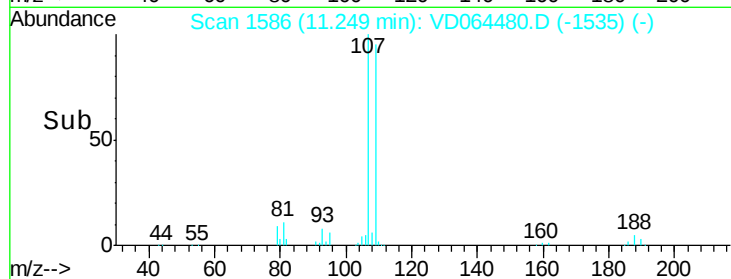
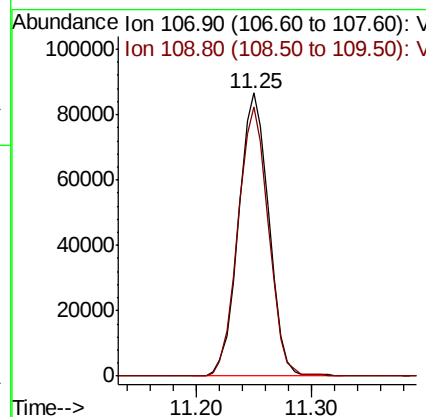
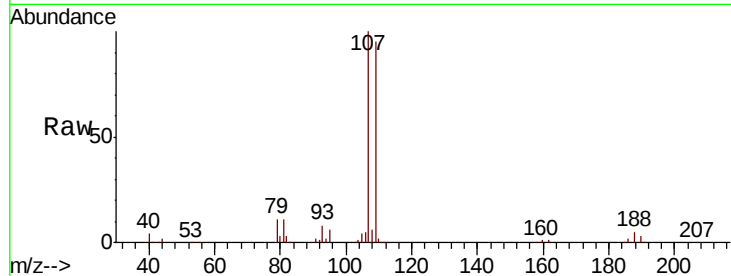
#61
 1,2-Dibromoethane
 Concen: 52.293 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	76.2	114.2

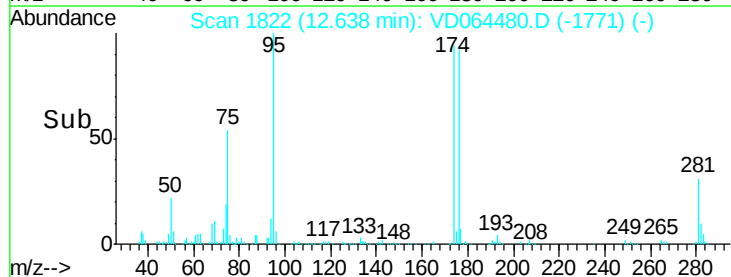
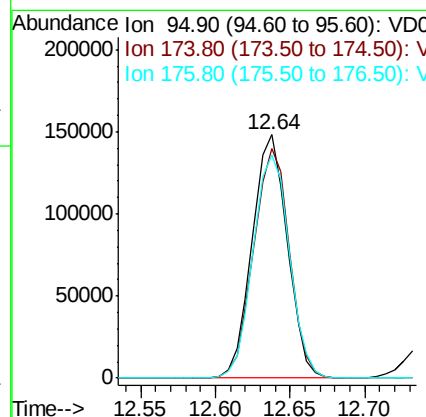
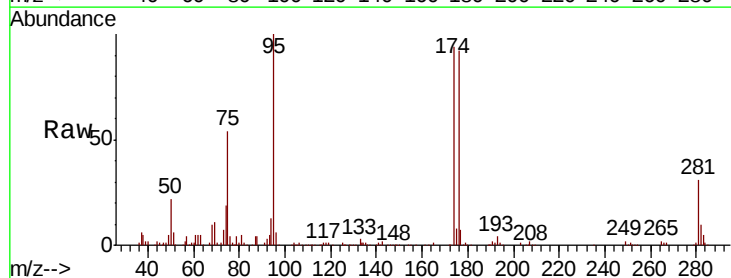
Manual Integrations
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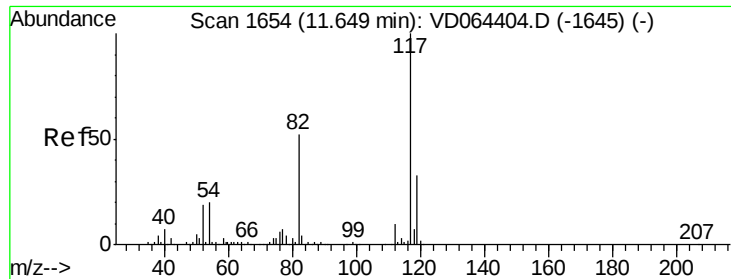
apatel
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#62
 4-Bromofluorobenzene
 Concen: 51.332 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.6	0.0	197.2
176	94.5	0.0	189.6





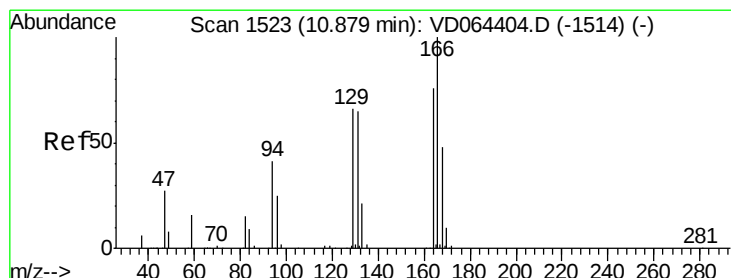
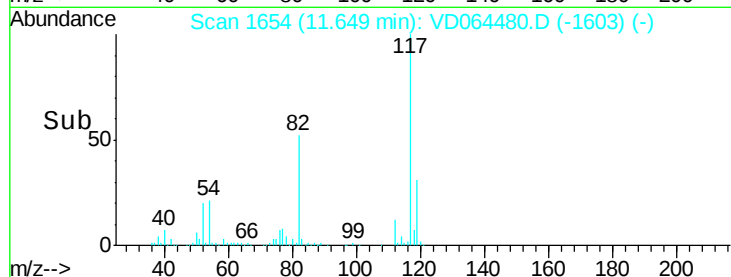
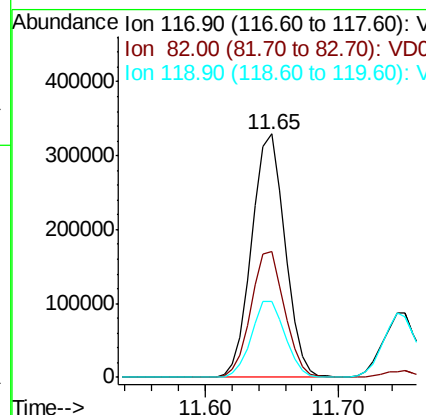
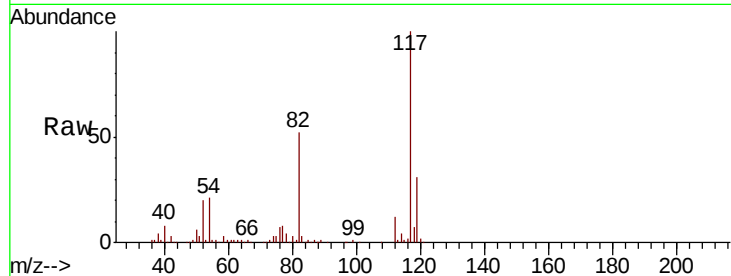
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	568138		
82	51.7		41.4	62.2
119	31.3		26.2	39.2

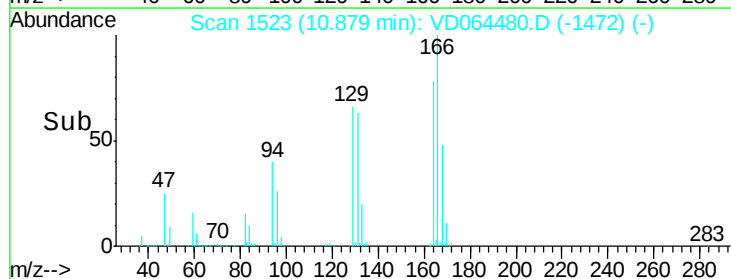
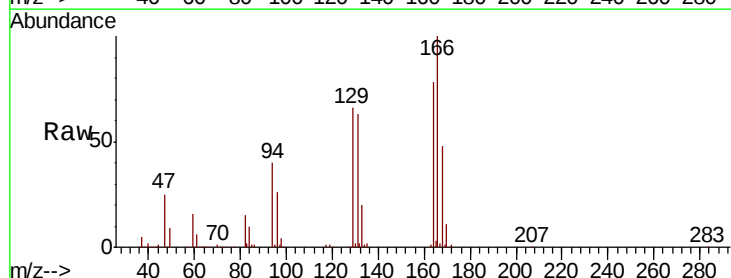
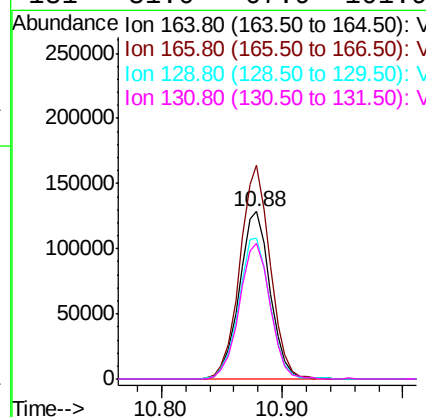
Manual Integrations
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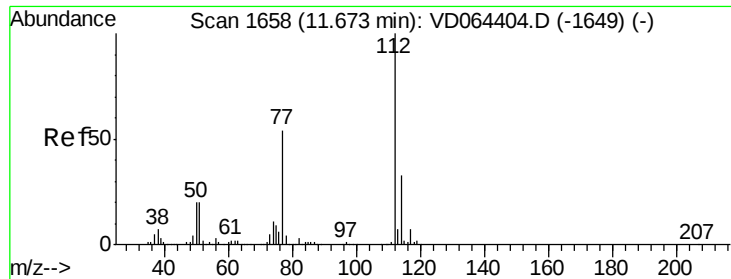
apatel
12/10/2019 4:06:55 PM



#64
Tetrachloroethene
Concen: 52.660 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	228149		
166	127.6		104.8	157.2
129	83.9		68.7	103.1
131	81.0		67.9	101.9





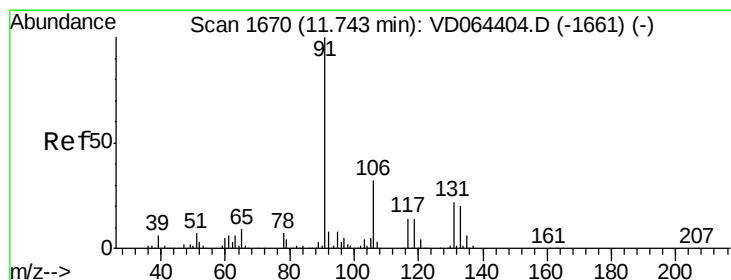
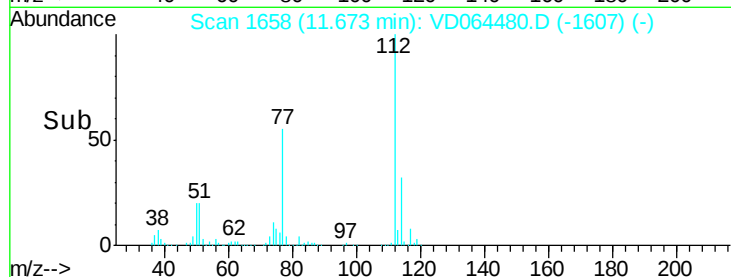
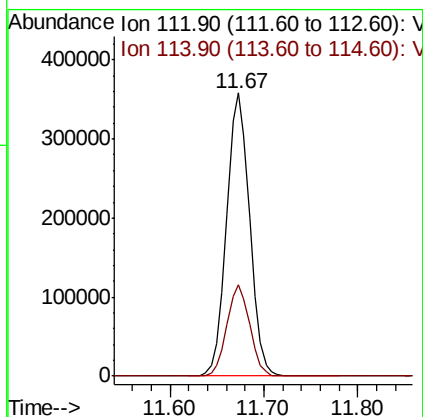
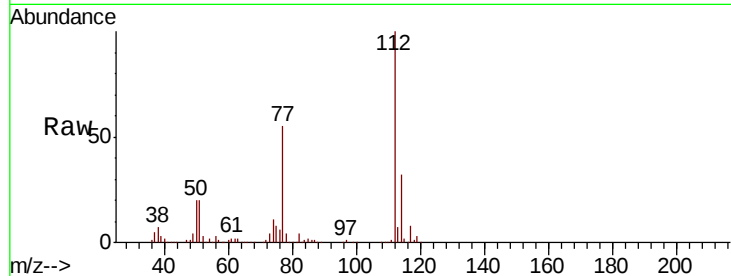
#65
Chlorobenzene
Concen: 51.332 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.5	39.7

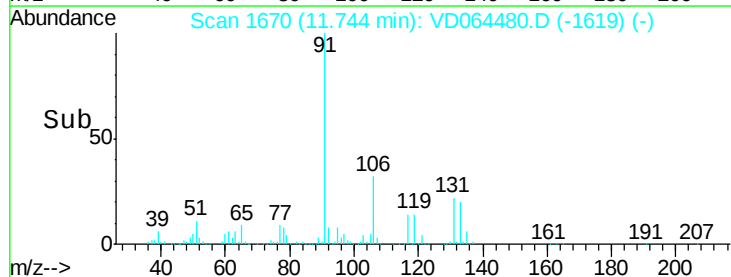
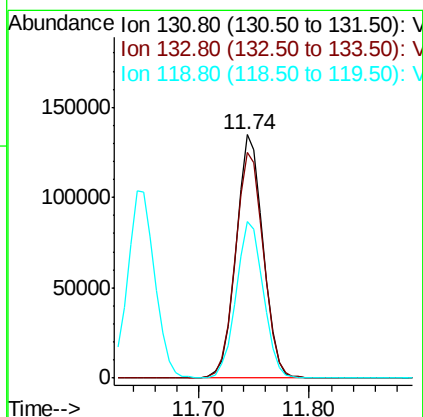
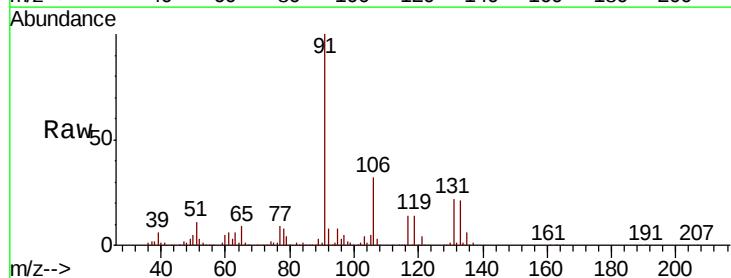
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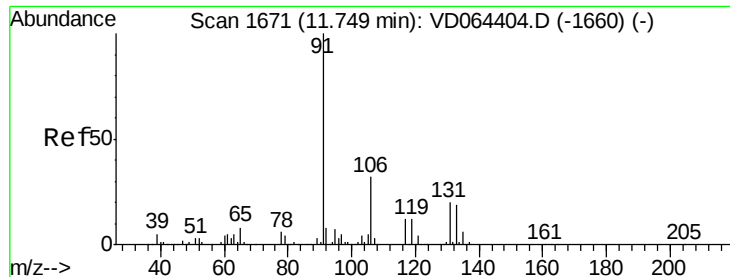
apatel
12/10/2019 4:06:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.931 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	48.3	144.9
119	65.3	31.9	95.9





#67

Ethyl Benzene

Concen: 50.784 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1070669

Ion Ratio Lower Upper

91 100

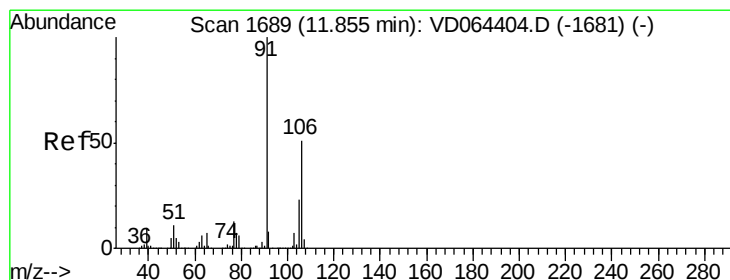
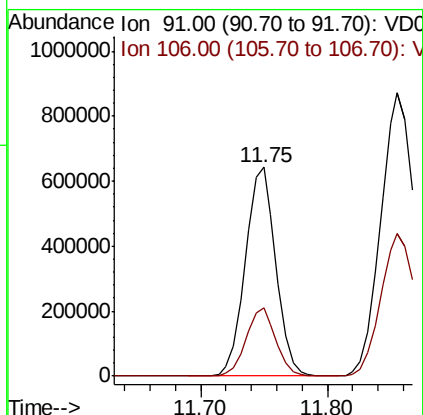
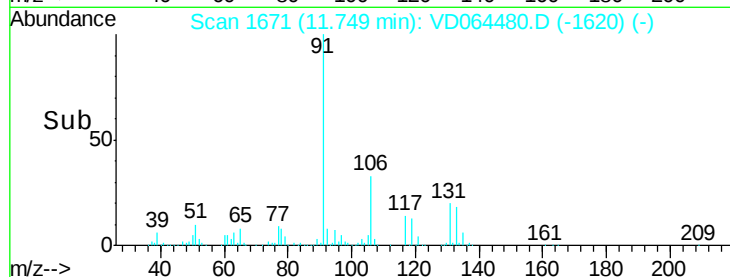
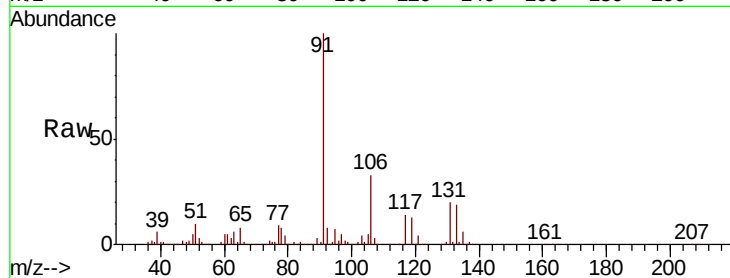
106 32.8 25.8 38.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 103.497 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064480.D

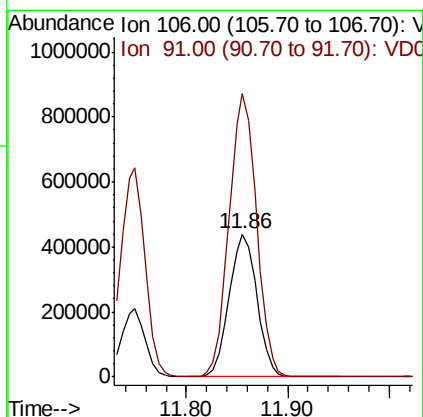
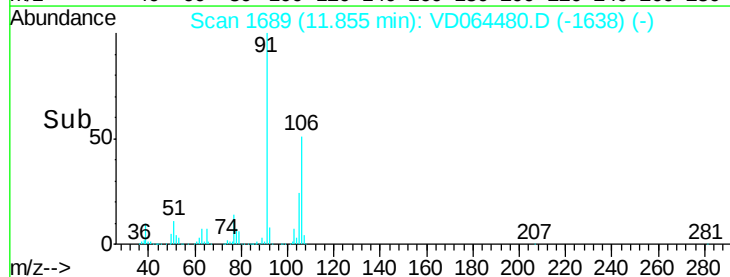
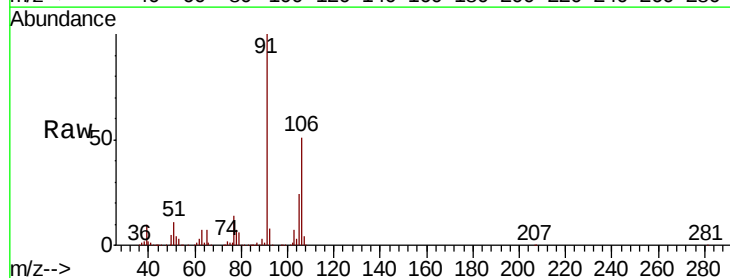
Acq: 09 Dec 2019 19:42

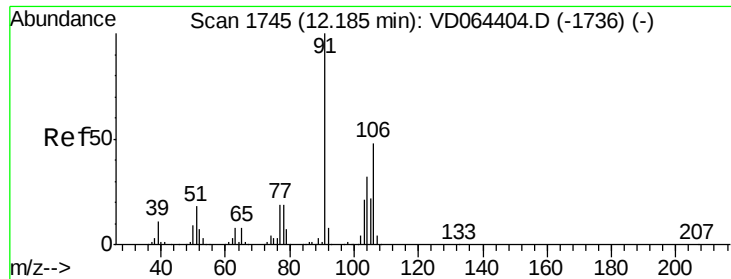
Tgt Ion: 106 Resp: 831988

Ion Ratio Lower Upper

106 100

91 197.2 157.4 236.2





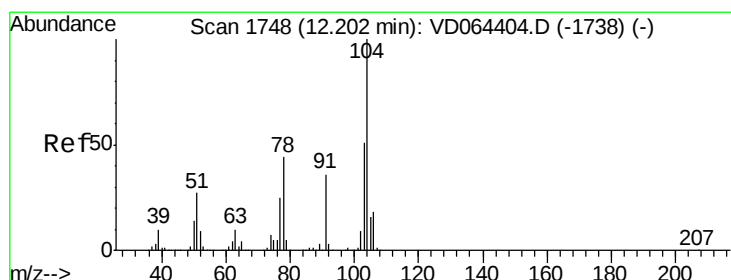
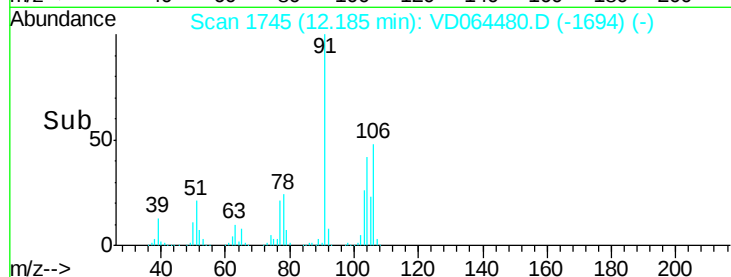
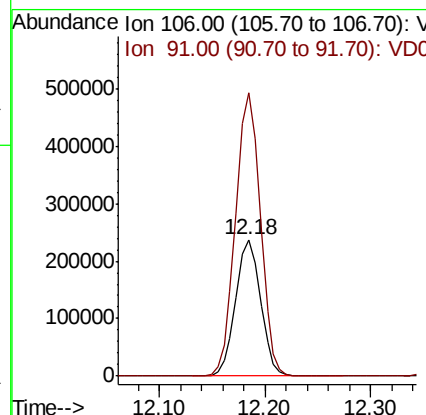
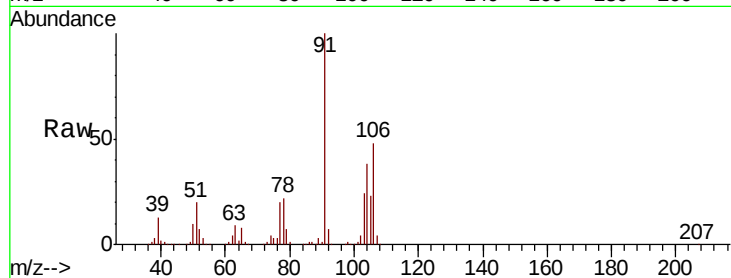
#69
o-Xylene
Concen: 52.202 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		387562		
91	207.0	103.8	311.4		

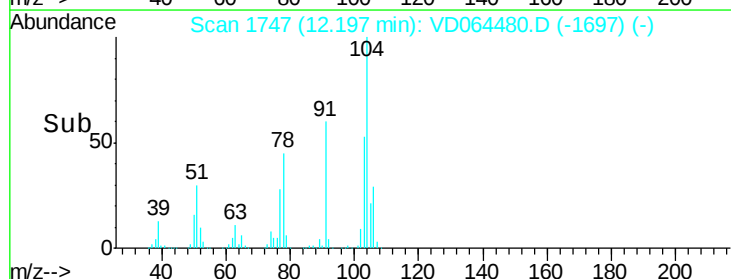
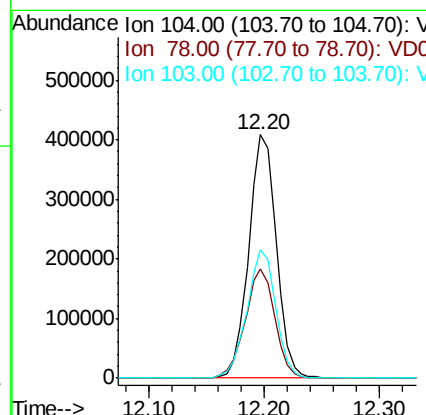
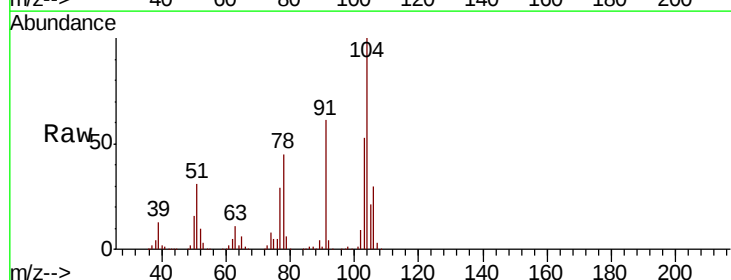
Manual Integrations
APPROVED

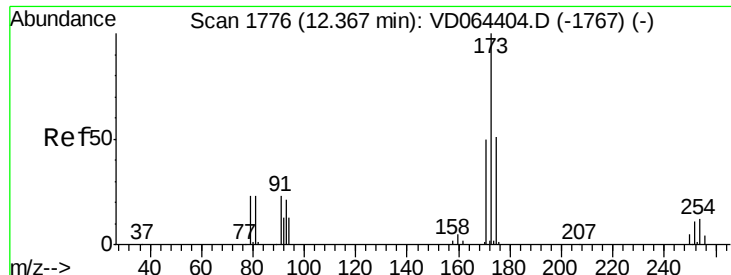
apatel
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#70
Styrene
Concen: 52.565 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		678163		
78	48.0	38.8	58.2		
103	55.3	44.2	66.4		





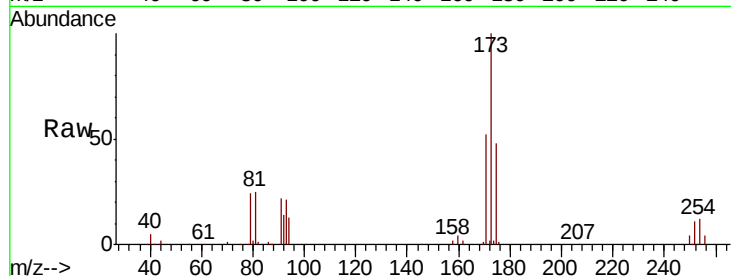
#71
Bromoform
Concen: 51.895 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	25.3	75.8
254	0.1	0.0	0.0#

Manual Integrations
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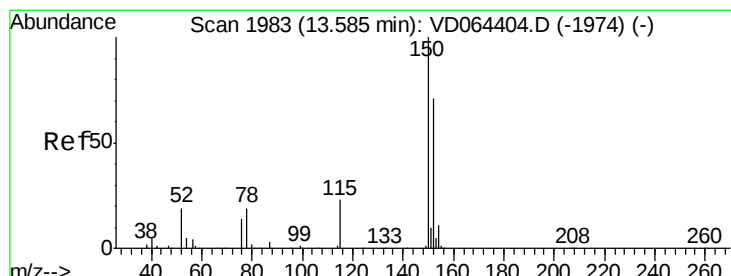
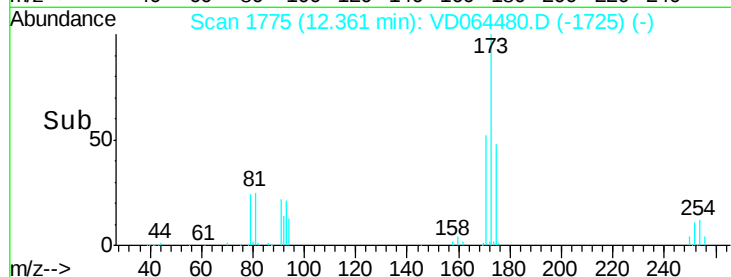
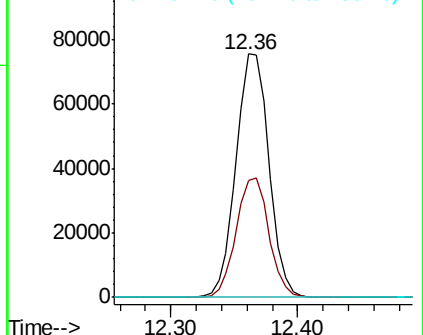


Abundance

Ion 172.70 (172.40 to 173.40): V

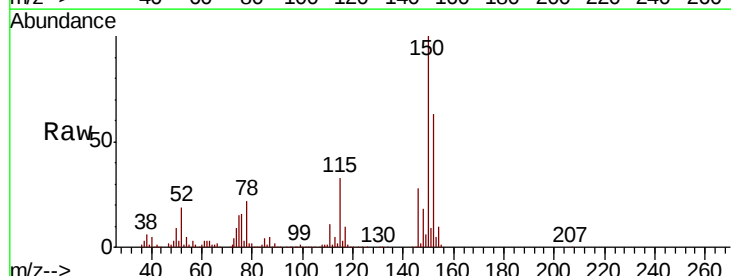
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	26.7	80.1
150	174.8	0.0	347.2

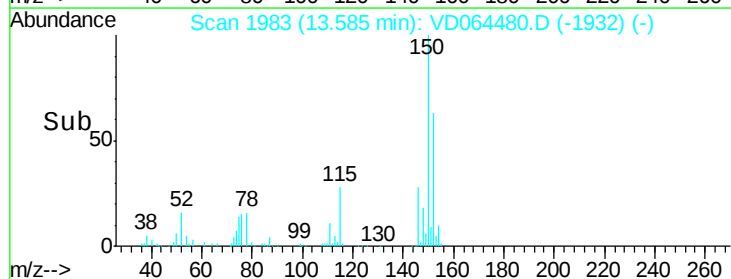
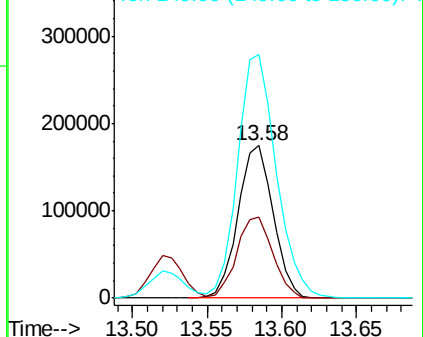


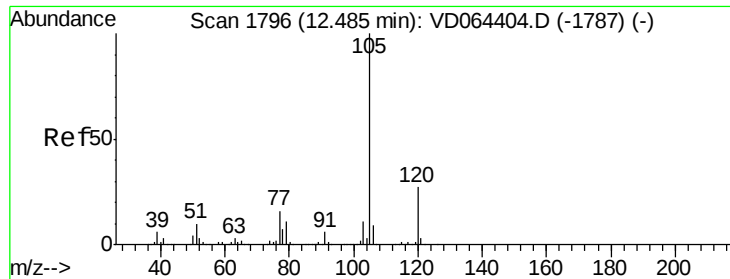
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.255 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1032362

Ion Ratio Lower Upper

105 100

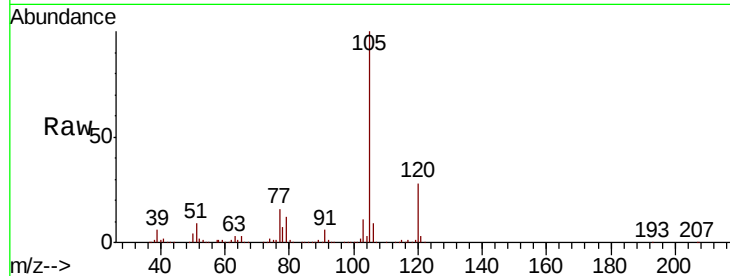
120 27.1 13.4 40.2

Manual Integrations

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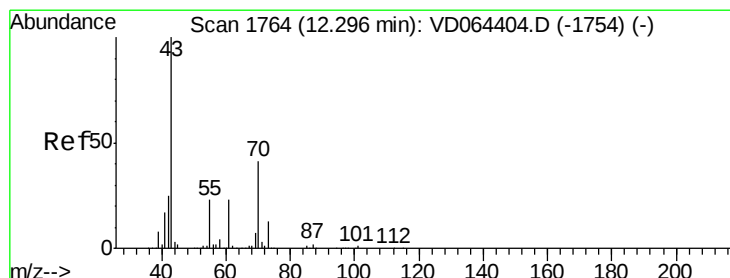
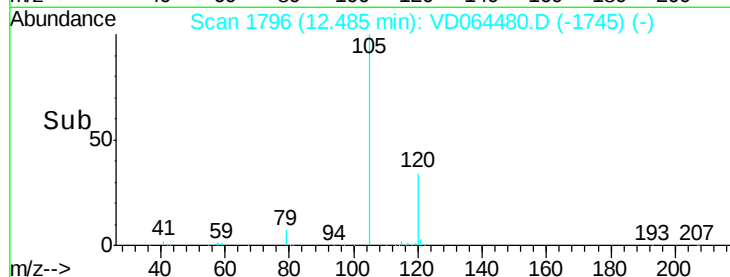
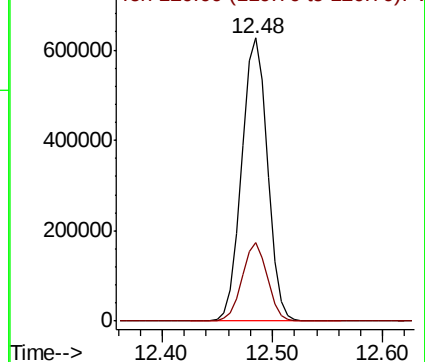
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.477 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Tgt Ion: 43 Resp: 235344

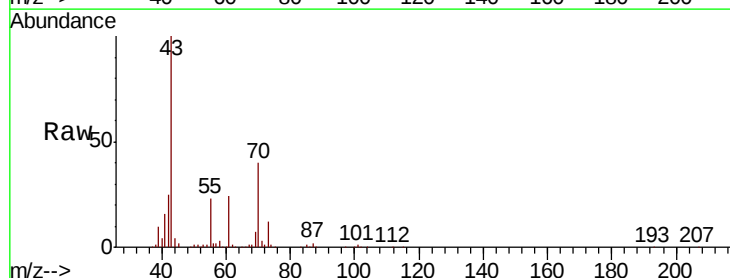
Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.2

55 24.0 18.9 28.3

61 23.6 18.5 27.7

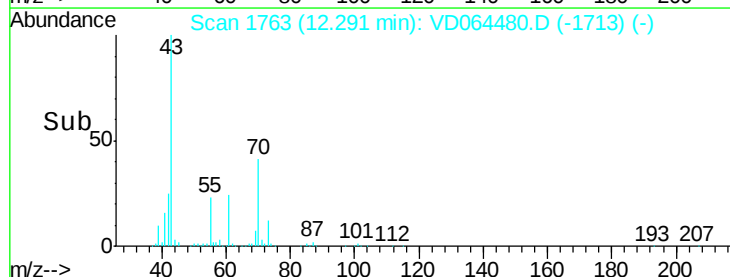
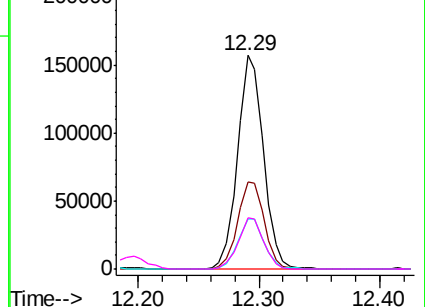


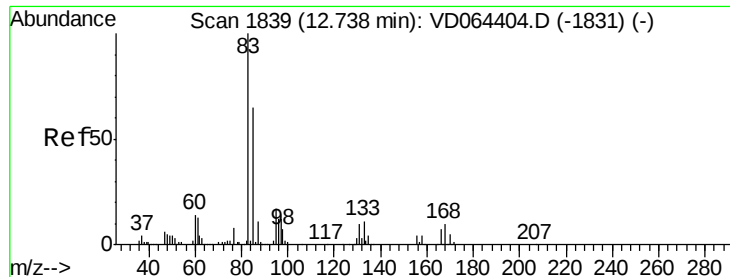
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 50.127 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 170288

Ion Ratio Lower Upper

83 100

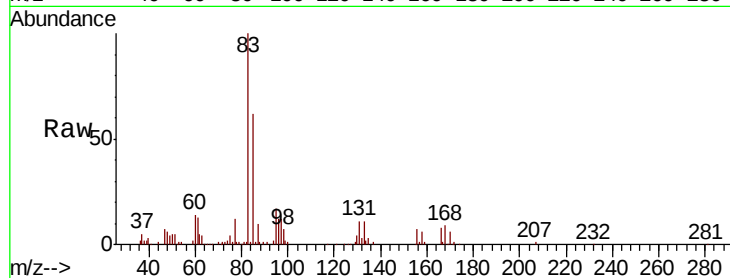
131 11.0 5.7 17.0

85 63.7 31.3 93.9

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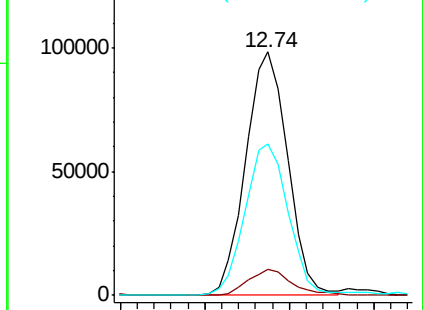
12/10/2019 4:06:55 PM



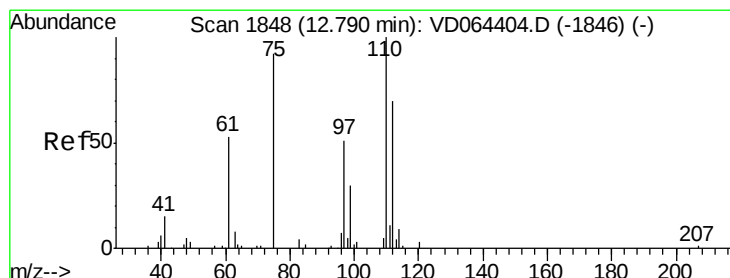
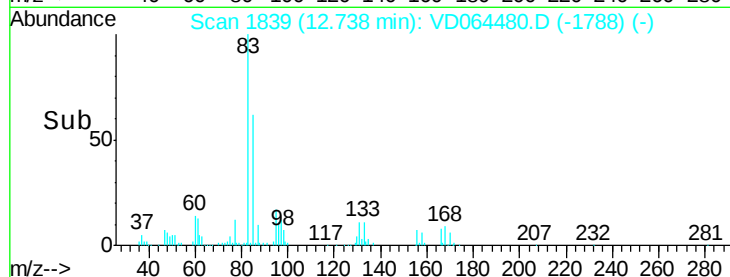
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



Time-->



#76

1,2,3-Trichloropropane

Concen: 54.004 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064480.D

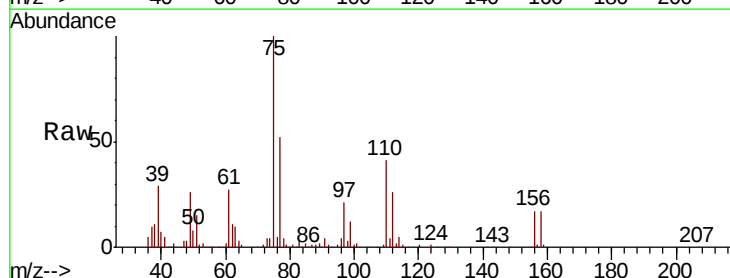
Acq: 09 Dec 2019 19:42

Tgt Ion: 75 Resp: 126851

Ion Ratio Lower Upper

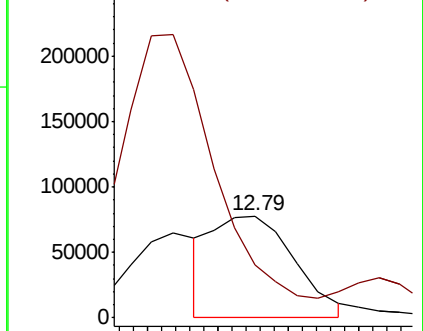
75 100

77 0.0 0.0 0.0

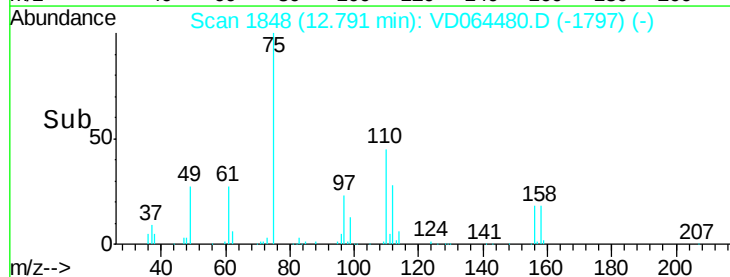


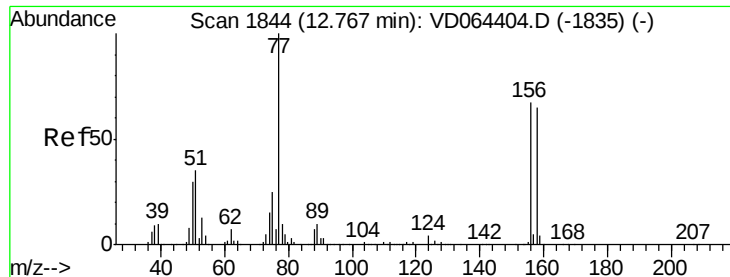
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time-->





#77

Bromobenzene

Concen: 51.339 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

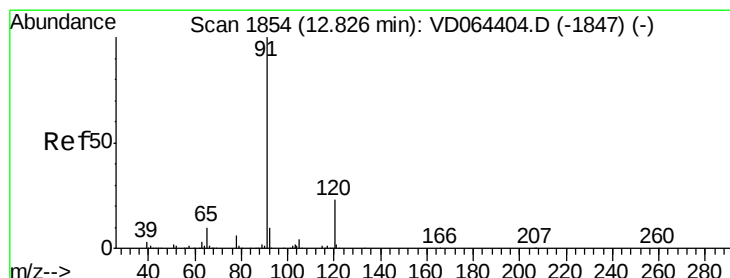
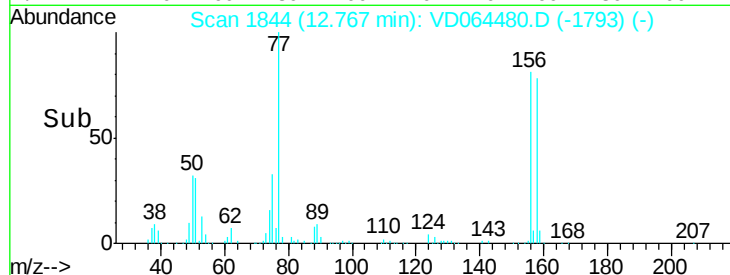
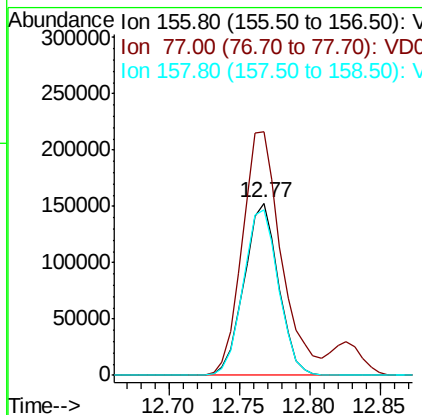
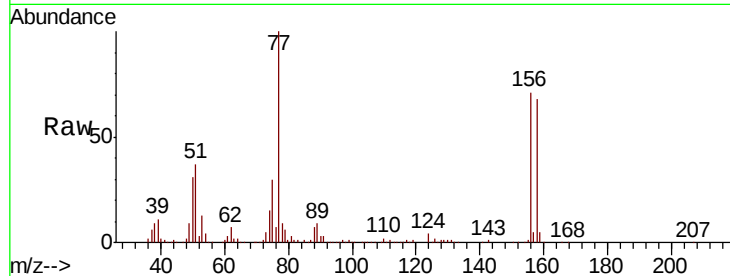
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	260439
Ion Ratio	Lower	Upper	
156	100		
77	161.6	80.0	240.2
158	98.8	48.9	146.6

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#78

n-propylbenzene

Concen: 50.201 ug/l

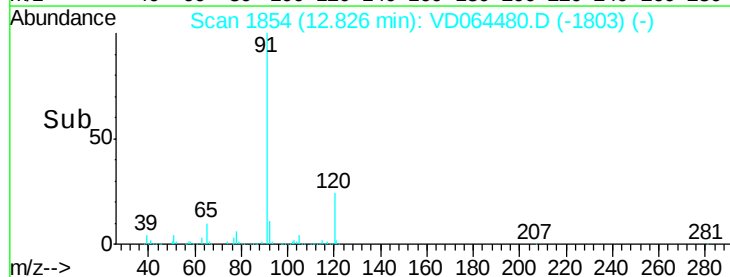
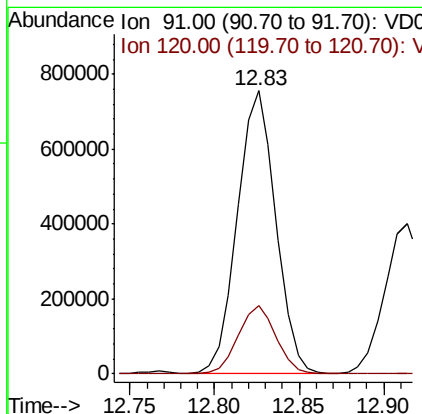
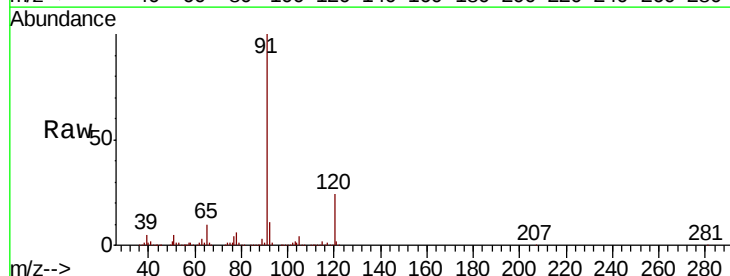
RT: 12.83 min Scan# 1854

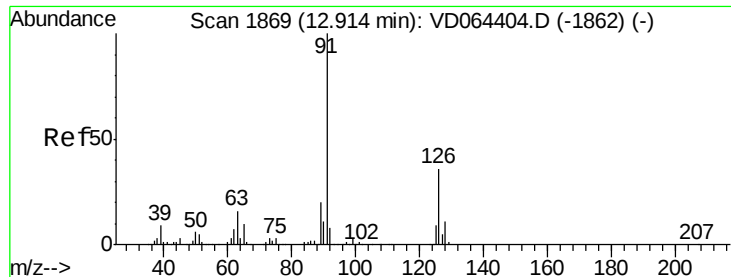
Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Tgt Ion:	91	Resp:	1189878
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.9





#79

2-Chlorotoluene

Concen: 51.216 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 667963

Ion Ratio Lower Upper

91 100

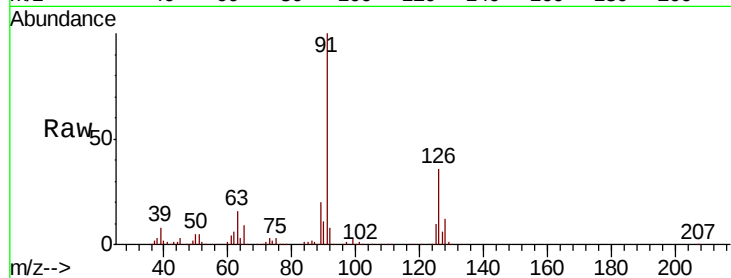
126 36.1 18.0 54.0

Manual Integrations

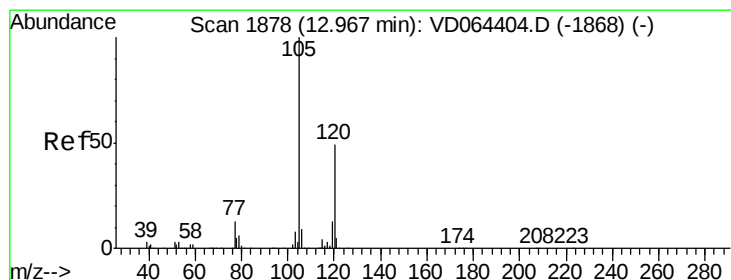
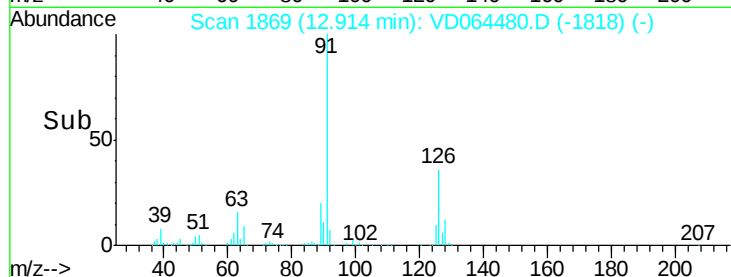
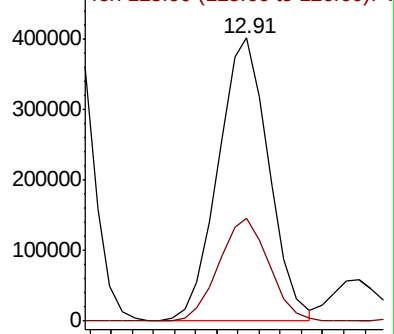
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Abundance Ion 91.00 (90.70 to 91.70): VD064480.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.676 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064480.D

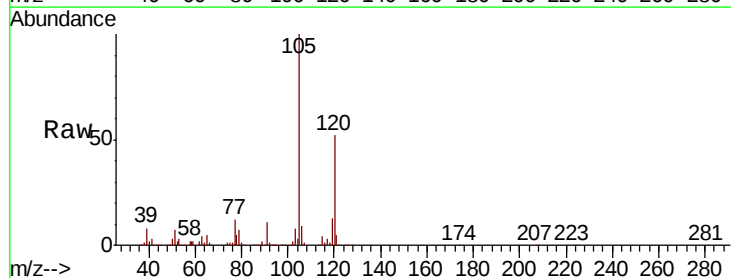
Acq: 09 Dec 2019 19:42

Tgt Ion: 105 Resp: 850713

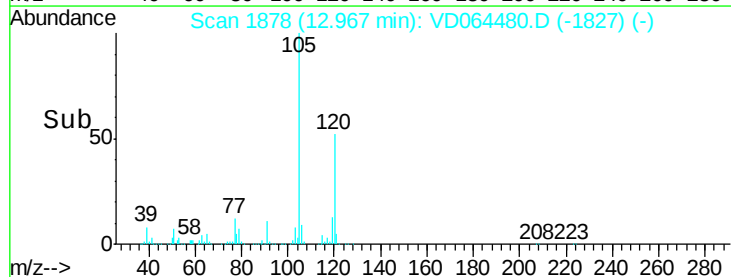
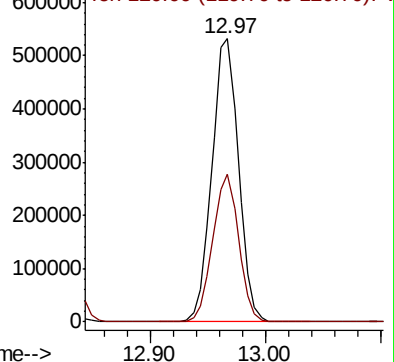
Ion Ratio Lower Upper

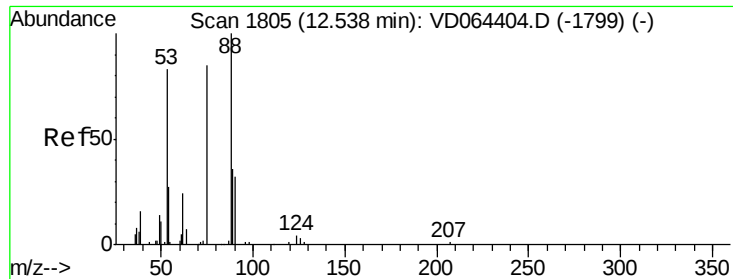
105 100

120 50.8 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064480.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.220 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 54098

Ion Ratio Lower Upper

75 100

53 101.2 81.0 121.6

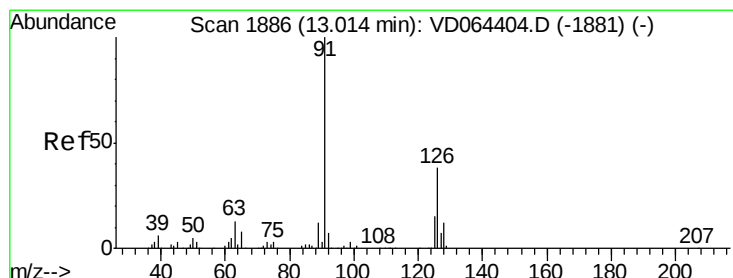
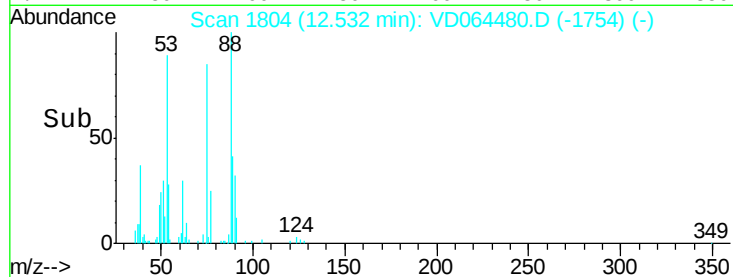
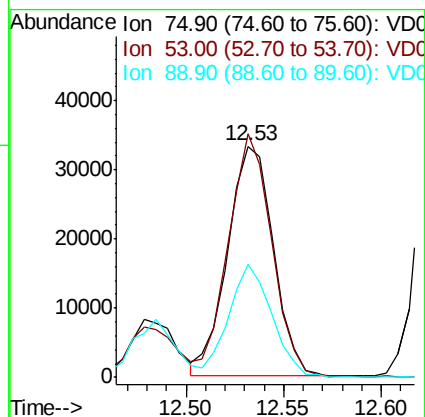
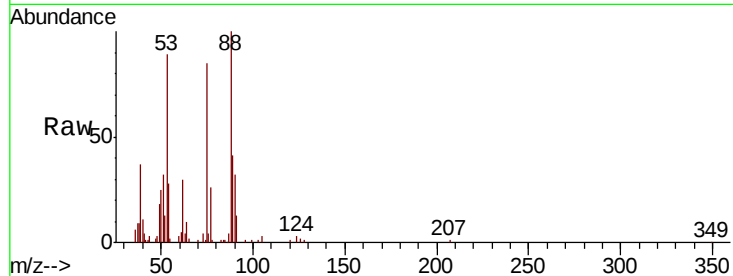
89 46.1 38.5 57.7

Manual Integrations

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#82

4-Chlorotoluene

Concen: 50.400 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064480.D

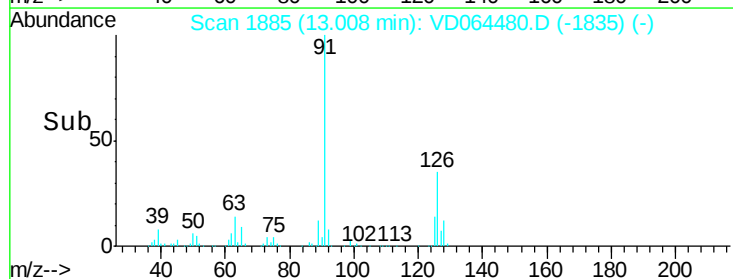
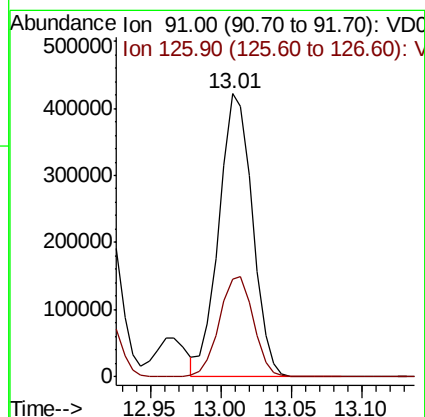
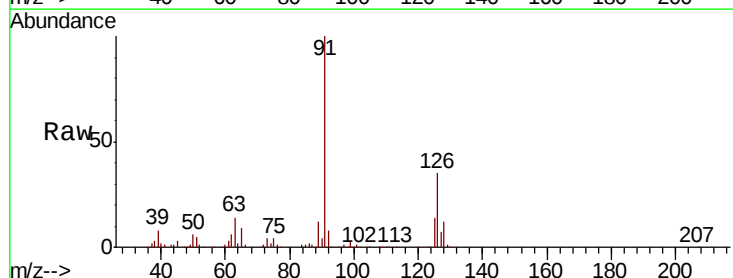
Acq: 09 Dec 2019 19:42

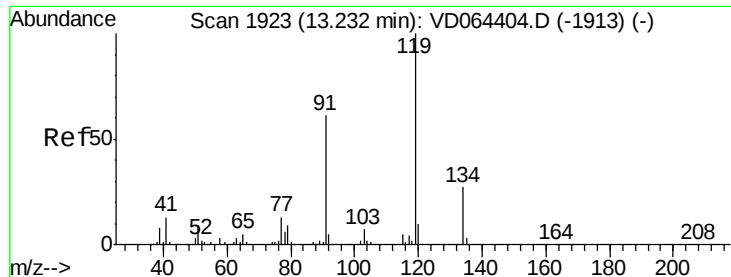
Tgt Ion: 91 Resp: 695964

Ion Ratio Lower Upper

91 100

126 36.1 18.2 54.6





#83

tert-Butylbenzene

Concen: 50.685 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

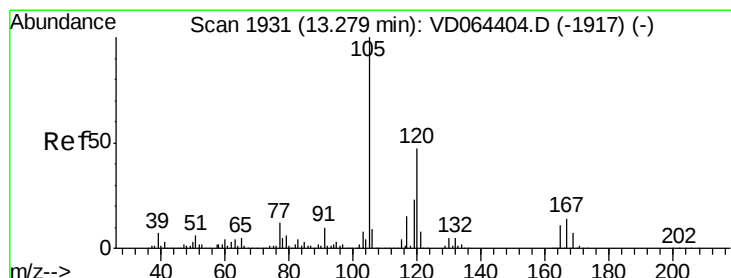
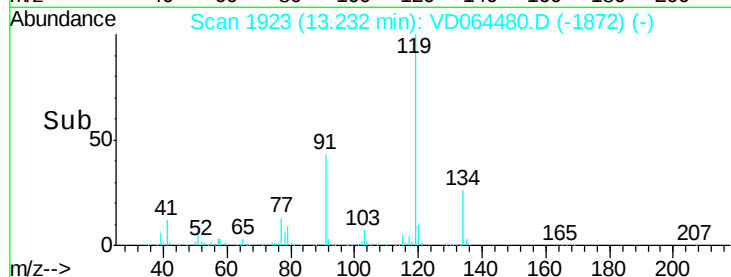
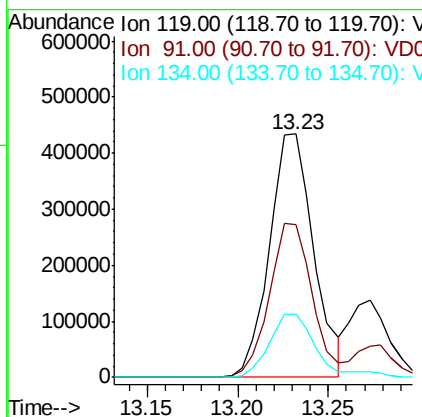
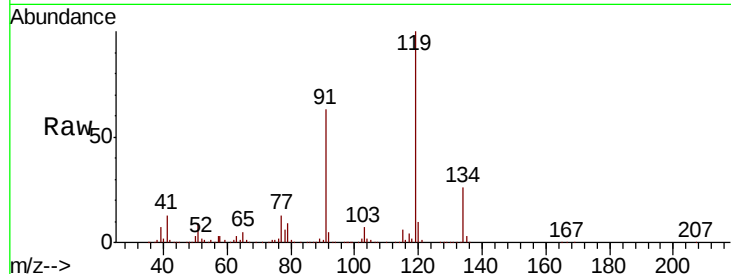
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	739718
Ion Ratio	Lower	Upper	
119	100		
91	60.8	31.2	93.6
134	27.6	13.9	41.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 50.407 ug/l

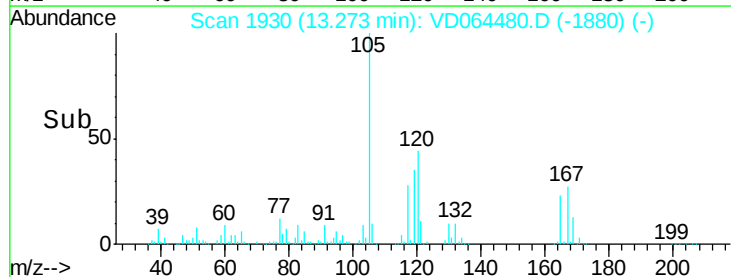
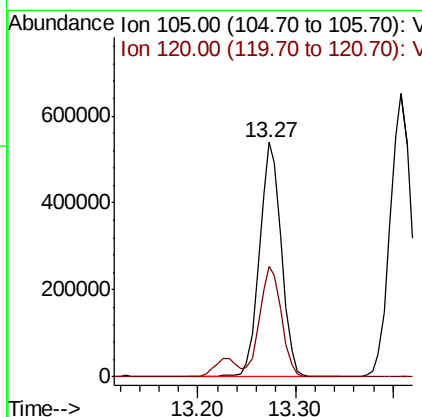
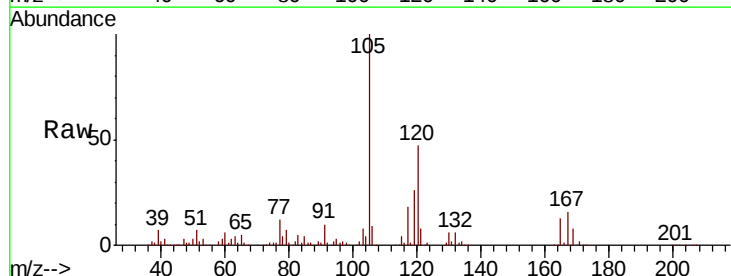
RT: 13.27 min Scan# 1930

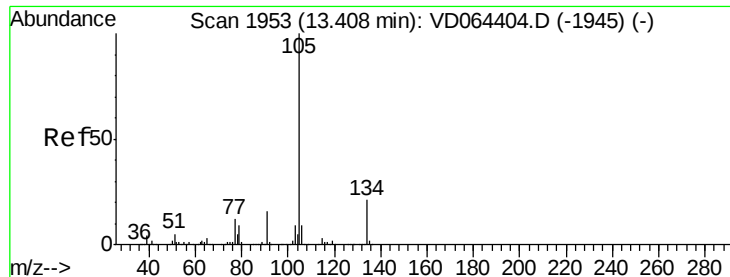
Delta R.T. -0.01 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Tgt Ion:	105	Resp:	850878
Ion Ratio	Lower	Upper	
105	100		
120	46.9	23.6	70.8





#85

sec-Butylbenzene

Concen: 49.746 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 996448

Ion Ratio Lower Upper

105 100

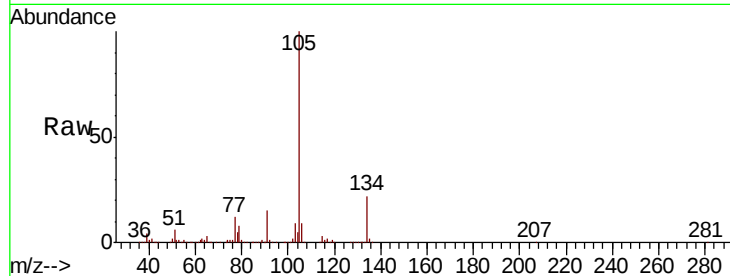
134 21.4 10.5 31.5

Manual Integrations

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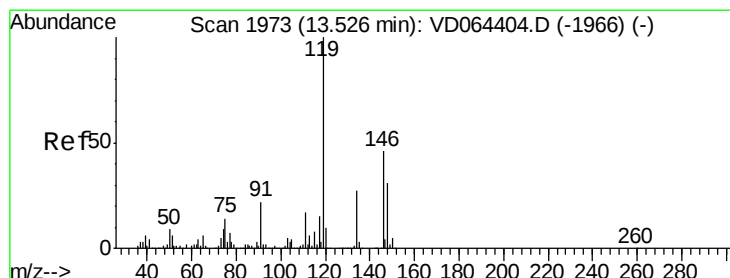
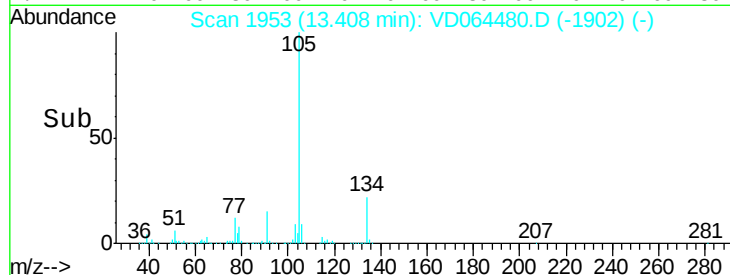
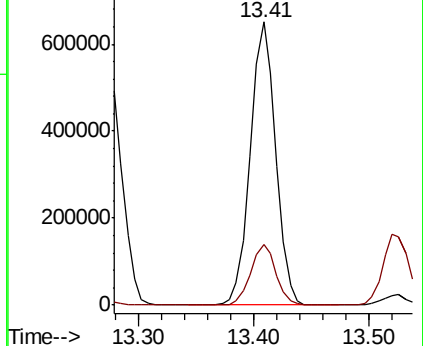
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.455 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

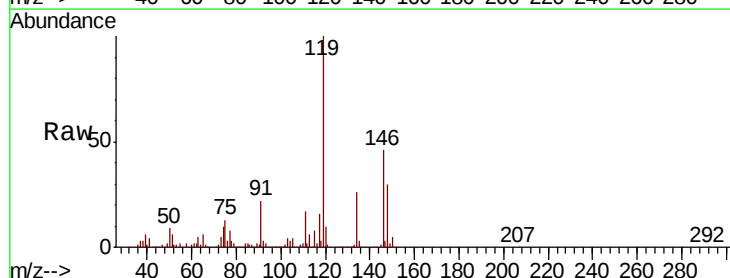
Tgt Ion:119 Resp: 954145

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

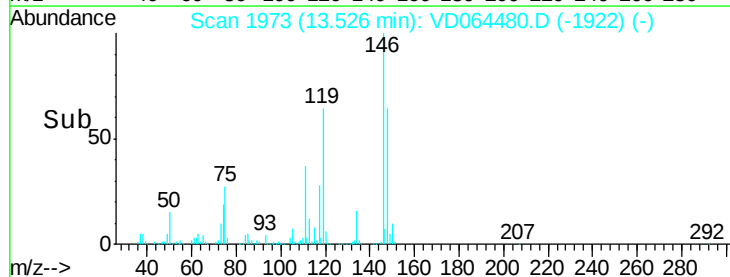
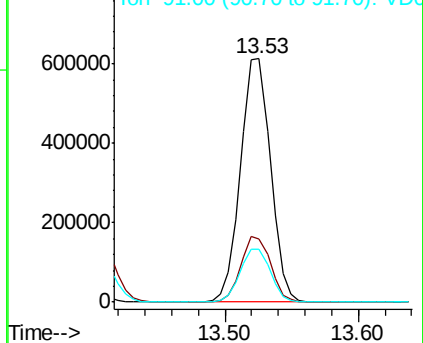
91 22.3 11.2 33.5

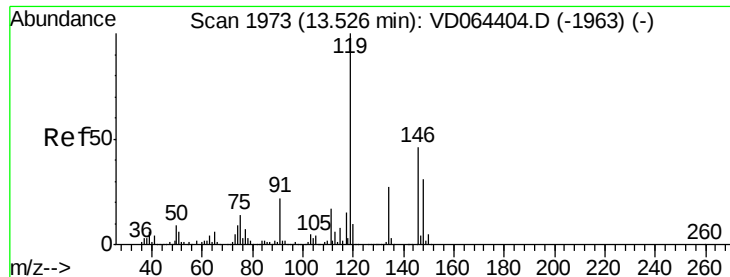


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





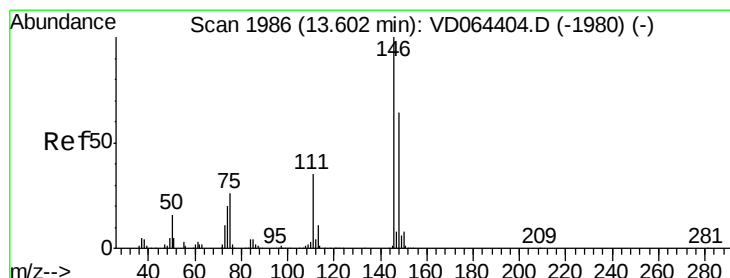
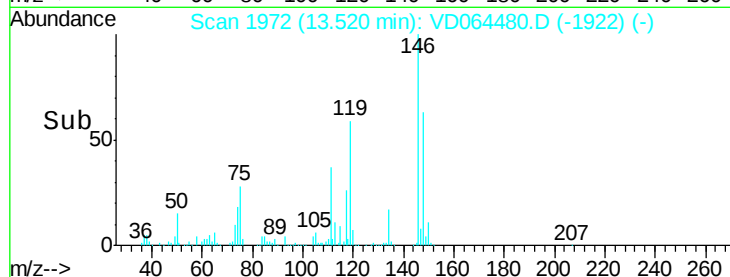
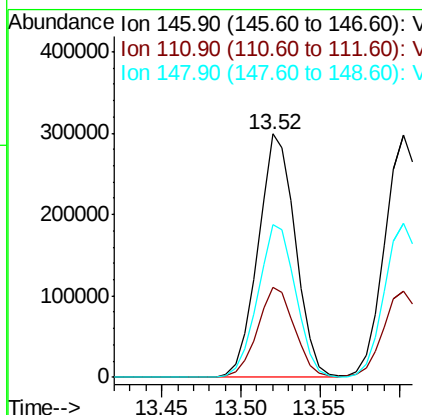
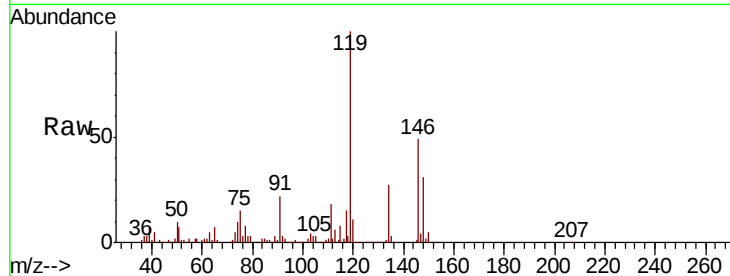
#87
 1,3-Dichlorobenzene
 Concen: 50.869 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.4
148	63.7	32.6	97.8

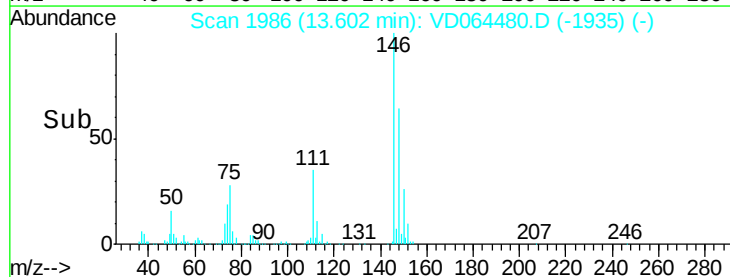
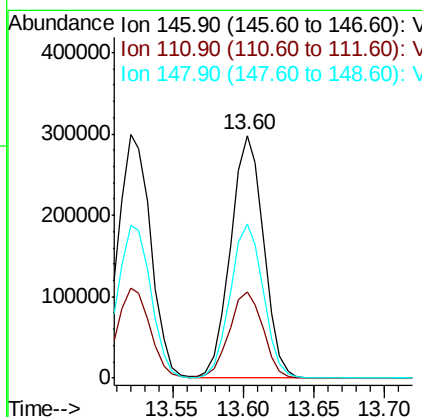
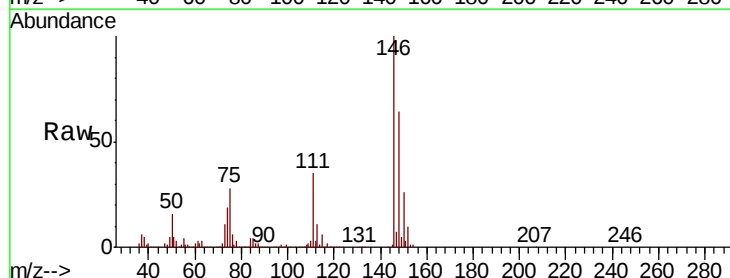
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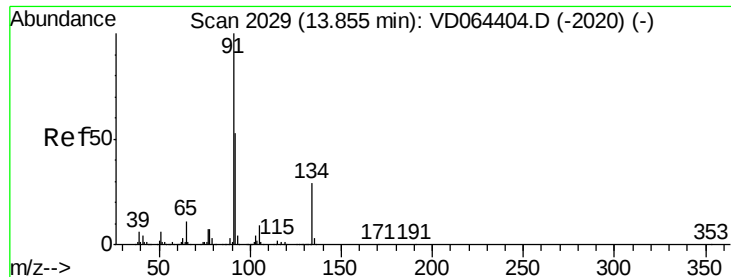
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#88
 1,4-Dichlorobenzene
 Concen: 51.175 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.2	54.6
148	63.5	31.8	95.4





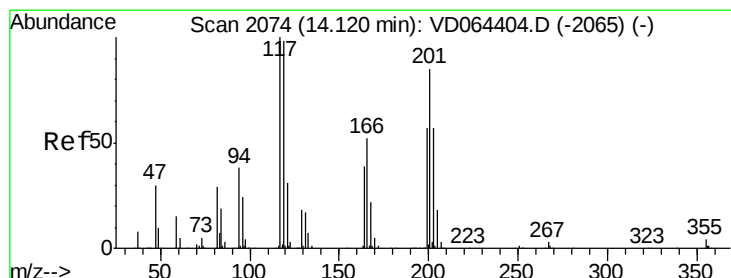
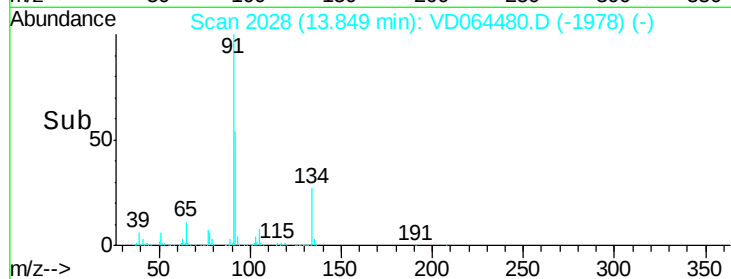
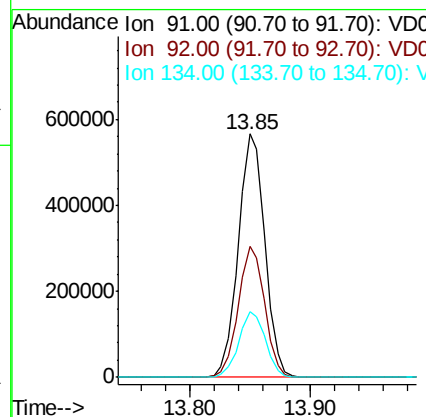
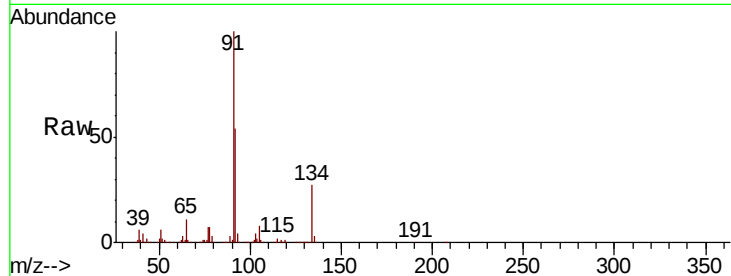
#89
n-Butylbenzene
Concen: 50.540 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.5	79.4
134	27.1	13.9	41.7

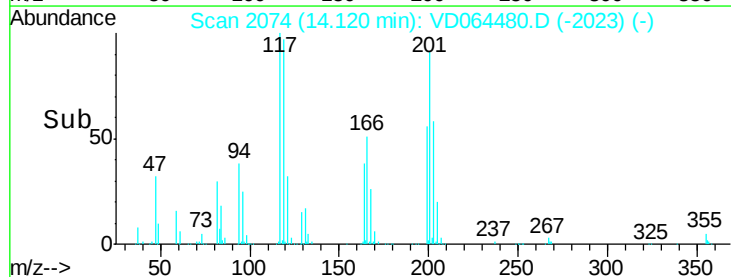
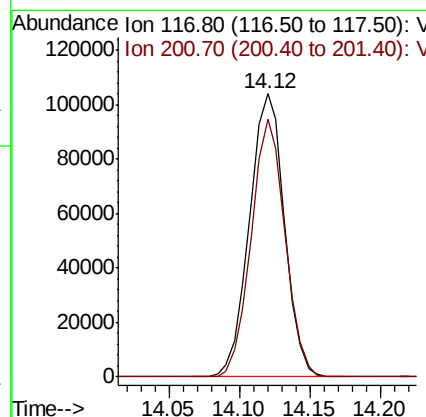
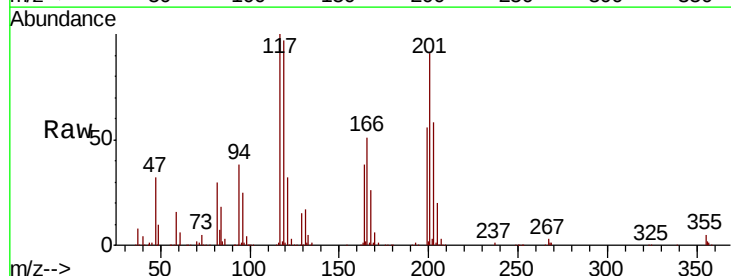
Manual Integrations
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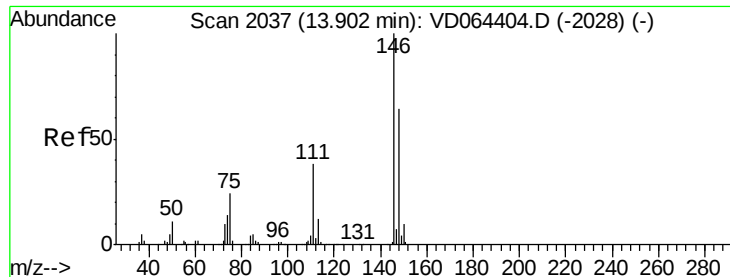
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#90
Hexachloroethane
Concen: 51.167 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064480.D
Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.1	44.3	132.8





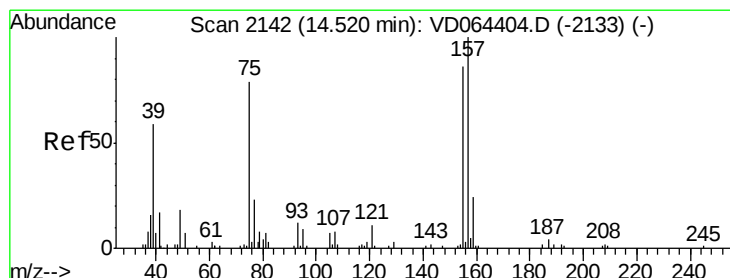
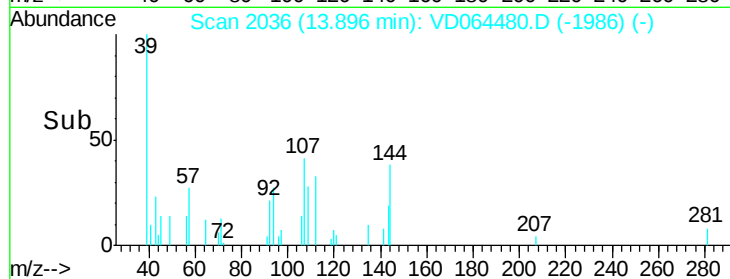
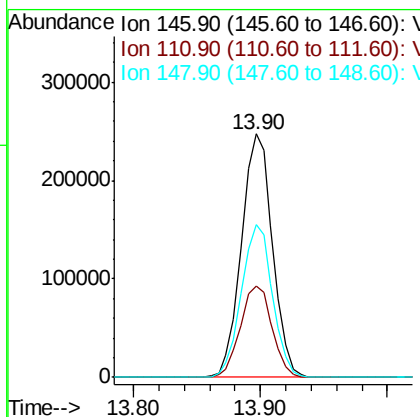
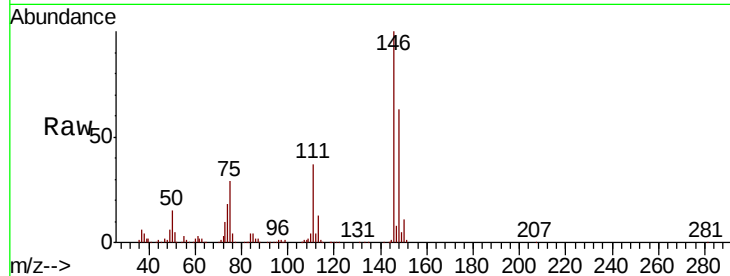
#91
 1,2-Dichlorobenzene
 Concen: 50.959 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.3
148	63.0	32.0	96.0

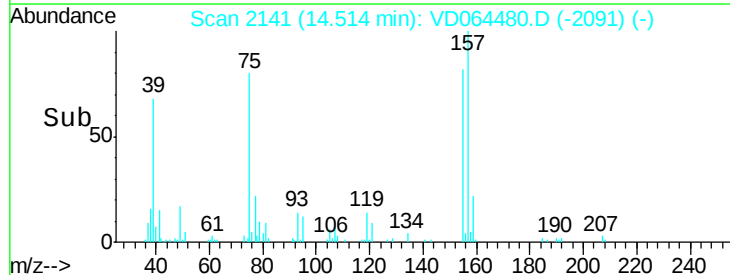
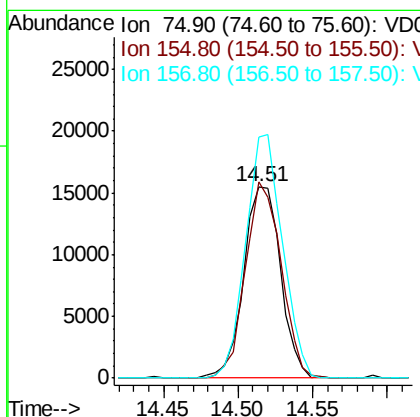
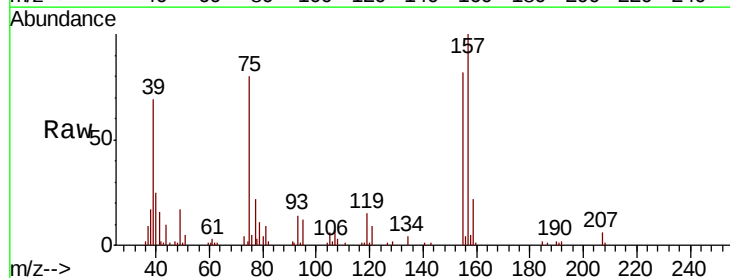
Manual Integrations
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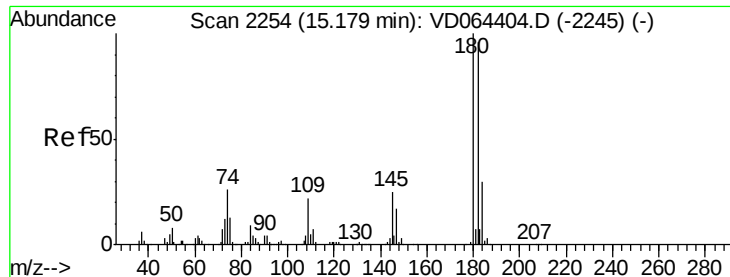
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.412 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	51.9	155.7
157	126.9	63.2	189.8





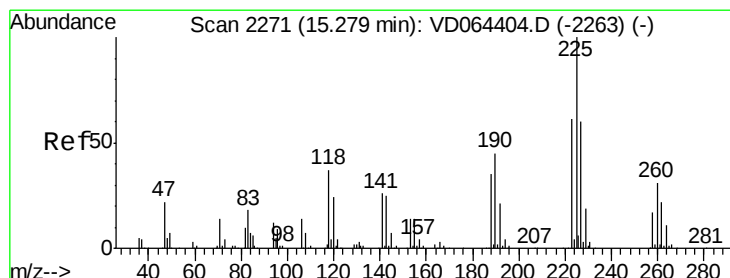
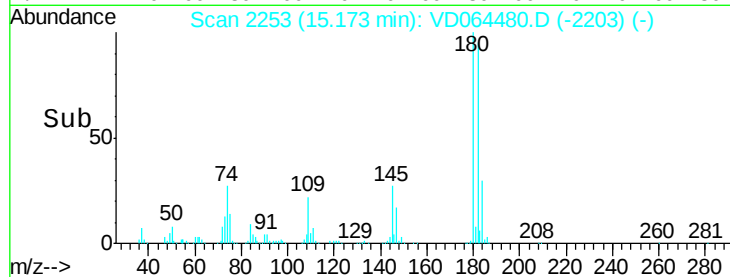
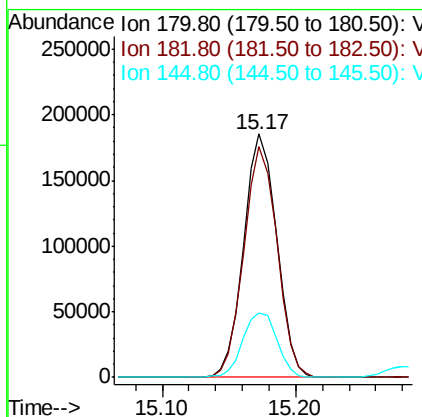
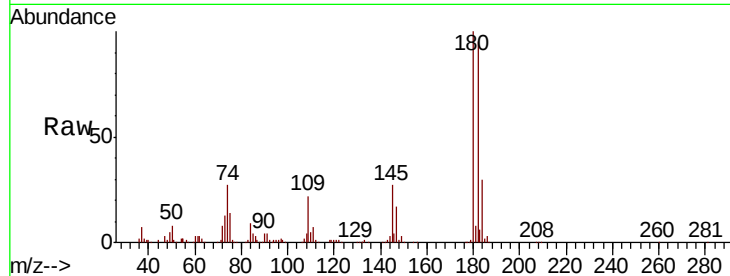
#93
 1,2,4-Trichlorobenzene
 Concen: 50.374 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.3
145	27.6	14.0	41.9

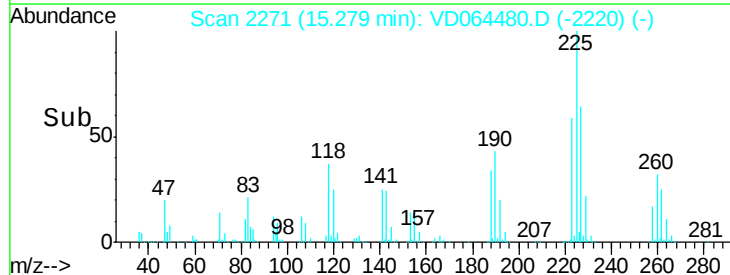
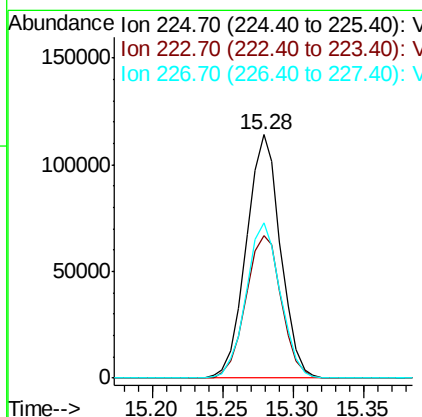
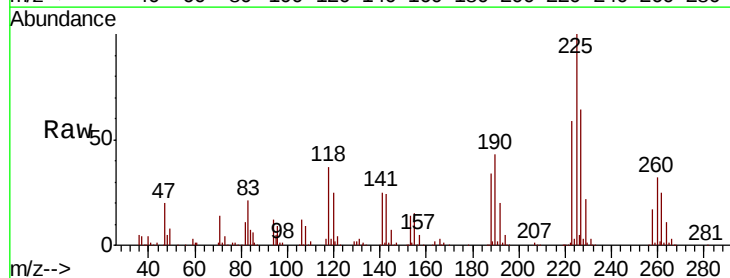
Manual Integrations
 APPROVED

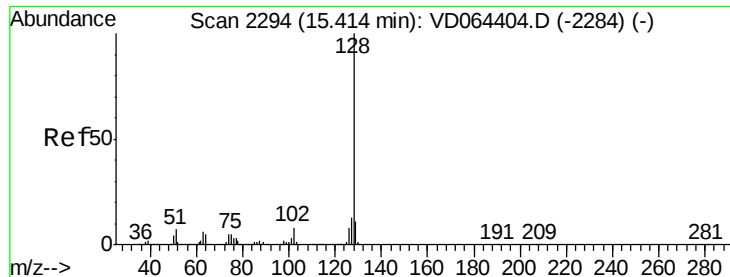
apatel
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#94
 Hexachlorobutadiene
 Concen: 49.709 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064480.D
 Acq: 09 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.1	93.3
227	64.0	31.8	95.4





#95

Naphthalene

Concen: 49.904 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Instrument :

MSVOA_D

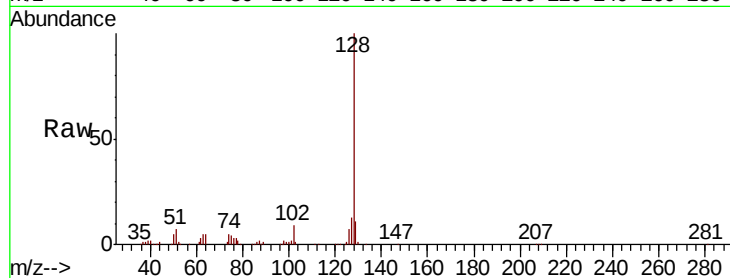
ClientSampleId :

VSTDCCC050EC

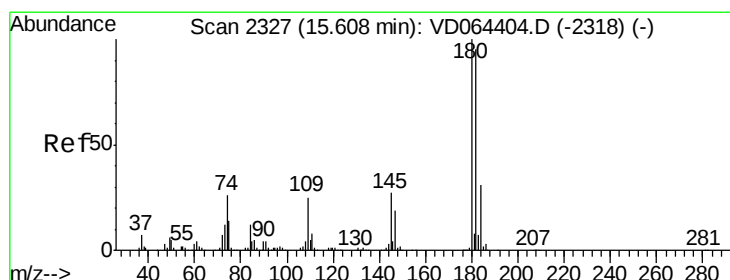
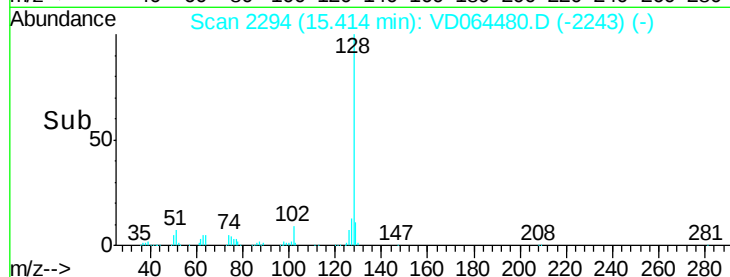
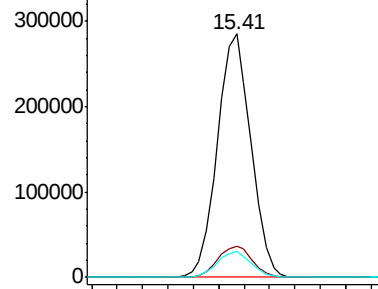
Tot Ion:	128	Resp:	524841
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.8	8.8	13.2

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.904 ug/l

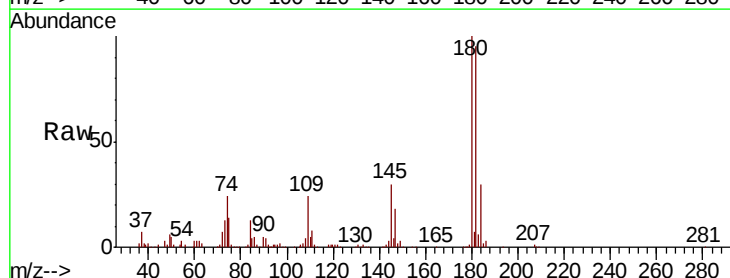
RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064480.D

Acq: 09 Dec 2019 19:42

Tgt Ion:	180	Resp:	273824
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.6	142.9
145	30.0	14.6	43.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

