

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064404.D
 Acq On : 27 Nov 2019 19:18
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:40 AM

Quant Time: Nov 29 07:09:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 06:39:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	495124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	720405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	634336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310132	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	219329	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
35) Dibromofluoromethane	7.92	113	225932	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
50) Toluene-d8	10.34	98	836605	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
62) 4-Bromofluorobenzene	12.64	95	264755	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	214611	52.143	ug/l	100
3) Chloromethane	2.21	50	270761	59.337	ug/l	100
4) Vinyl Chloride	2.35	62	324220	65.264	ug/l	100
5) Bromomethane	2.77	94	227925	70.981	ug/l	100
6) Chloroethane	2.92	64	215792	67.421	ug/l	100
7) Trichlorofluoromethane	3.27	101	538188	66.441	ug/l	100
8) Diethyl Ether	3.71	74	112163	53.114	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	228397	52.064	ug/l	100
10) Methyl Iodide	4.30	142	277588	63.185	ug/l	100
11) Tert butyl alcohol	5.26	59	73538	259.905	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	221476	53.026	ug/l	100
13) Acrolein	3.93	56	92470	363.707	ug/l	100
14) Allyl chloride	4.71	41	350541	48.523	ug/l	100
15) Acrylonitrile	5.43	53	244892	270.500	ug/l	100
16) Acetone	4.17	43	241267	253.832	ug/l	100
17) Carbon Disulfide	4.40	76	716142	54.850	ug/l	100
18) Methyl Acetate	4.73	43	128047	47.888	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	522372	52.550	ug/l	100
20) Methylene Chloride	4.96	84	242615	49.515	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	252822	53.328	ug/l	100
22) Diisopropyl ether	6.37	45	696543	51.211	ug/l	100
23) Vinyl Acetate	6.31	43	2108946	275.908	ug/l	100
24) 1,1-Dichloroethane	6.27	63	419865	52.927	ug/l	100
25) 2-Butanone	7.22	43	328059	263.005	ug/l	100
26) 2,2-Dichloropropane	7.21	77	359672	47.140	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	277338	54.290	ug/l	100
28) Bromochloromethane	7.54	49	150999	54.765	ug/l	100
29) Tetrahydrofuran	7.57	42	201344	267.642	ug/l	100
30) Chloroform	7.71	83	433251	53.226	ug/l	100
31) Cyclohexane	7.98	56	382705	48.075	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	398200	51.380	ug/l	100
36) 1,1-Dichloropropene	8.11	75	333500	50.527	ug/l	100
37) Ethyl Acetate	7.30	43	145850	51.899	ug/l	100
38) Carbon Tetrachloride	8.10	117	365848	51.600	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	428661	51.033	ug/l	100
40) Benzene	8.35	78	956215	52.613	ug/l	100
41) Methacrylonitrile	7.53	41	95791	54.420	ug/l	100
42) 1,2-Dichloroethane	8.43	62	276183	50.794	ug/l	100
43) Isopropyl Acetate	8.46	43	291519	50.722	ug/l	100
44) Trichloroethene	9.11	130	280580	51.590	ug/l	100
45) 1,2-Dichloropropane	9.39	63	233591	52.695	ug/l	100
46) Dibromomethane	9.48	93	130099	54.418	ug/l	100
47) Bromodichloromethane	9.67	83	338617	52.908	ug/l	100
48) Methyl methacrylate	9.46	41	132370	47.472	ug/l	100
49) 1,4-Dioxane	9.47	88	30341	1055.255	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	713284	257.461	ug/l	100
52) Toluene	10.41	92	615030	51.581	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	324069	50.968	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	382646	51.475	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	174434	53.895	ug/l	100
56) Ethyl methacrylate	10.66	69	230528	51.432	ug/l	100
57) 1,3-Dichloropropane	10.95	76	299538	53.203	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	421157	235.835	ug/l	100
59) 2-Hexanone	10.99	43	499637	255.044	ug/l	100
60) Dibromochloromethane	11.14	129	240292	53.256	ug/l	100
61) 1,2-Dibromoethane	11.25	107	174970	53.952	ug/l	100
64) Tetrachloroethene	10.88	164	245212	50.642	ug/l	100
65) Chlorobenzene	11.67	112	661512	51.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	250334	51.179	ug/l	100
67) Ethyl Benzene	11.75	91	1182741	50.898	ug/l	100
68) m/p-Xylenes	11.86	106	911493	102.400	ug/l	100
69) o-Xylene	12.18	106	421003	50.995	ug/l	100
70) Styrene	12.20	104	729429	50.696	ug/l	100
71) Bromoform	12.37	173	146002	52.291	ug/l	# 100
73) Isopropylbenzene	12.48	105	1133082	50.173	ug/l	100
74) N-amyl acetate	12.30	43	264031	49.468	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	188492	54.310	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	123088m	49.727	ug/l	
77) Bromobenzene	12.77	156	281860	51.183	ug/l	100
78) n-propylbenzene	12.83	91	1305827	50.598	ug/l	100
79) 2-Chlorotoluene	12.91	91	718419	49.462	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	932784	50.217	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	60073	48.470	ug/l	100
82) 4-Chlorotoluene	13.01	91	755615	49.755	ug/l	100
83) tert-Butylbenzene	13.23	119	806233	49.465	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	923939	50.383	ug/l	100
85) sec-Butylbenzene	13.41	105	1111615	50.575	ug/l	100
86) p-Isopropyltoluene	13.53	119	1043972	50.000	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	526281	51.307	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	520745	52.172	ug/l	100
89) n-Butylbenzene	13.86	91	954976	50.603	ug/l	100
90) Hexachloroethane	14.12	117	195480	50.497	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	459244	52.759	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29360	48.233	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	346558	51.879	ug/l	100
94) Hexachlorobutadiene	15.28	225	218195	50.760	ug/l	100
95) Naphthalene	15.41	128	584759	53.014	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	301321	52.731	ug/l	100

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

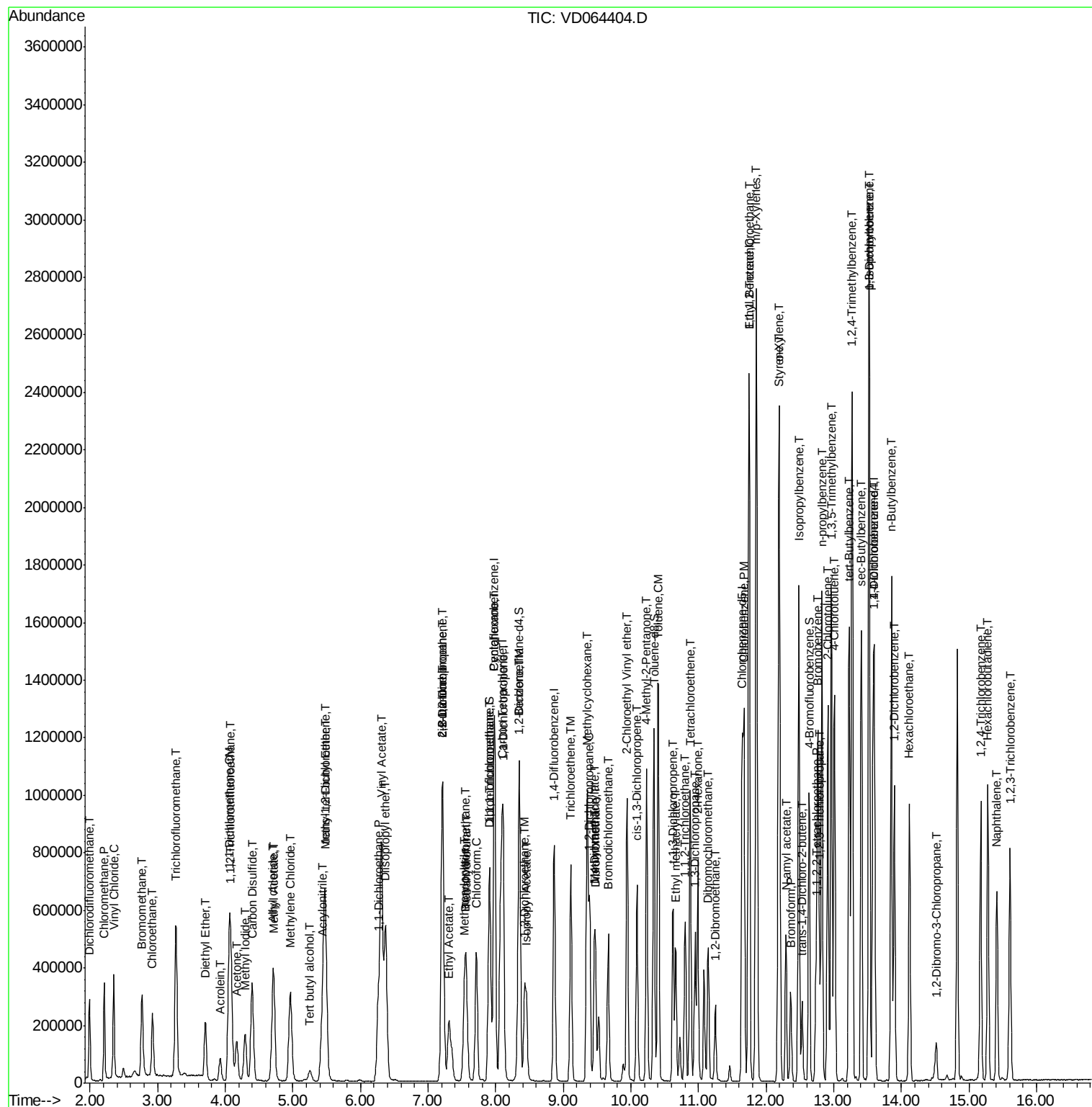
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 Data File : VD064404.D
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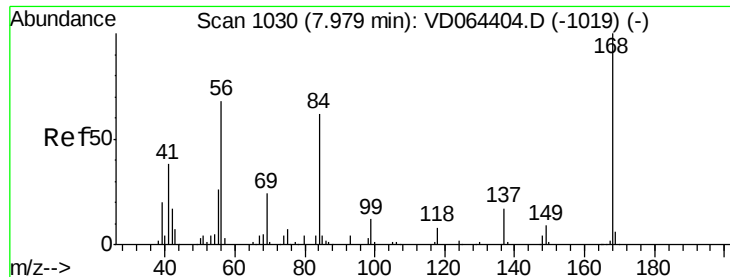
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 495124

Ion Ratio Lower Upper

168 100

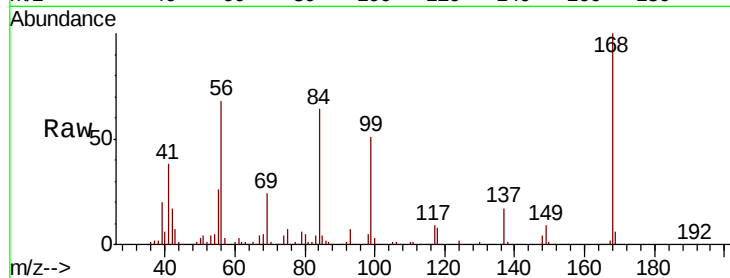
99 50.9 40.7 61.1

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

250000

200000

150000

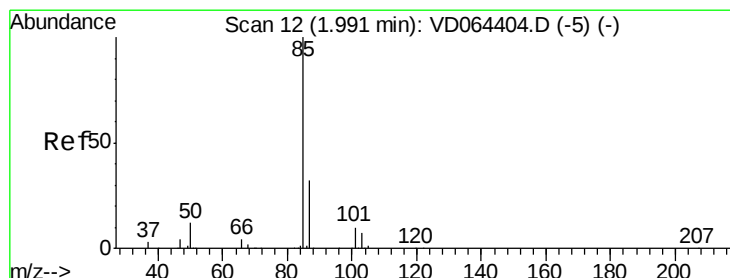
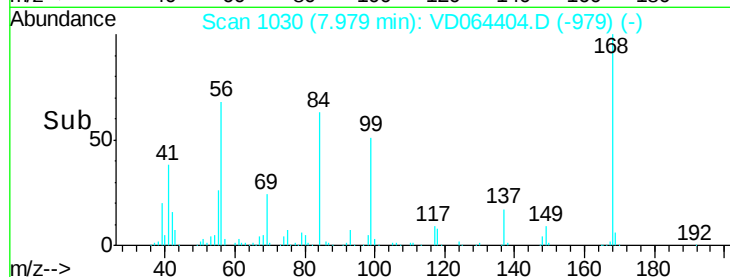
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 52.143 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064404.D

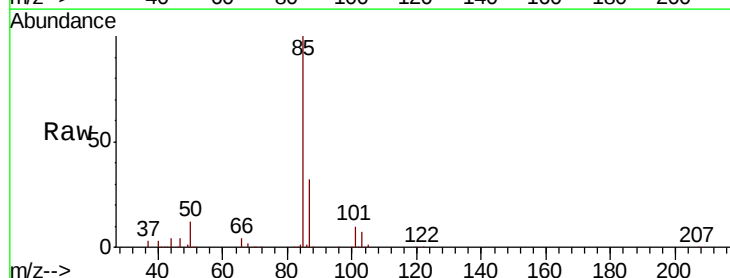
Acq: 27 Nov 2019 19:18

Tgt Ion: 85 Resp: 214611

Ion Ratio Lower Upper

85 100

87 32.1 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

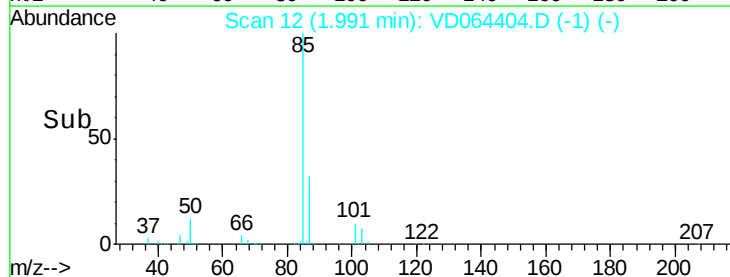
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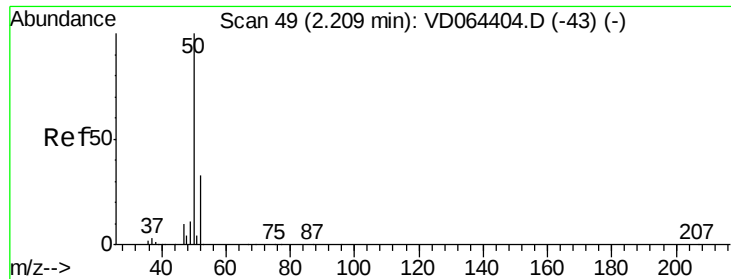
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 59.337 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 270761

Ion Ratio Lower Upper

50 100

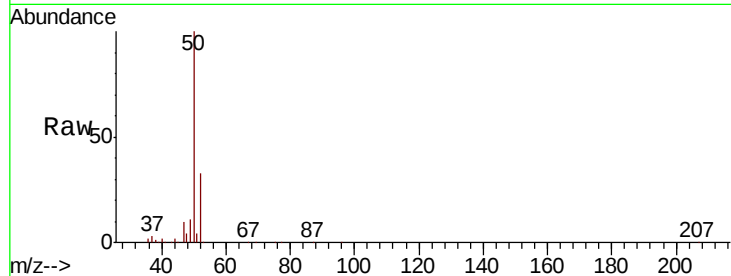
52 33.4 26.7 40.1

Manual Integrations

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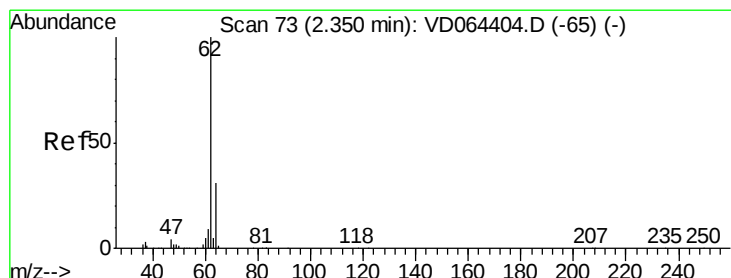
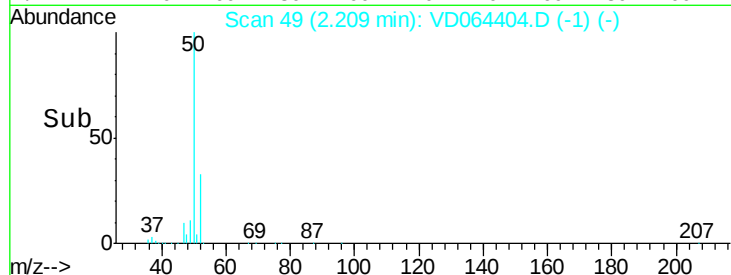
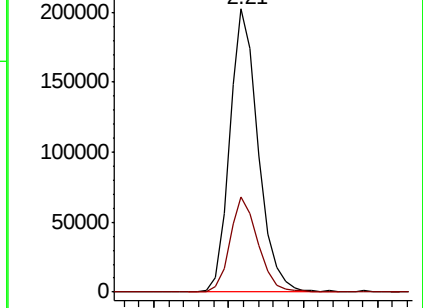
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 65.264 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064404.D

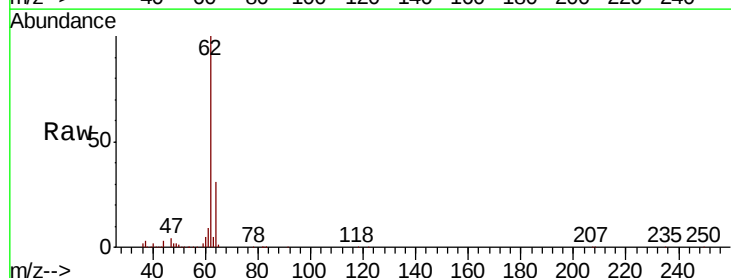
Acq: 27 Nov 2019 19:18

Tgt Ion: 62 Resp: 324220

Ion Ratio Lower Upper

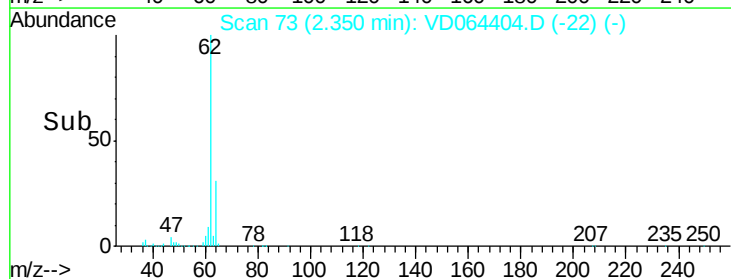
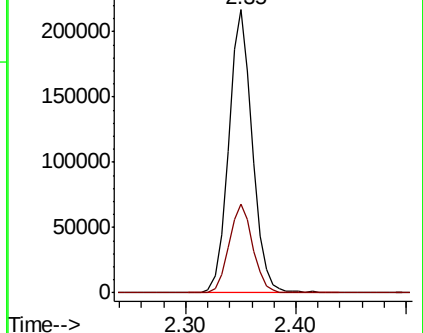
62 100

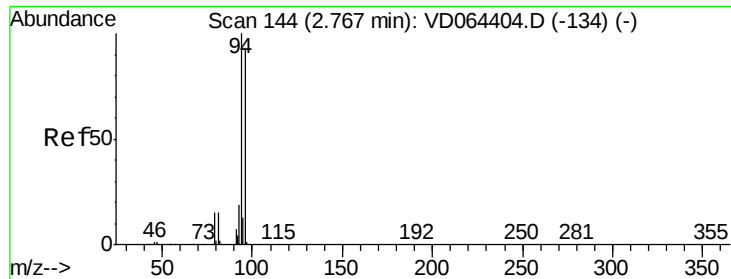
64 31.2 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 70.981 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

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Acq: 27 Nov 2019 19:18

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Tot Ion: 94 Resp: 227925

Ion Ratio Lower Upper

94 100

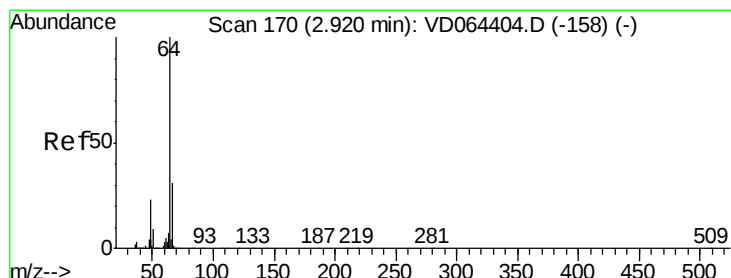
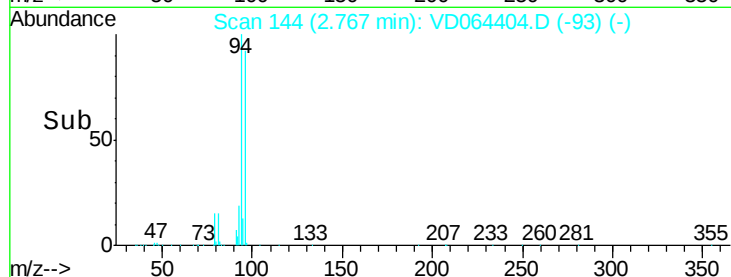
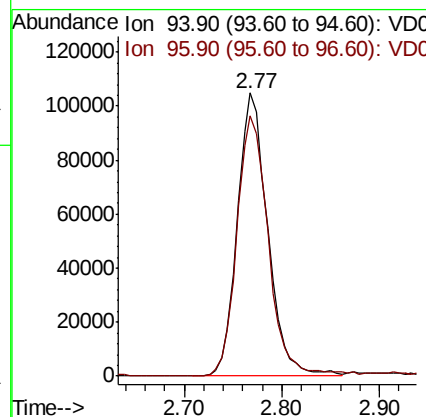
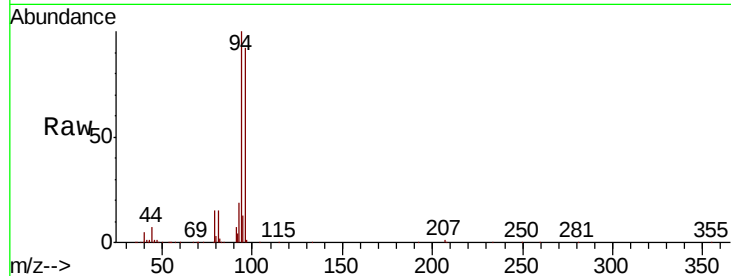
96 92.0 73.6 110.4

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#6

Chloroethane

Concen: 67.421 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064404.D

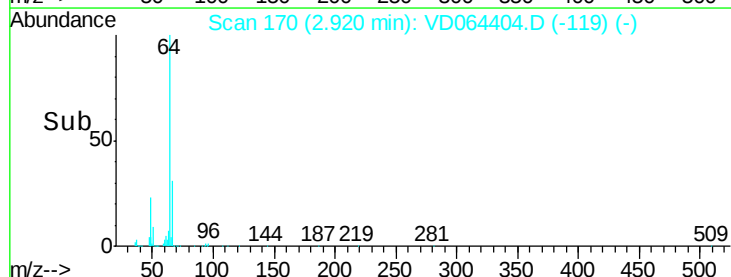
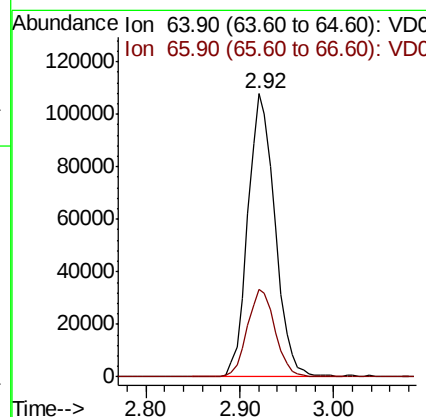
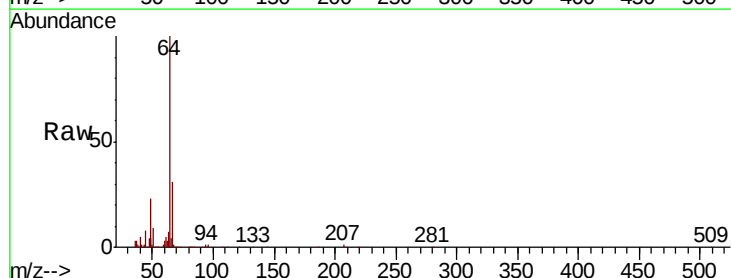
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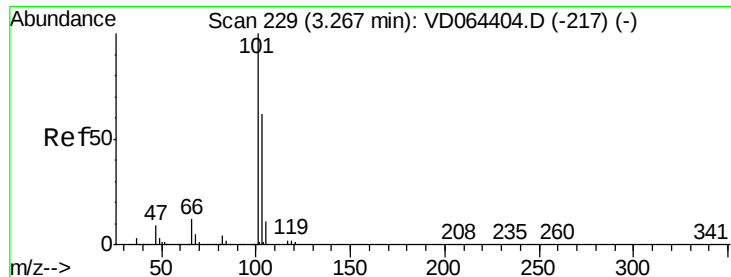
Tgt Ion: 64 Resp: 215792

Ion Ratio Lower Upper

64 100

66 30.8 24.6 37.0





#7

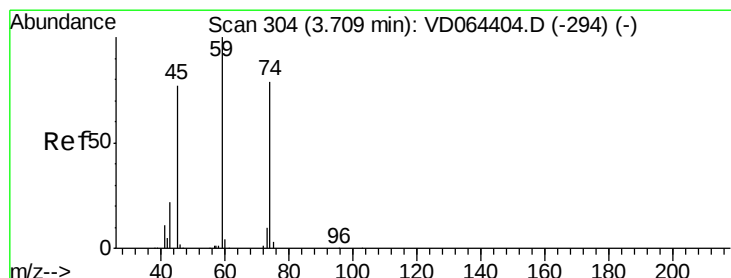
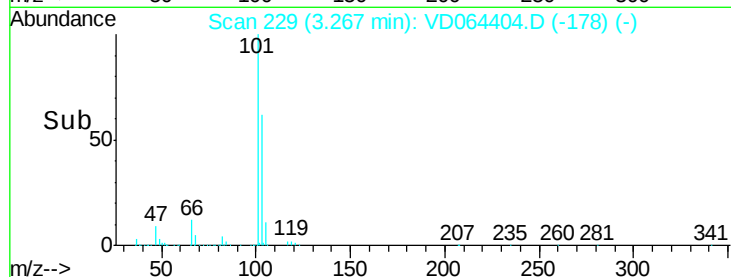
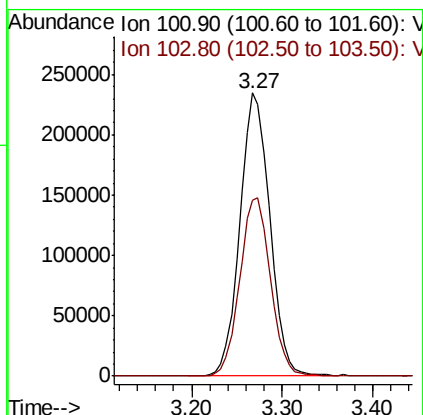
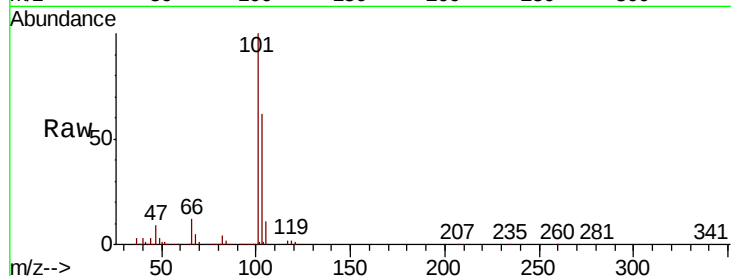
Trichlorofluoromethane
Concen: 66.441 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	49.8	74.6

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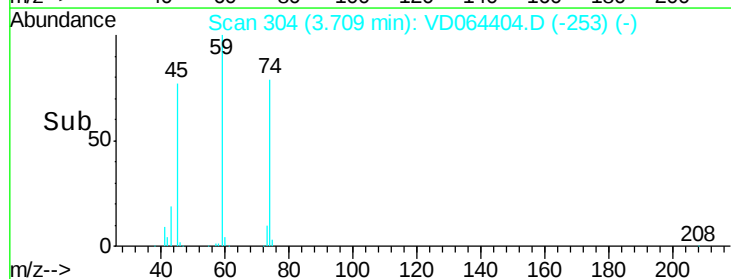
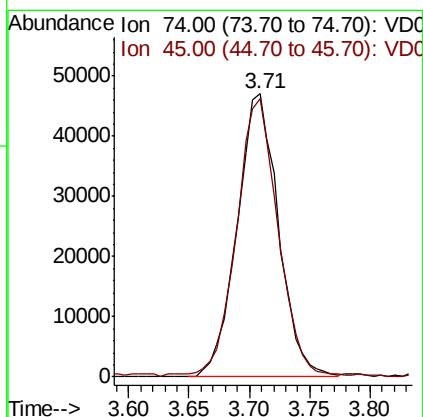
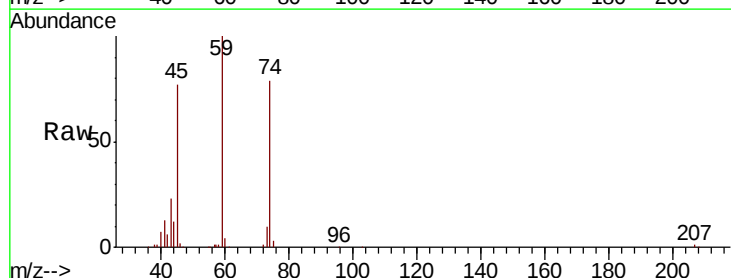
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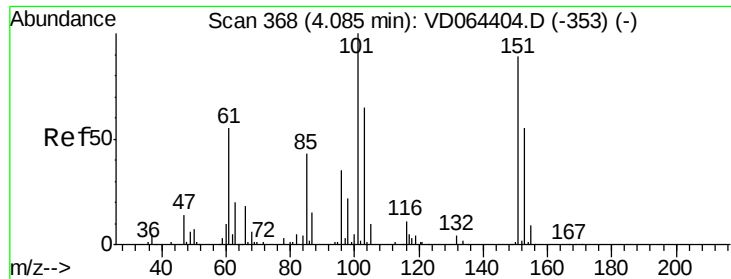


#8

Diethyl Ether
Concen: 53.114 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064404.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.064 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

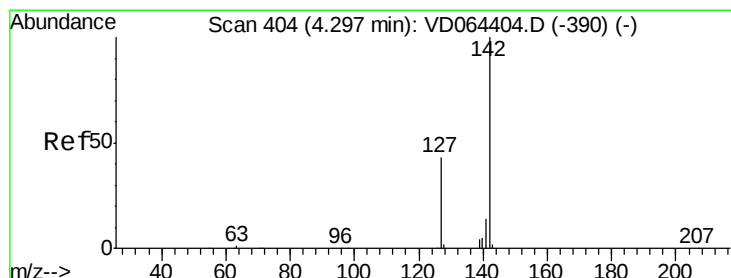
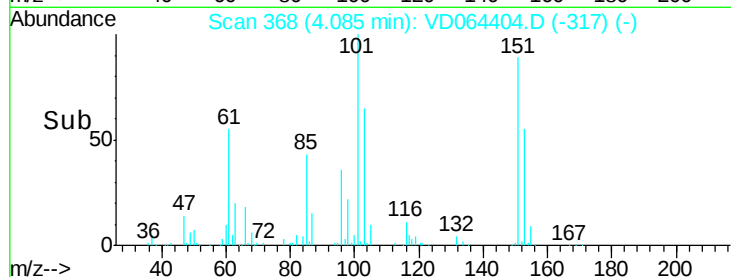
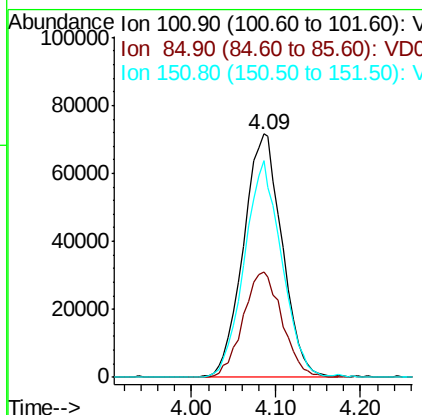
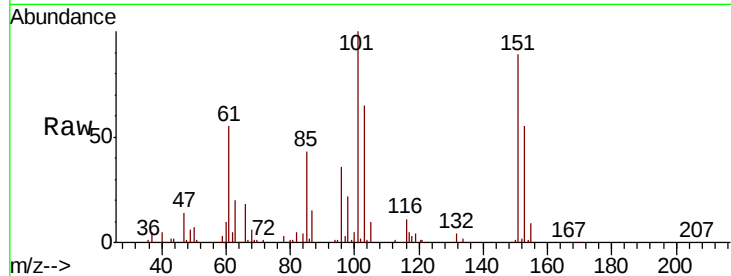
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	228397
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.8	52.2
151	86.0	68.8	103.2

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#10

Methyl Iodide

Concen: 63.185 ug/l

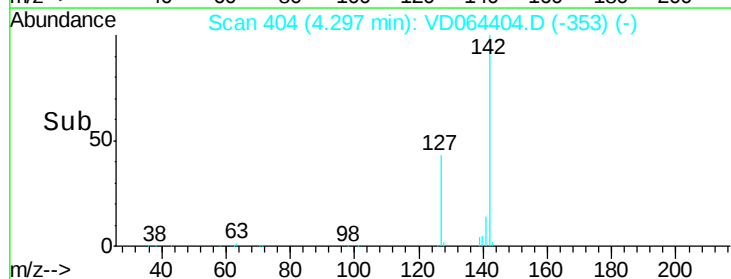
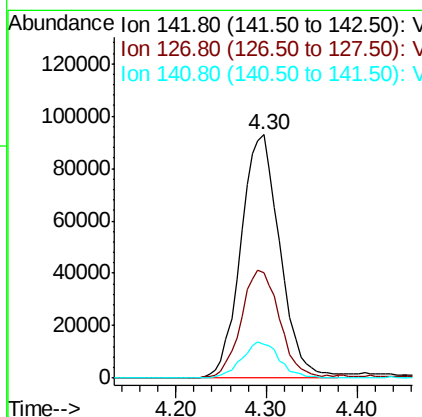
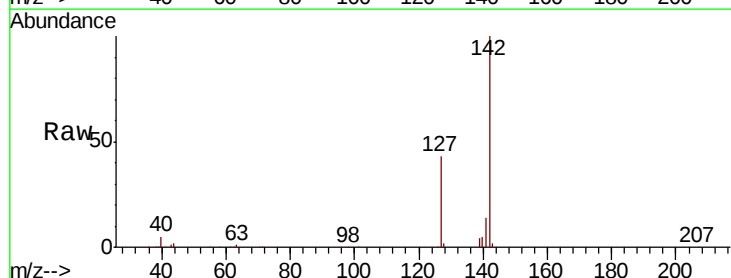
RT: 4.30 min Scan# 404

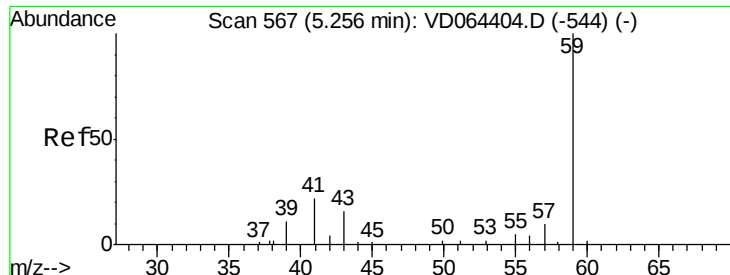
Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Tgt Ion:	142	Resp:	277588
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.3	52.9
141	14.5	11.6	17.4





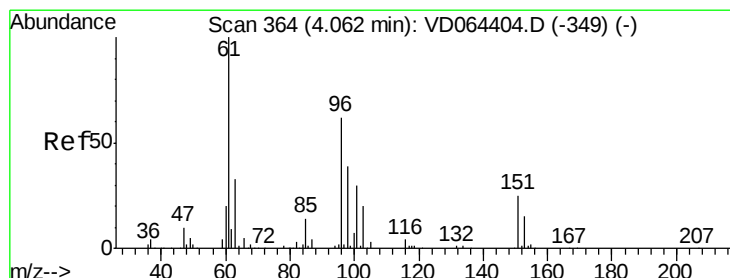
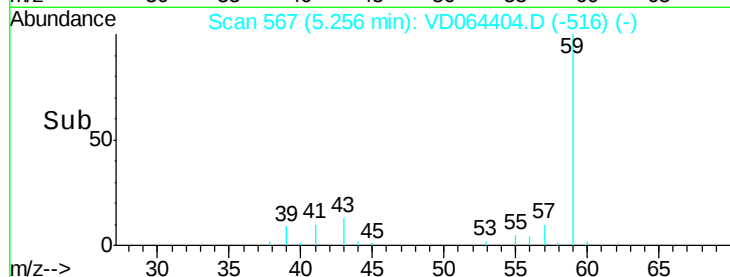
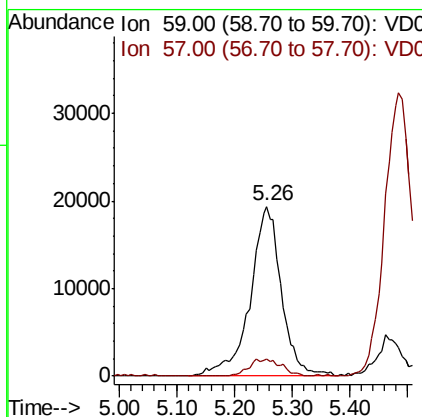
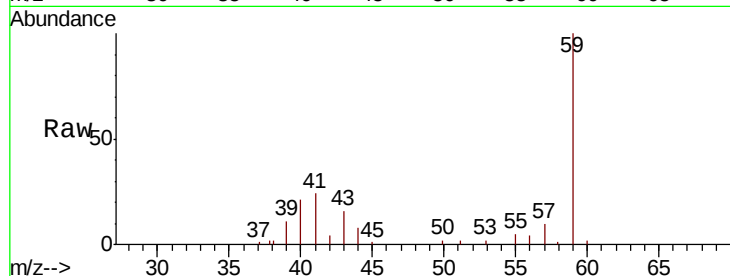
#11
Tert butyl alcohol
Concen: 259.905 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0

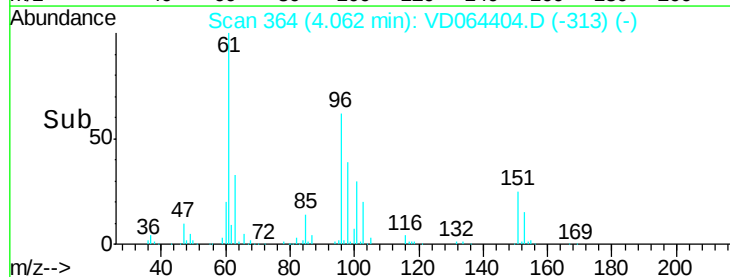
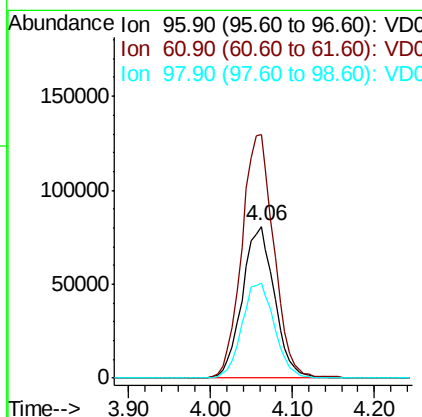
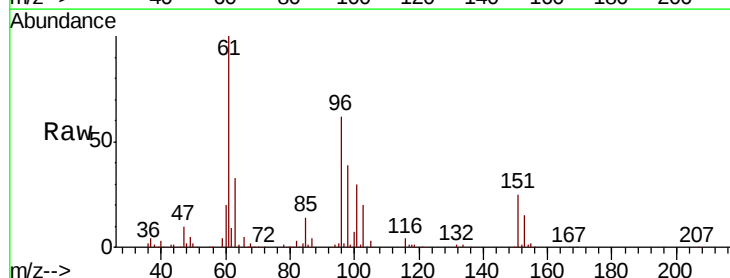
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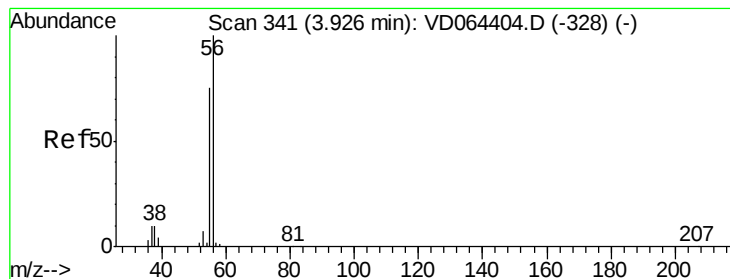
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#12
1,1-Dichloroethene
Concen: 53.026 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.3	128.2	192.4
98	63.0	50.4	75.6





#13

Acrolein

Concen: 363.707 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 92470

Ion Ratio Lower Upper

56 100

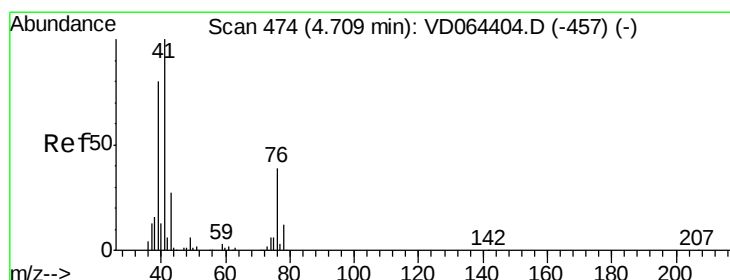
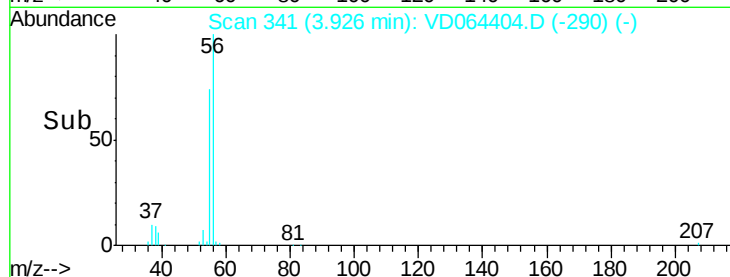
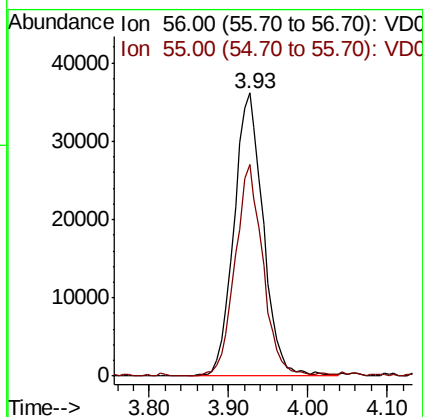
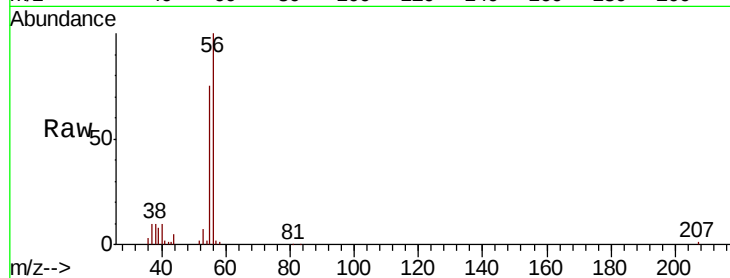
55 71.1 56.9 85.3

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#14

Allyl chloride

Concen: 48.523 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

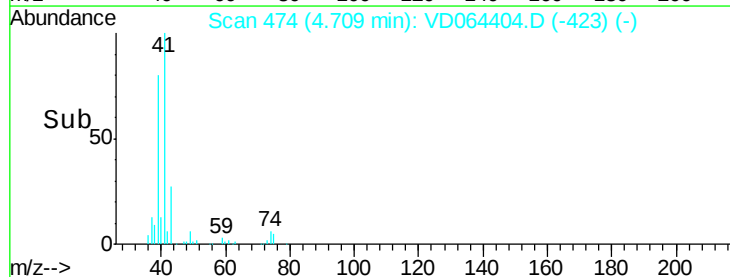
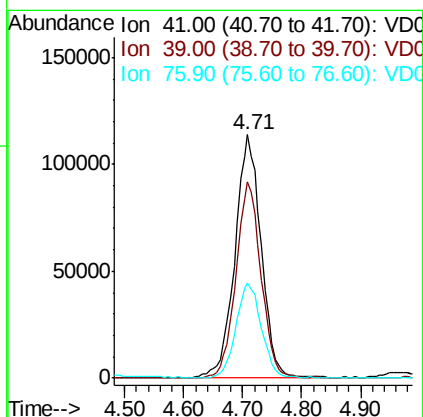
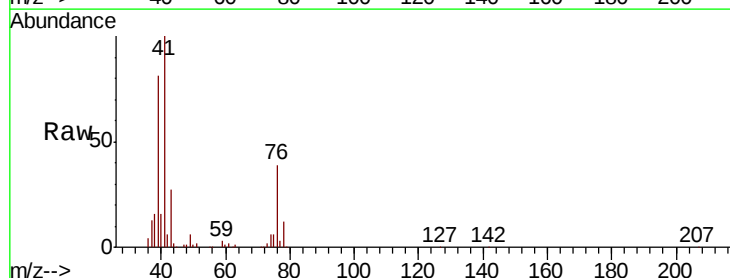
Tgt Ion: 41 Resp: 350541

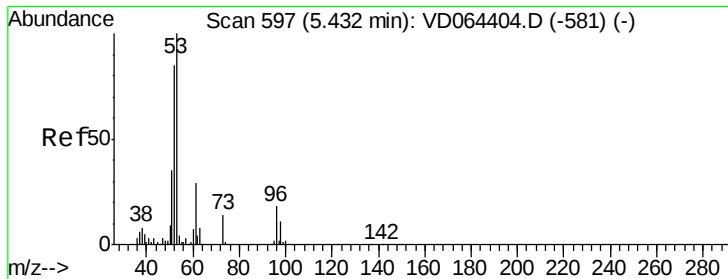
Ion Ratio Lower Upper

41 100

39 77.6 62.1 93.1

76 37.3 29.8 44.8





#15

Acrylonitrile

Concen: 270.500 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

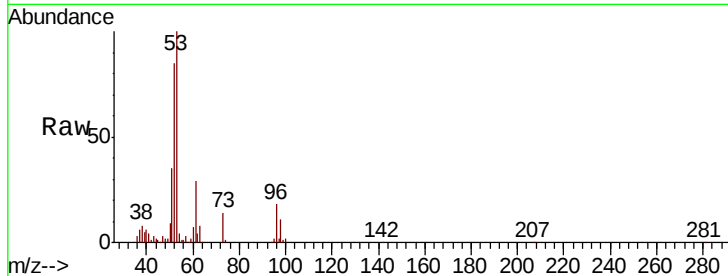
ClientSampleID :

VSTDICCC050

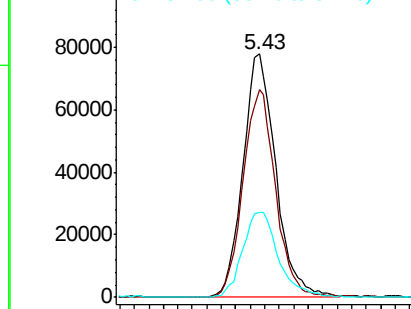
Tot Ion:	53	Resp:	244892
Ion Ratio	Lower	Upper	
53	100		
52	84.9	67.9	101.9
51	38.2	30.6	45.8

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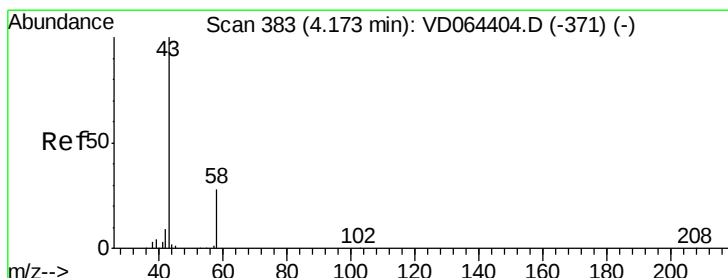
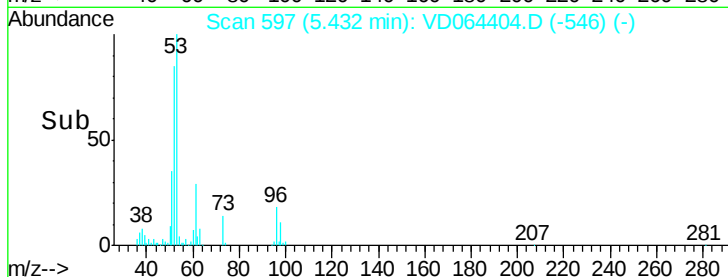
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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



Time-->



#16

Acetone

Concen: 253.832 ug/l

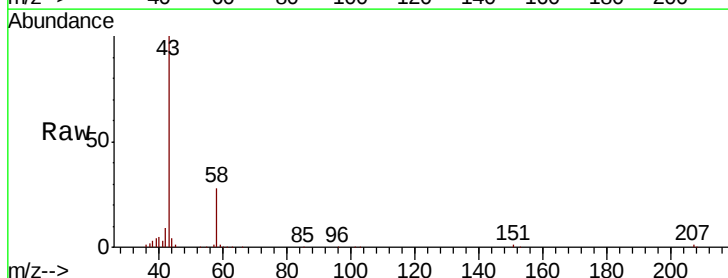
RT: 4.17 min Scan# 383

Delta R.T. 0.00 min

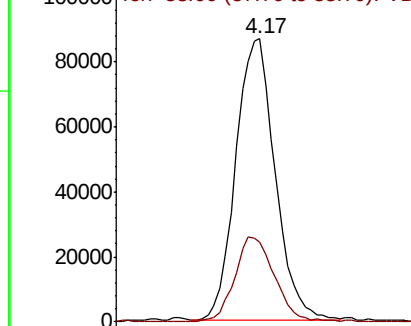
Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

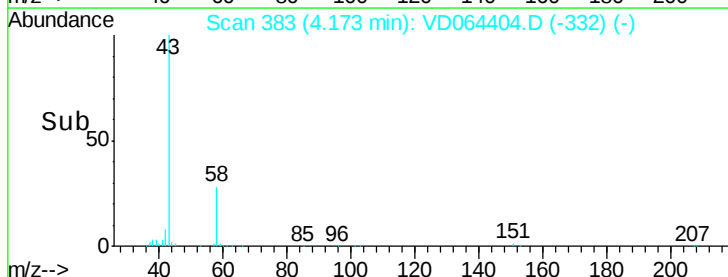
Tgt Ion:	43	Resp:	241267
Ion Ratio	Lower	Upper	
43	100		
58	28.2	22.6	33.8

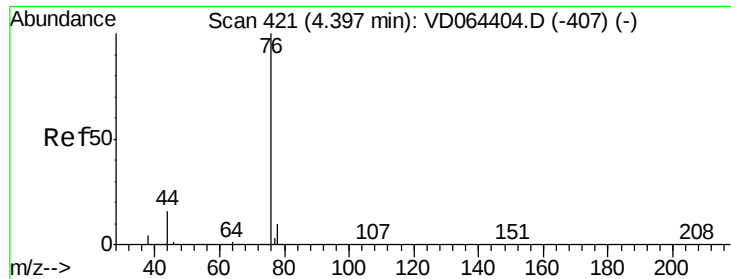


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC



Time-->





#17

Carbon Disulfide

Concen: 54.850 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 716142

Ion Ratio Lower Upper

76 100

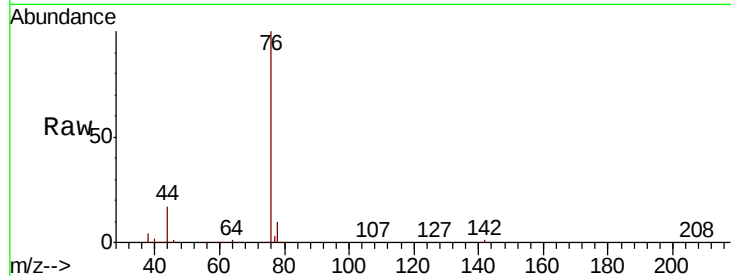
78 9.8 7.8 11.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

250000

200000

150000

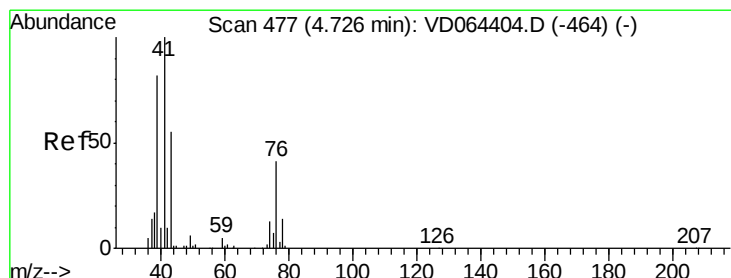
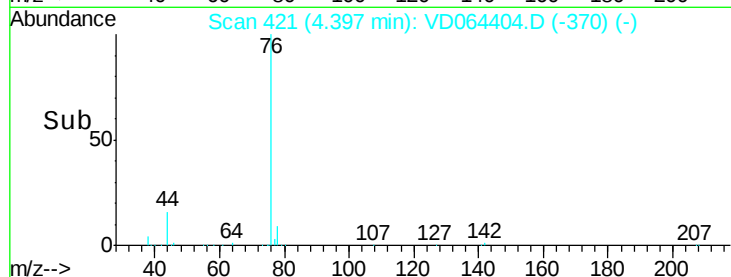
100000

50000

0

4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 47.888 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064404.D

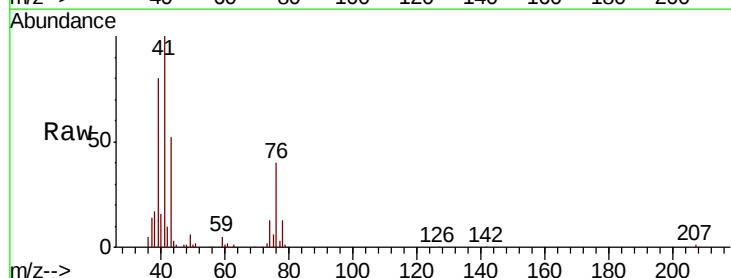
Acq: 27 Nov 2019 19:18

Tgt Ion: 43 Resp: 128047

Ion Ratio Lower Upper

43 100

74 24.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

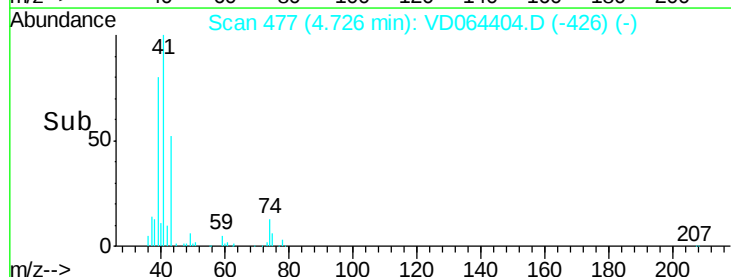
20000

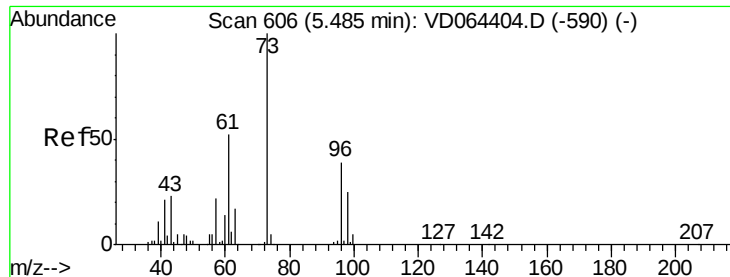
10000

0

4.60 4.70 4.80

Time-->





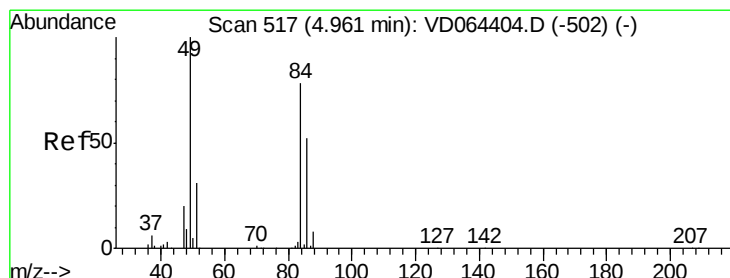
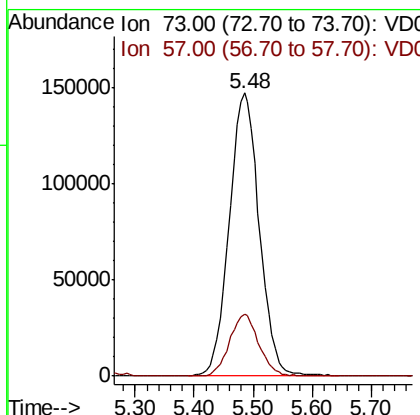
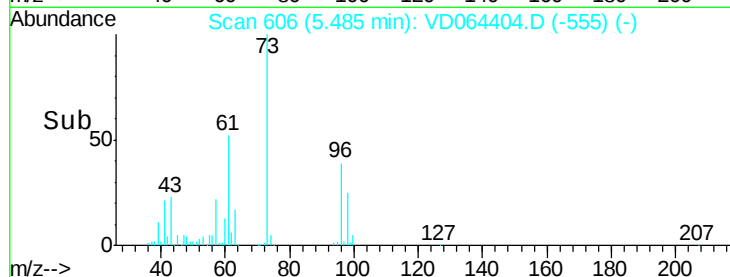
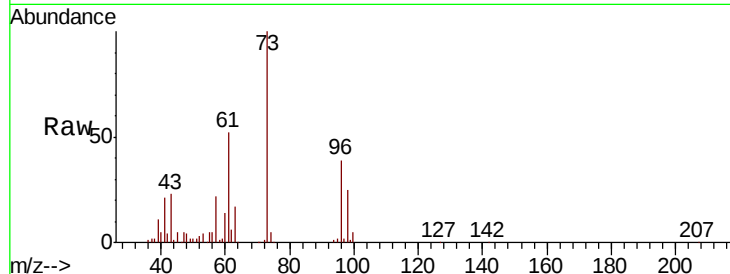
#19
Methvl tert-butvl Ether
Concen: 52.550 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 522372
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

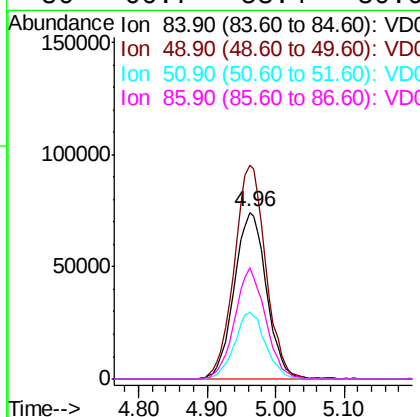
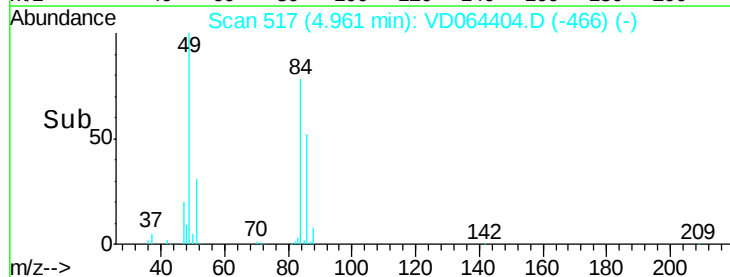
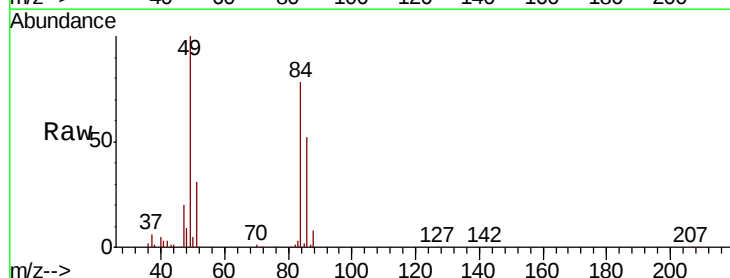
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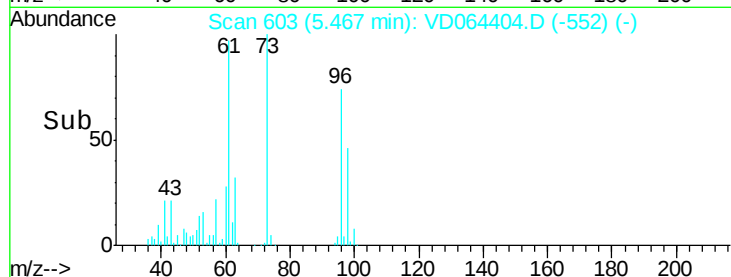
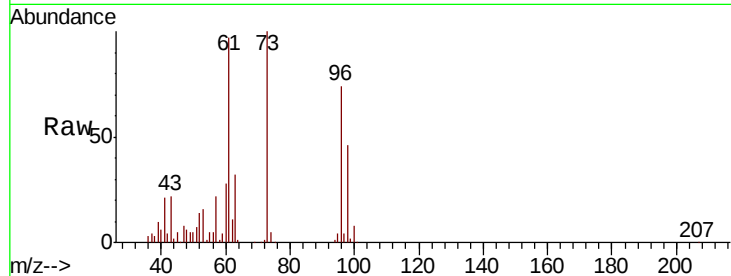
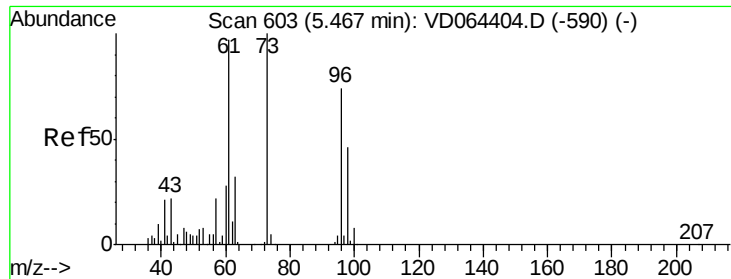
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#20
Methylene Chloride
Concen: 49.515 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion: 84 Resp: 242615
Ion Ratio Lower Upper
84 100
49 128.2 102.6 153.8
51 40.0 32.0 48.0
86 66.7 53.4 80.0





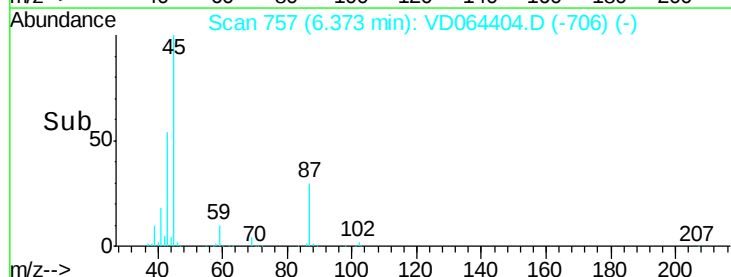
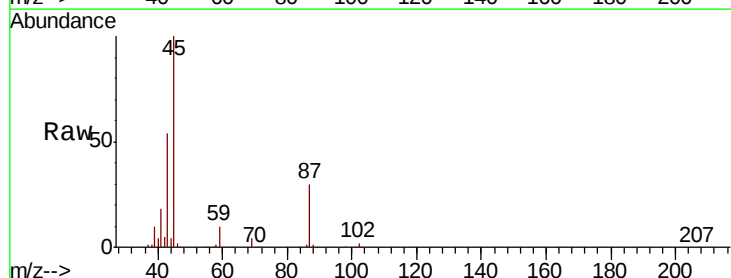
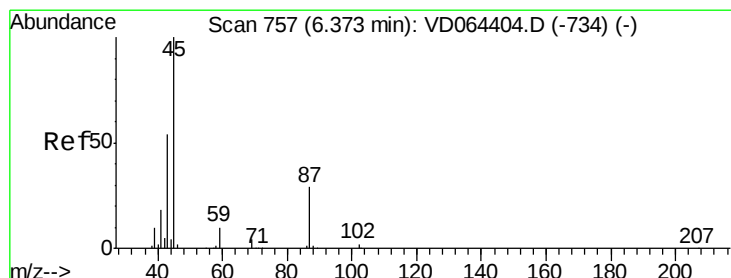
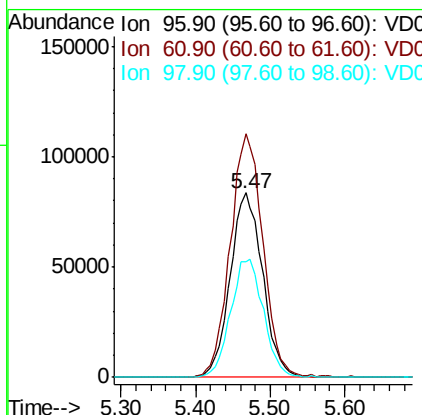
#21
trans-1,2-Dichloroethene
Concen: 53.328 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.2	105.8	158.6
98	62.6	50.1	75.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

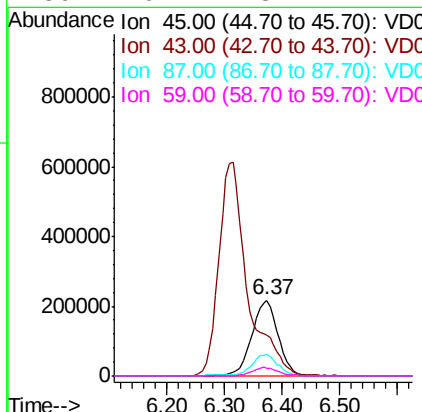
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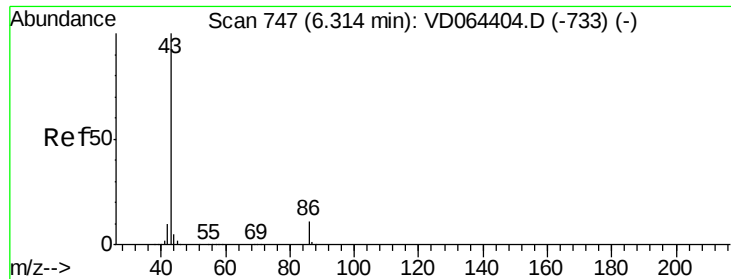
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#22
Diisopropyl ether
Concen: 51.211 ug/l
RT: 6.37 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.9	43.1	64.7
87	29.4	23.5	35.3
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 275.908 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2108946

Ion Ratio Lower Upper

43 100

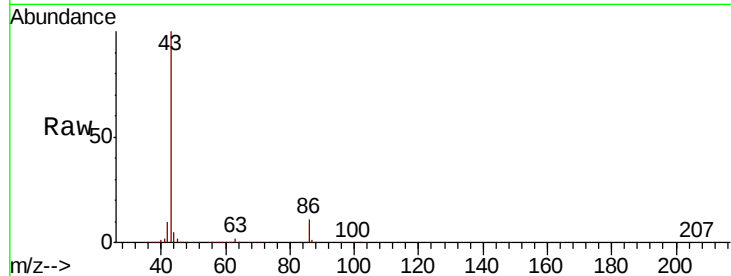
86 11.1 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

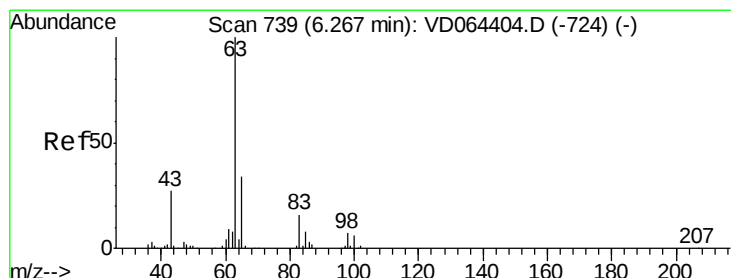
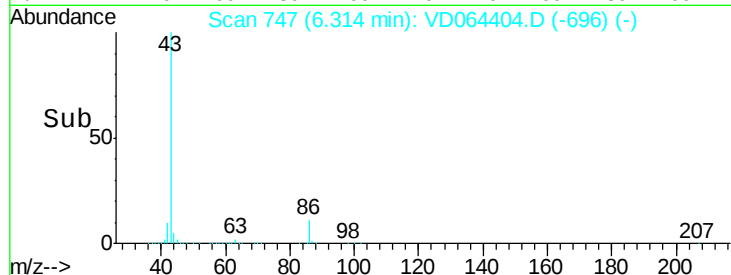
600000

400000

200000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 52.927 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

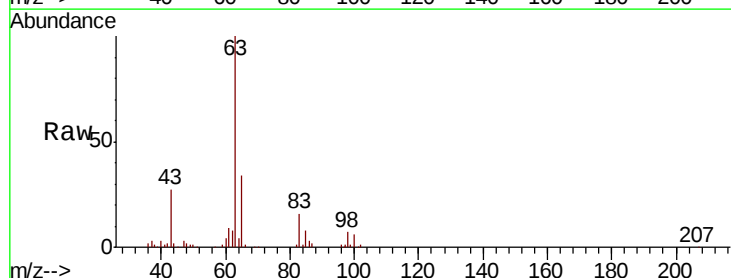
Tgt Ion: 63 Resp: 419865

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 5.7 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

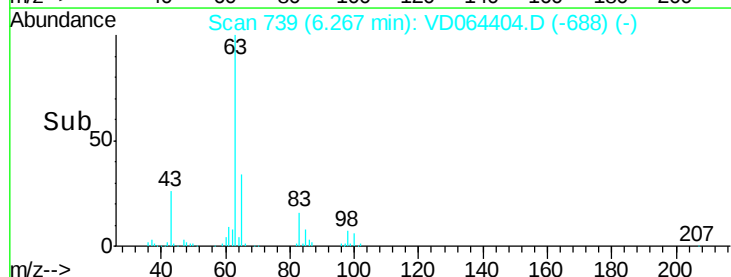
150000

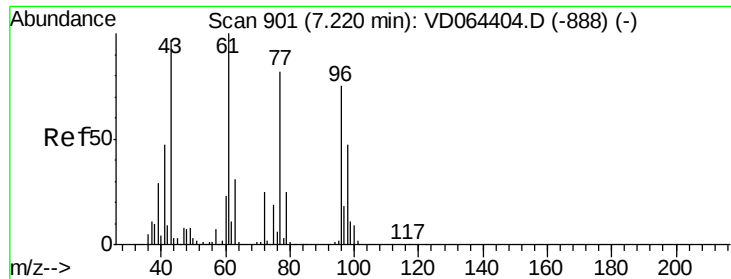
100000

50000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 263.005 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 328059

Ion Ratio Lower Upper

43 100

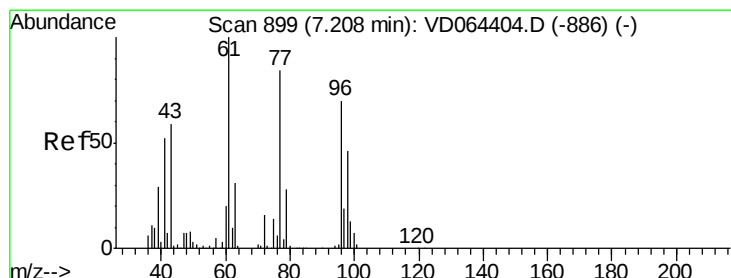
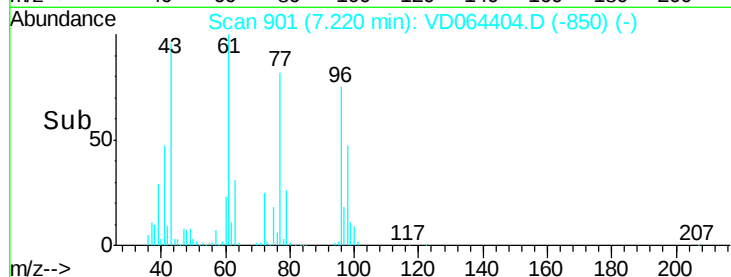
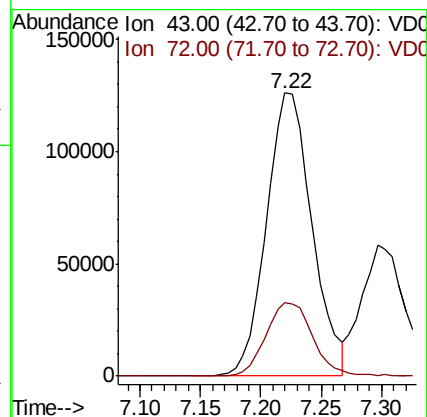
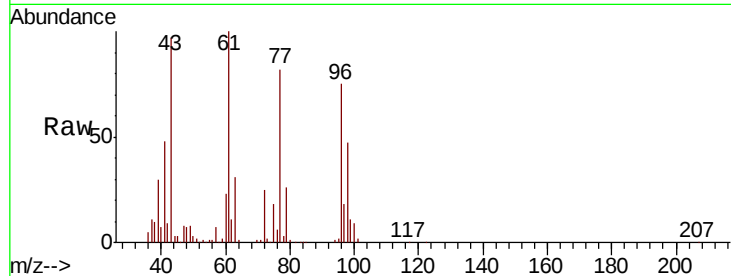
72 26.2 21.0 31.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.140 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064404.D

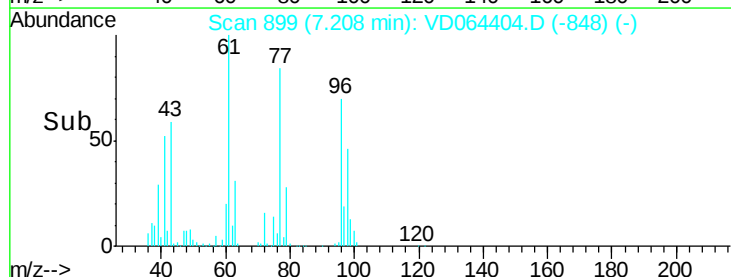
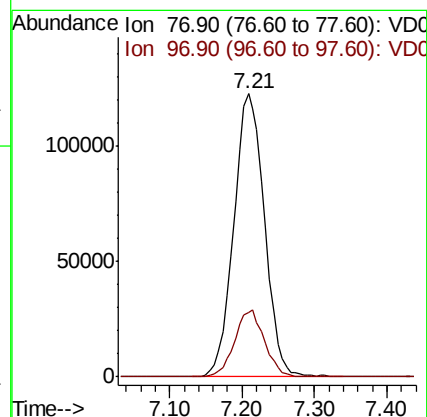
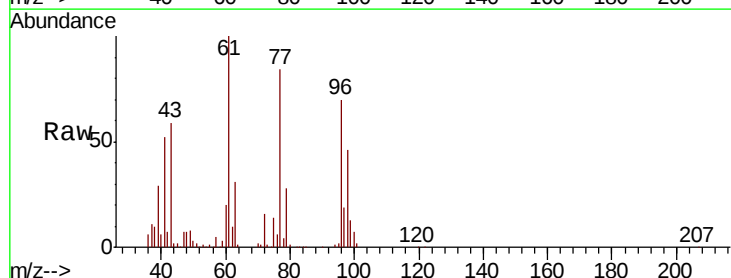
Acq: 27 Nov 2019 19:18

Tgt Ion: 77 Resp: 359672

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7





#27

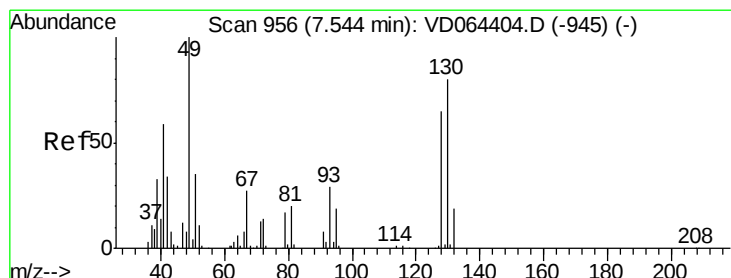
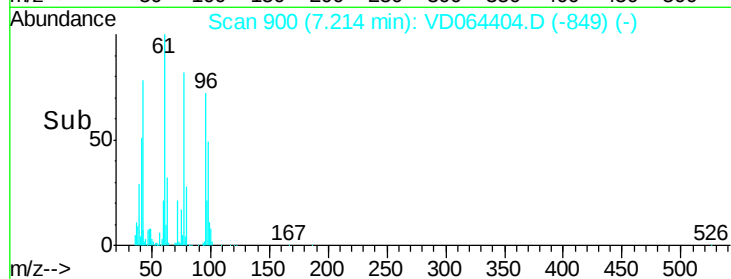
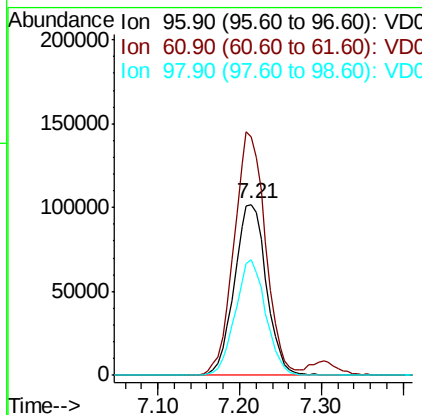
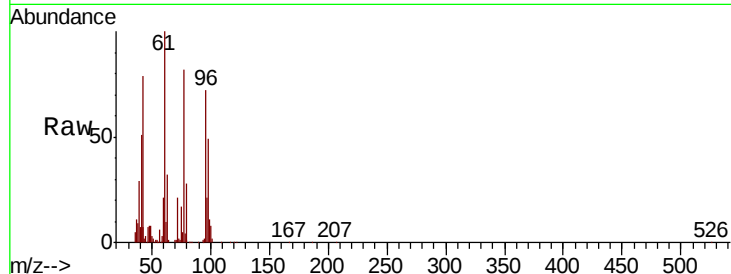
cis-1,2-Dichloroethene
 Concen: 54.290 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	279.6
98	64.6	0.0	129.2

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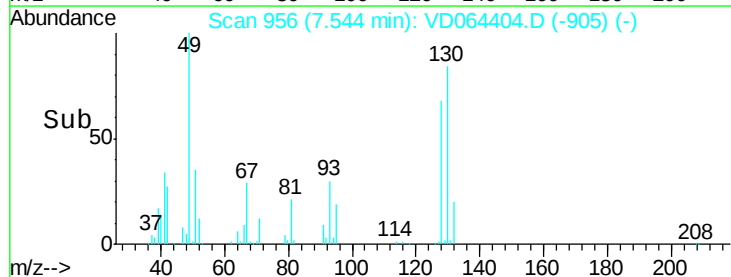
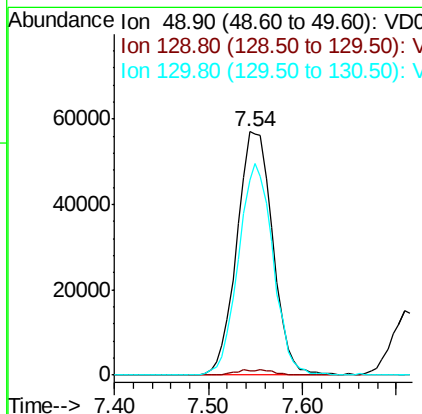
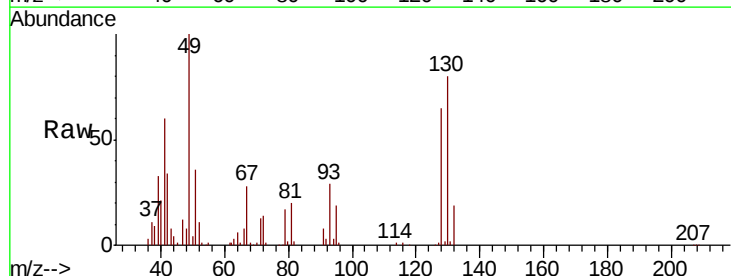
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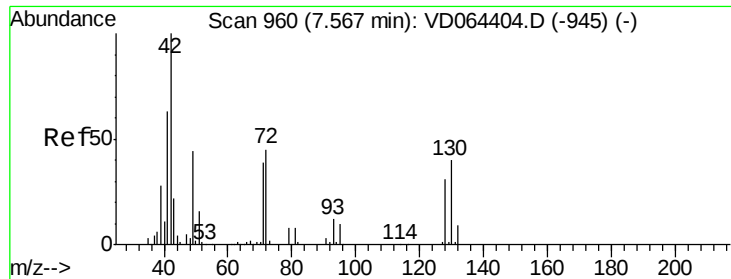


#28

Bromochloromethane
 Concen: 54.765 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	84.2	67.4	101.0





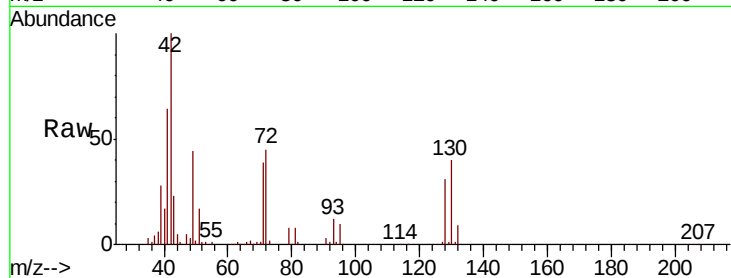
#29
Tetrahydrofuran
Concen: 267.642 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

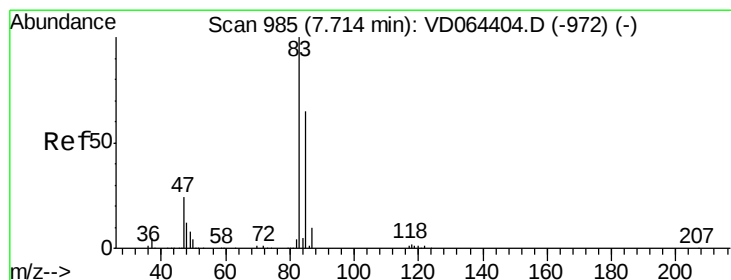
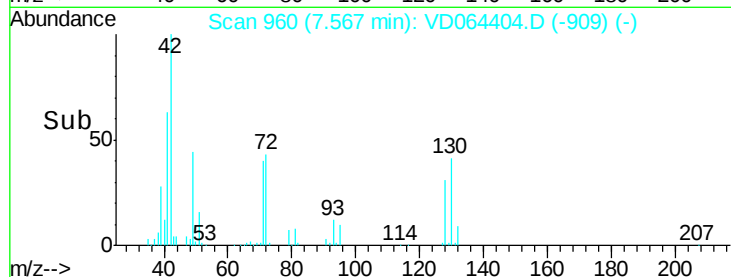
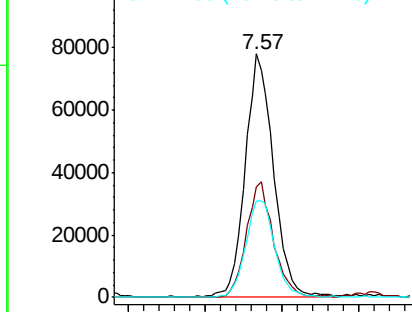
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.8	53.8
71	40.9	32.7	49.1

Manual Integrations
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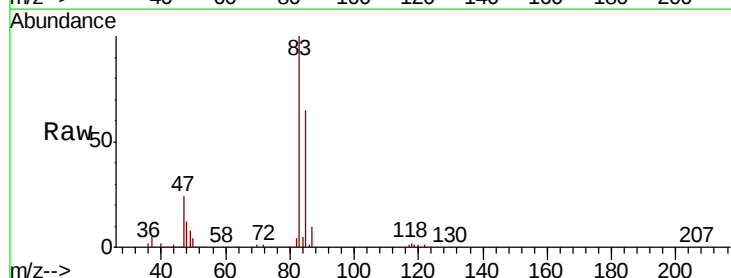


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

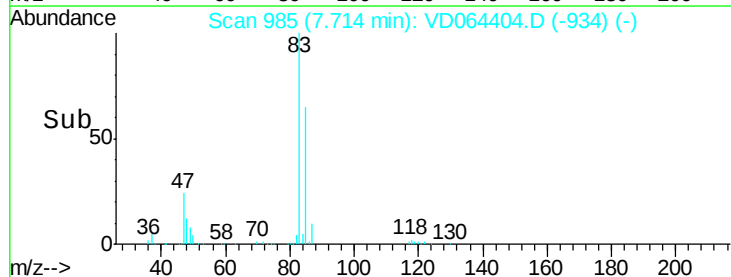
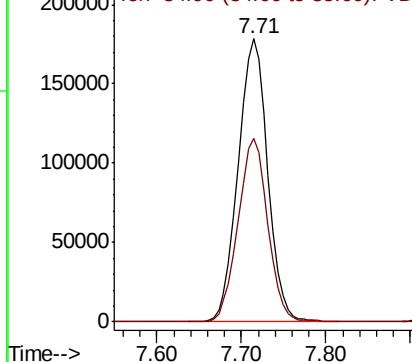


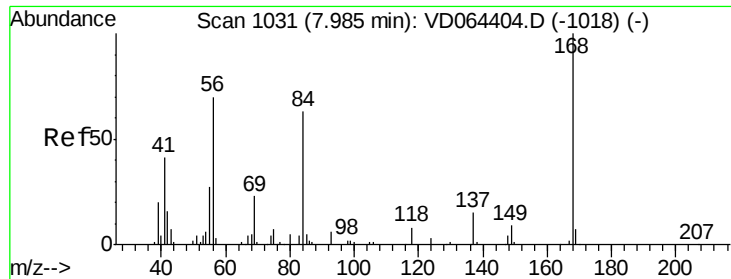
#30
Chloroform
Concen: 53.226 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





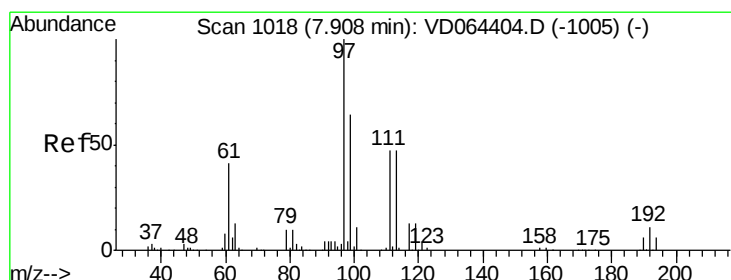
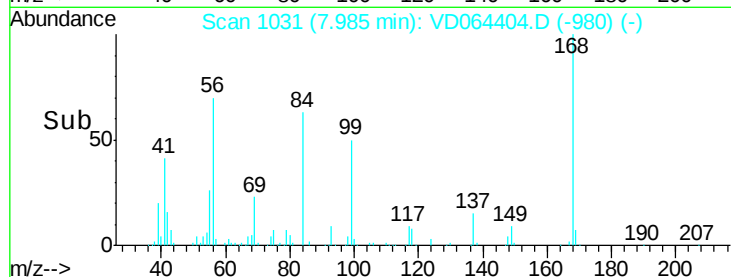
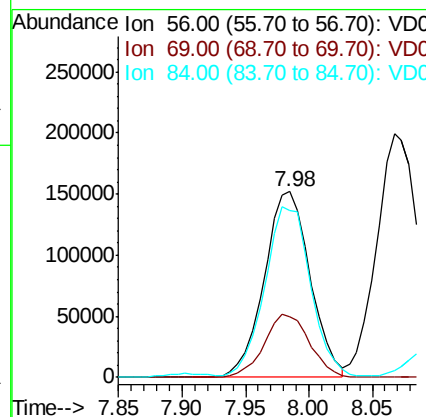
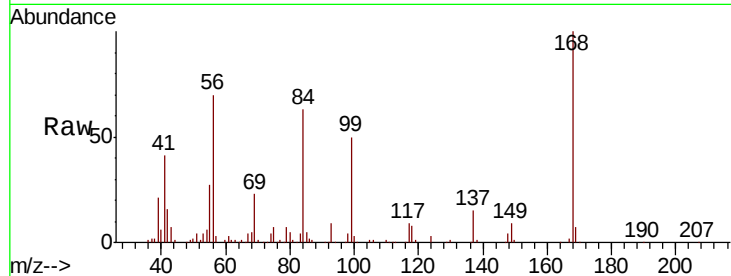
#31
Cyclohexane
Concen: 48.075 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.2	39.4
84	87.9	70.3	105.5

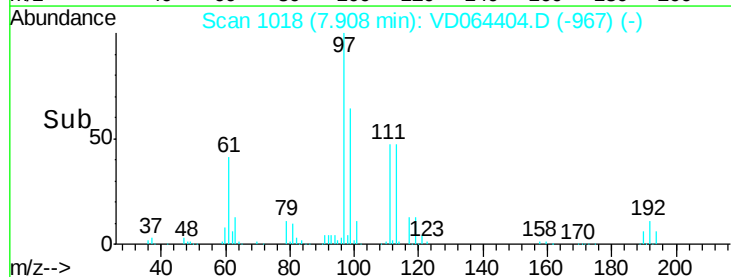
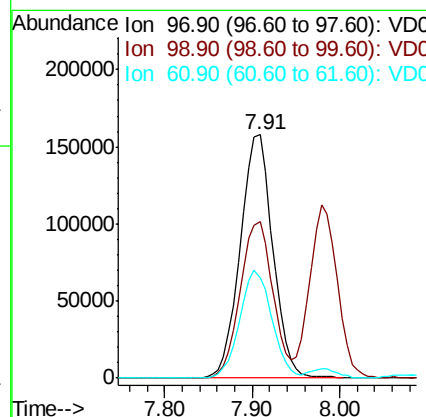
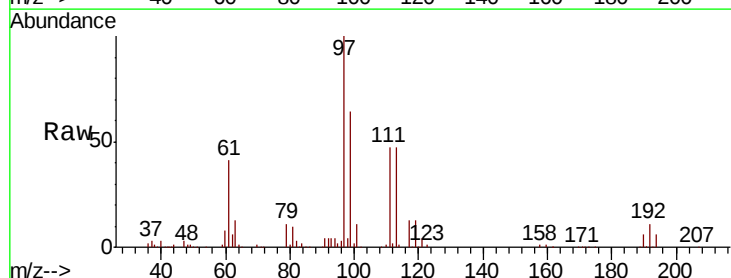
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#32
1,1,1-Trichloroethane
Concen: 51.380 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	43.7	35.0	52.4





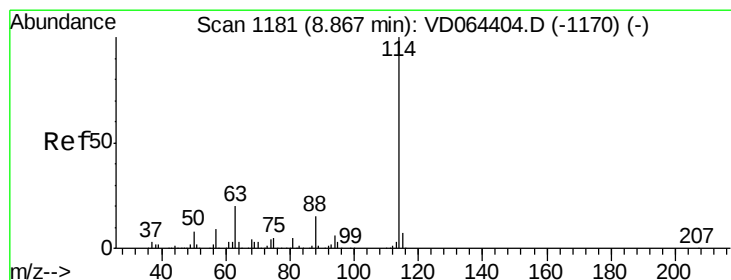
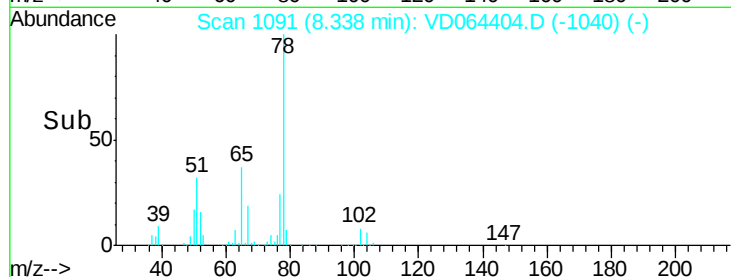
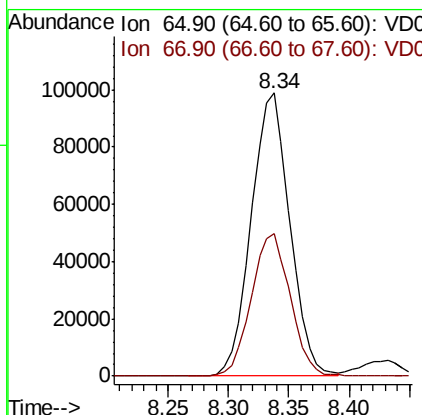
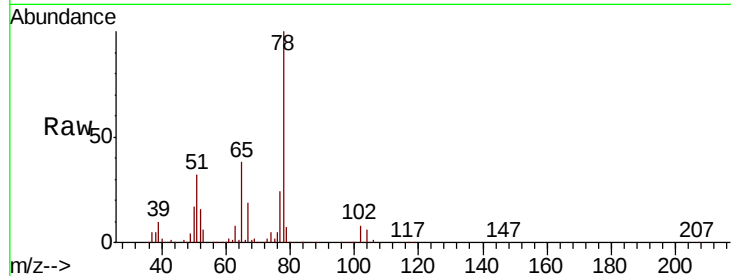
#33
 1,2-Dichloroethane-d4
 Concen: 54.092 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	219329		
67	51.0	0.0	102.0	

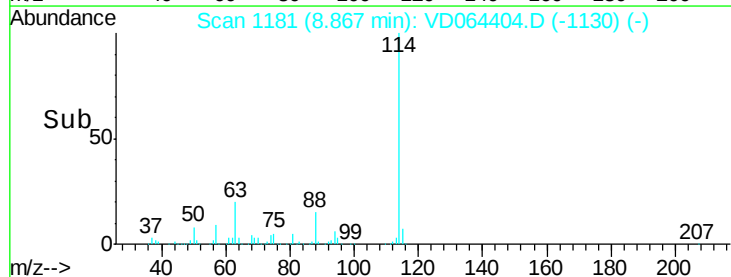
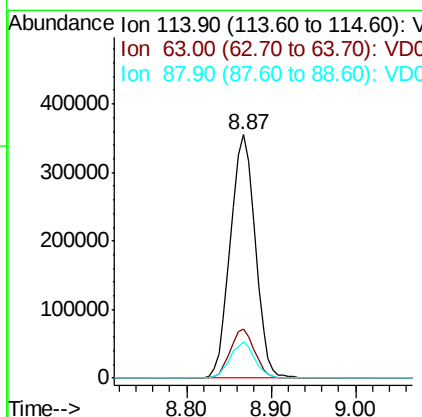
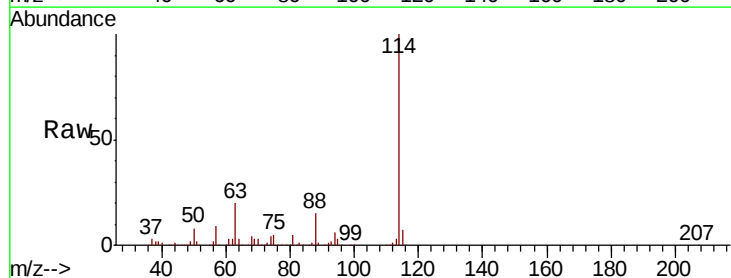
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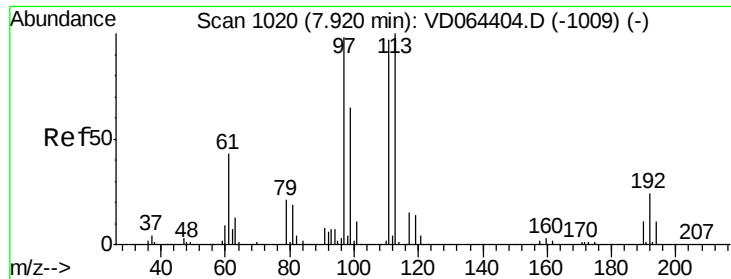
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	720405		
63	20.0	0.0	40.0	
88	14.6	0.0	29.2	





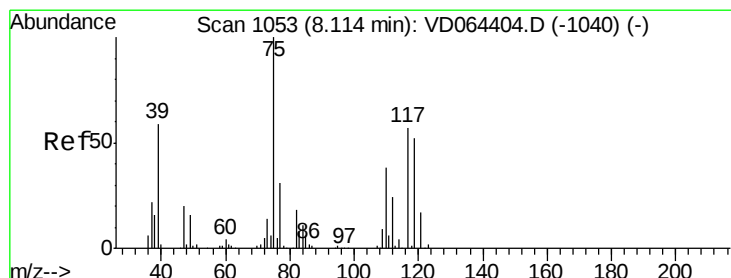
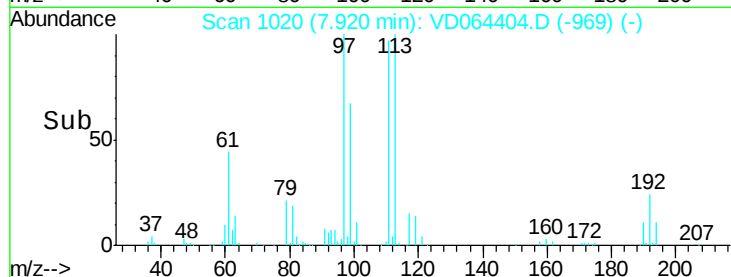
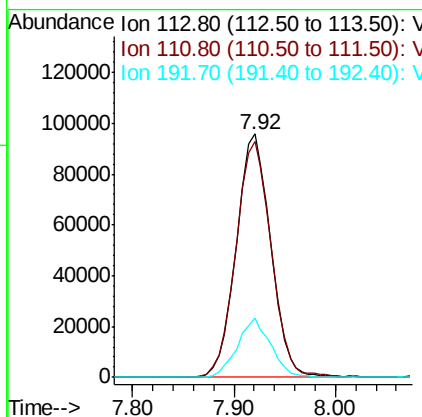
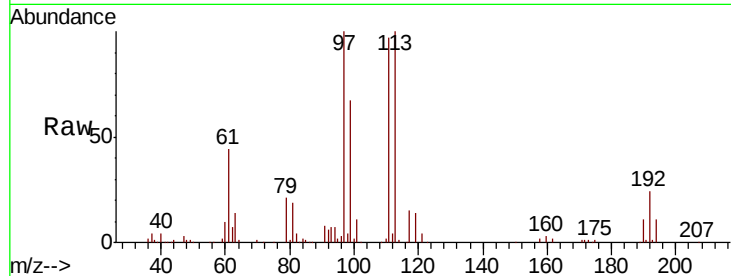
#35
 Dibromofluoromethane
 Concen: 54.700 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.3	79.4	119.2
192	23.3	18.6	28.0

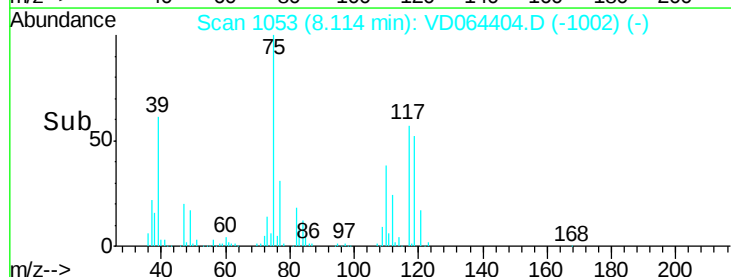
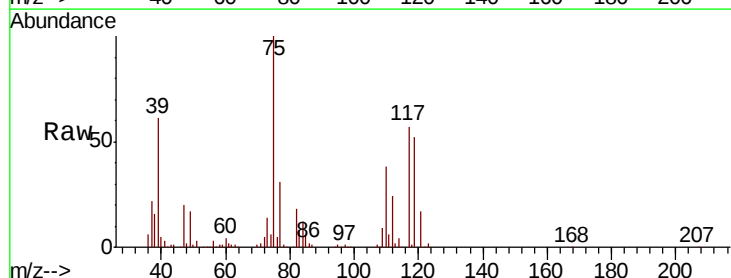
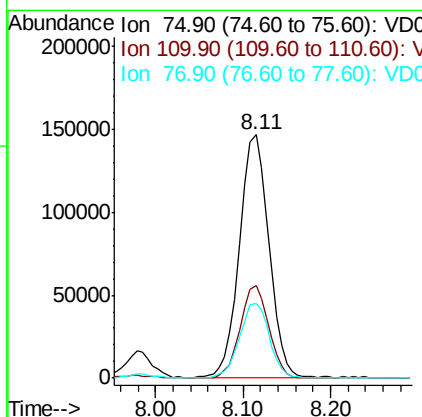
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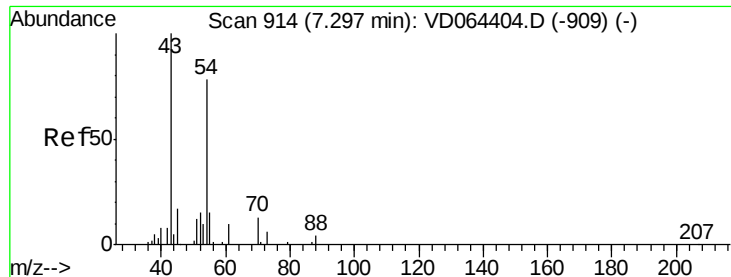
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#36
 1,1-Dichloropropene
 Concen: 50.527 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.6	55.8
77	31.2	25.0	37.4





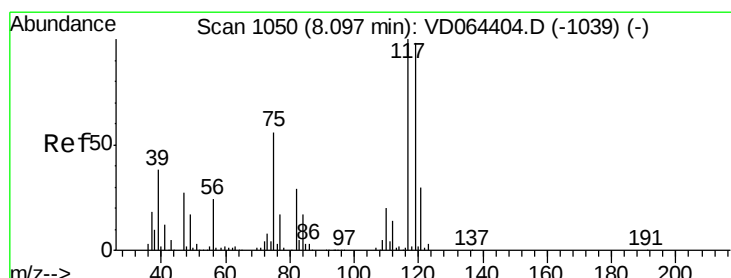
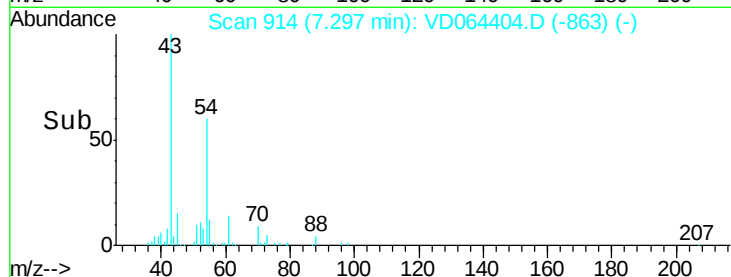
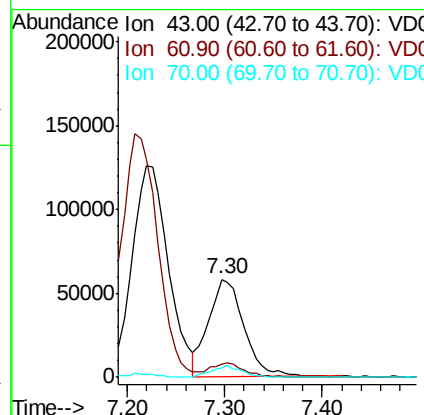
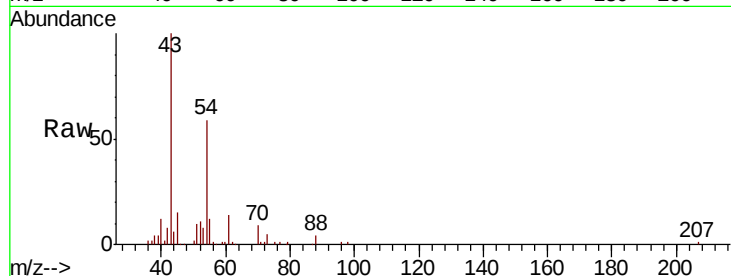
#37
Ethyl Acetate
Concen: 51.899 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	10.4	8.3	12.5

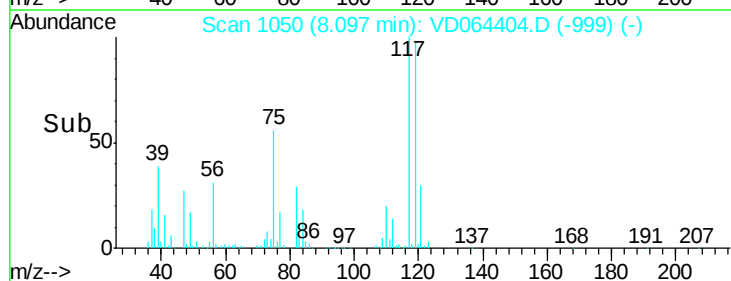
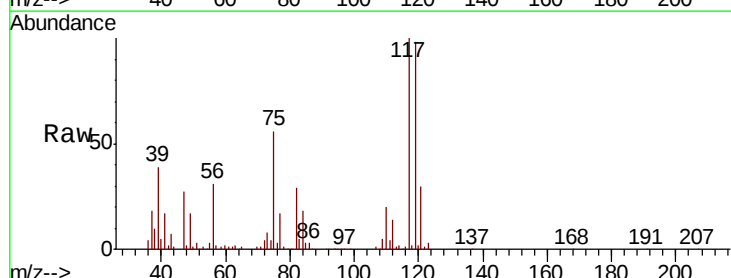
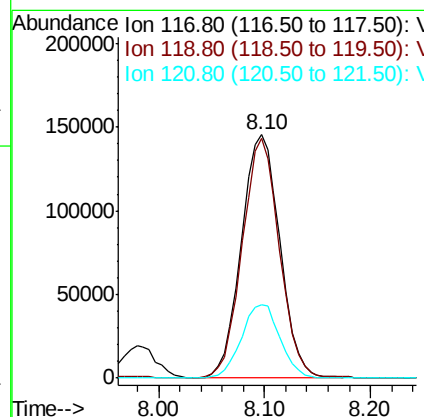
Manual Integrations
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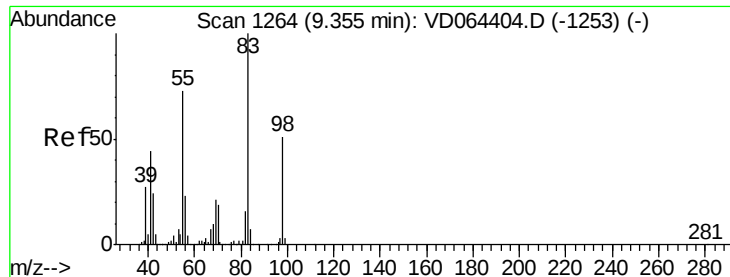
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#38
Carbon Tetrachloride
Concen: 51.600 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	78.8	118.2
121	30.2	24.2	36.2





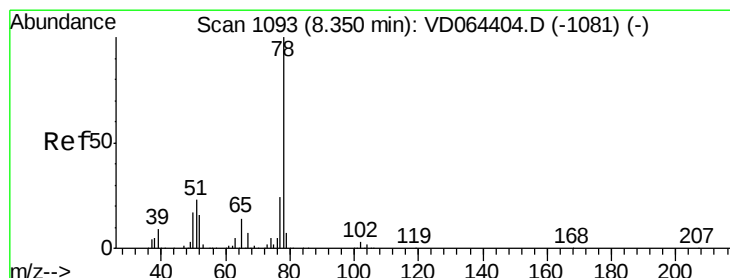
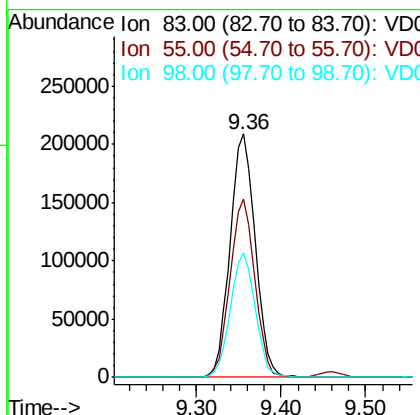
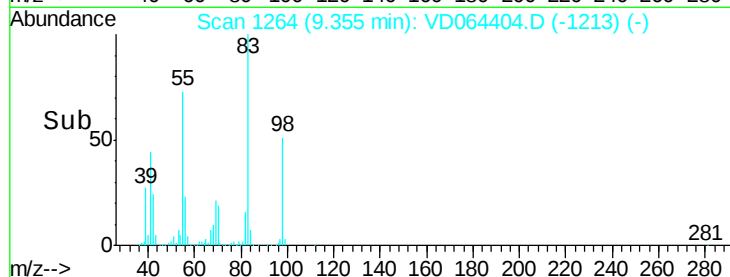
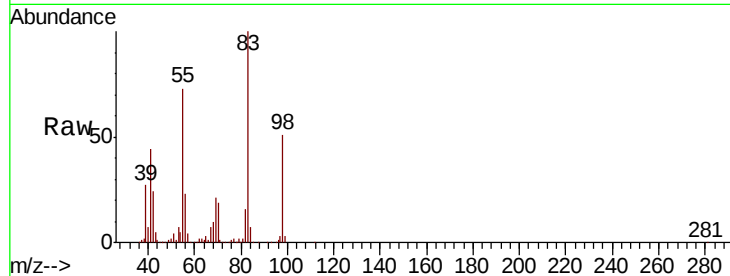
#39
Methvlcvclohexane
Concen: 51.033 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	58.6	87.8
98	51.1	40.9	61.3

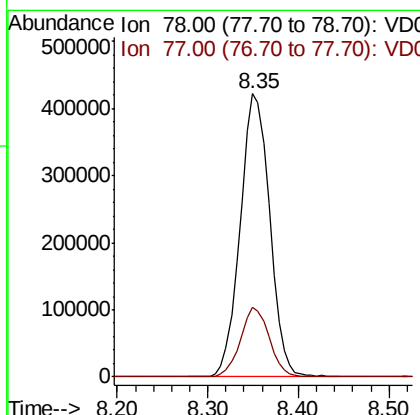
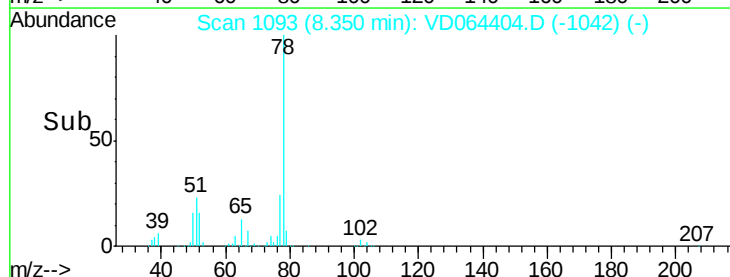
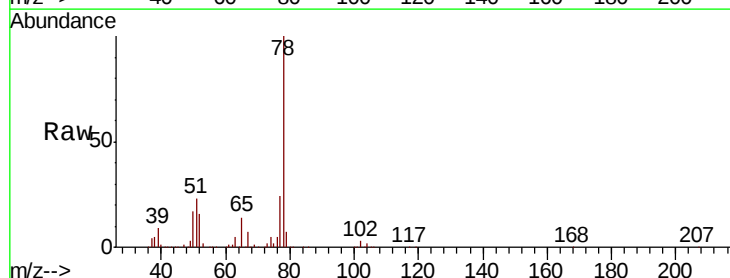
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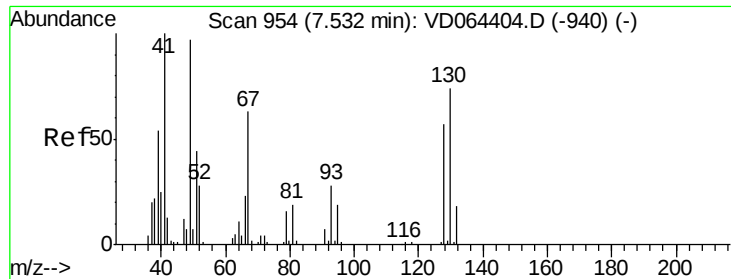
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#40
Benzene
Concen: 52.613 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.6	29.4





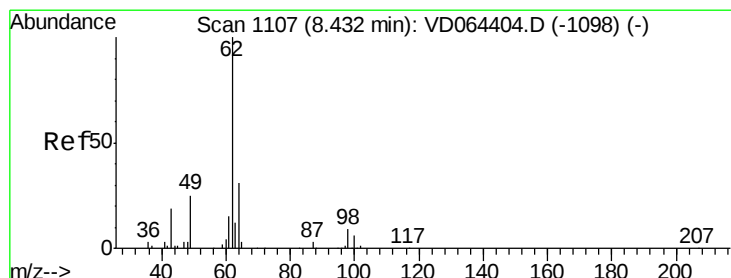
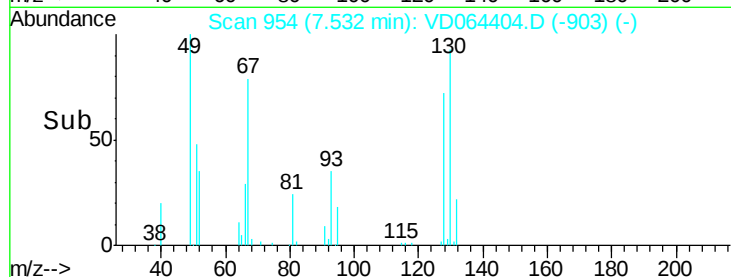
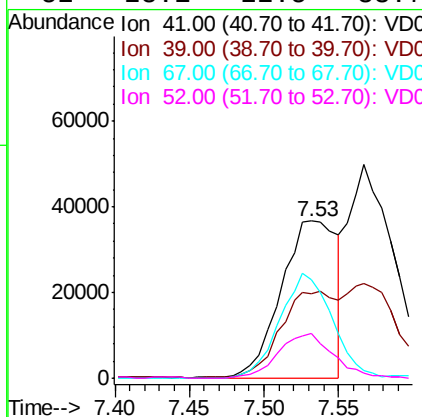
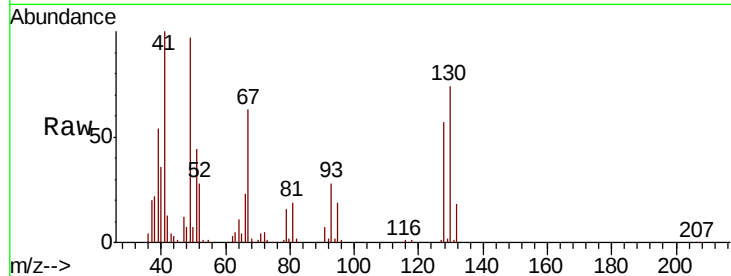
#41
Methacrylonitrile
Concen: 54.420 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	95791
Ion	Ratio	Lower	Upper
41	100		
39	55.8	44.6	67.0
67	63.6	50.9	76.3
52	28.1	22.5	33.7

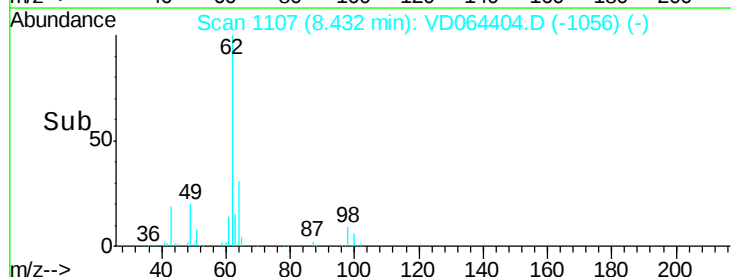
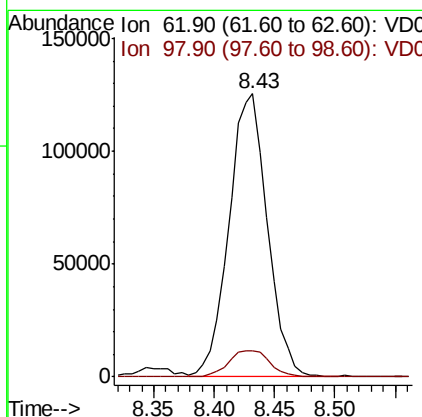
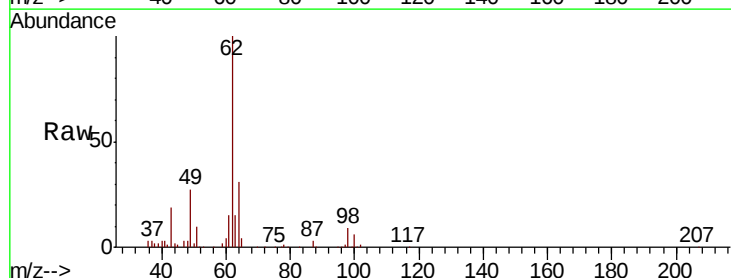
Manual Integrations
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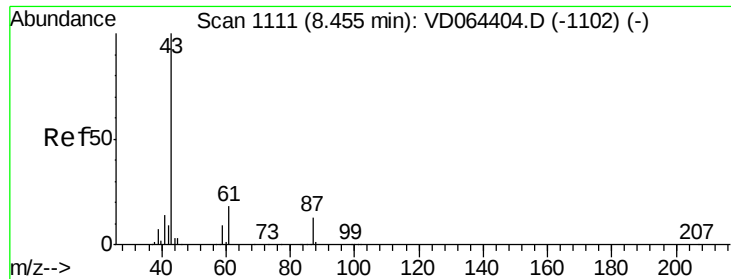
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#42
1,2-Dichloroethane
Concen: 50.794 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion	62	Resp	276183
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 50.722 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

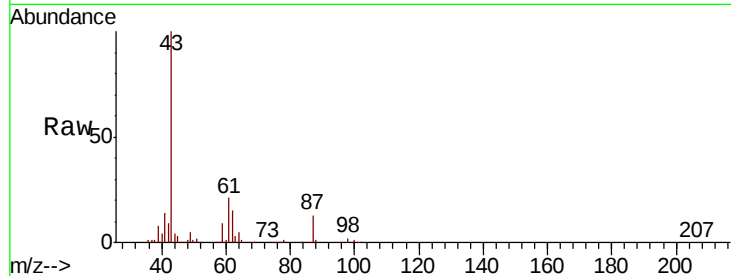
ClientSampleId :

VSTDICCC050

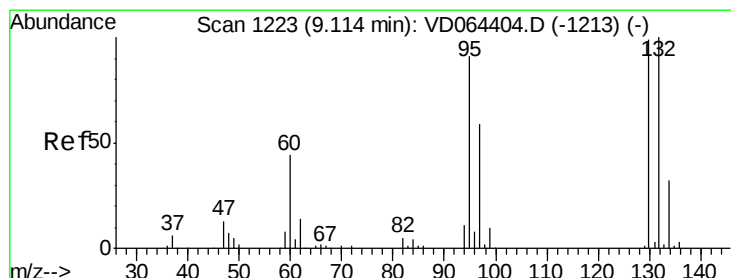
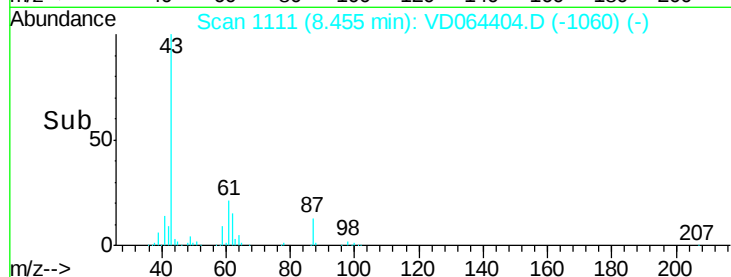
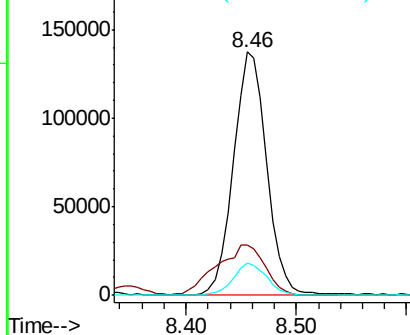
Tot Ion:	43	Resp:	291519
Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.0	36.0
87	13.2	10.6	15.8

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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.590 ug/l

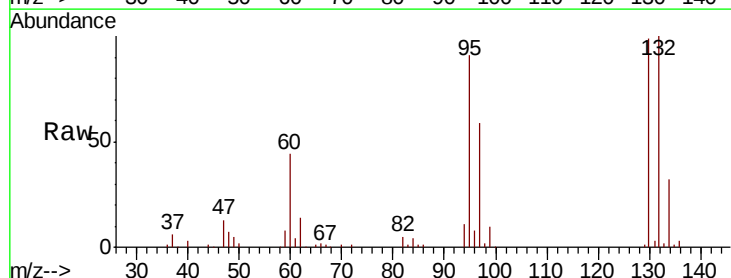
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

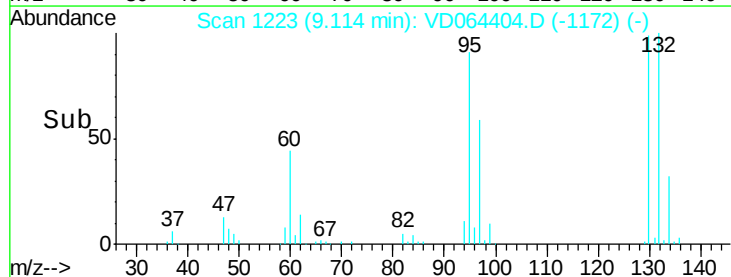
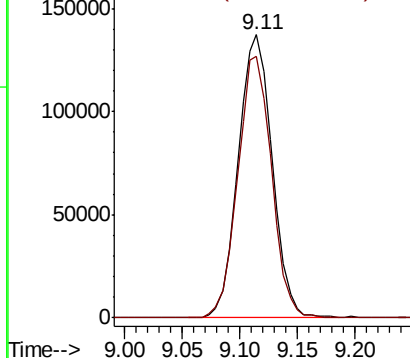
Lab File: VD064404.D

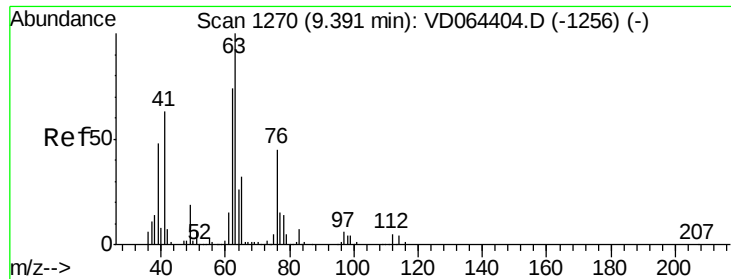
Acq: 27 Nov 2019 19:18

Tgt Ion:	130	Resp:	280580
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.695 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 233591

Ion Ratio Lower Upper

63 100

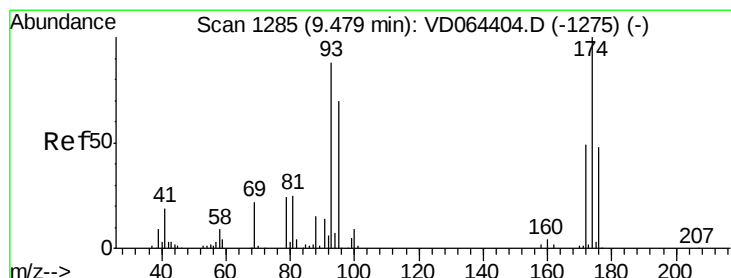
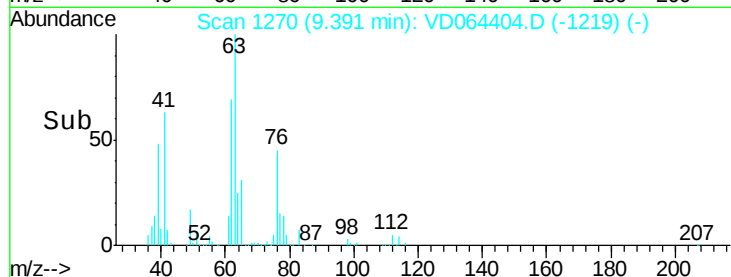
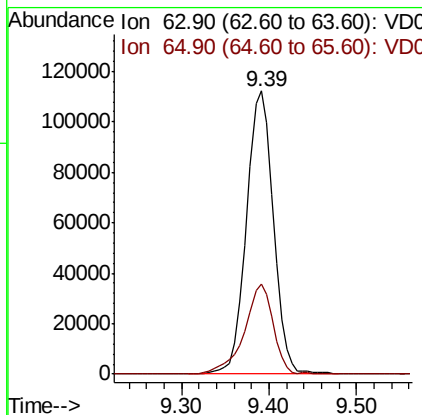
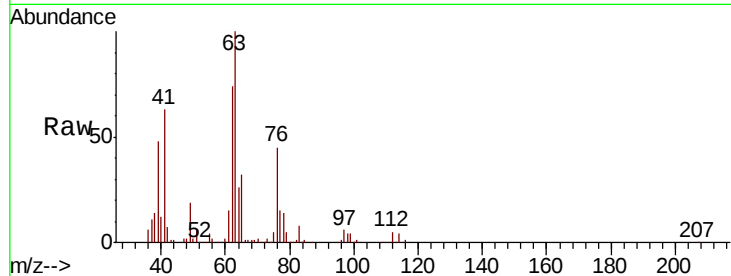
65 31.7 25.4 38.0

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#46

Dibromomethane

Concen: 54.418 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

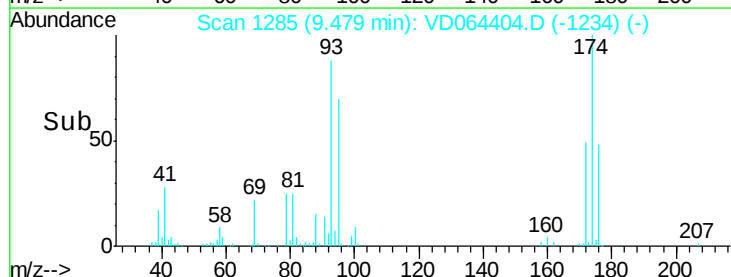
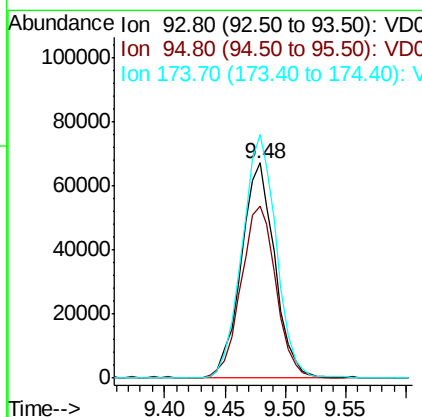
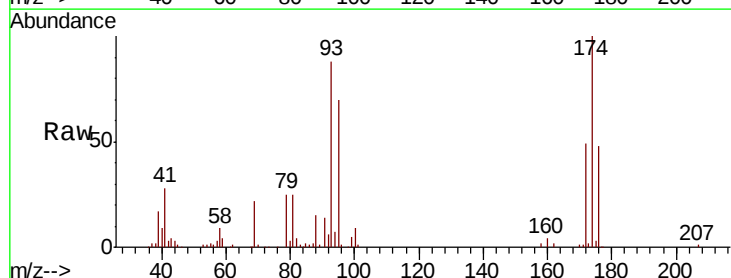
Tgt Ion: 93 Resp: 130099

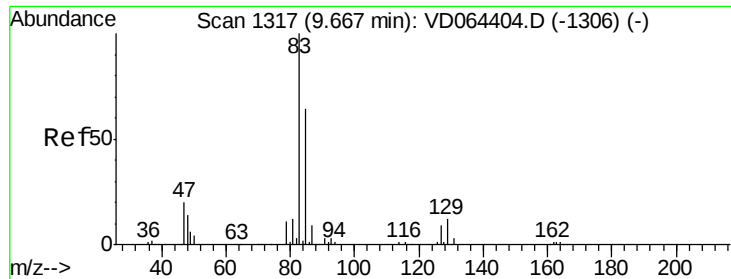
Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

174 115.4 92.3 138.5





#47

Bromodichloromethane

Concen: 52.908 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

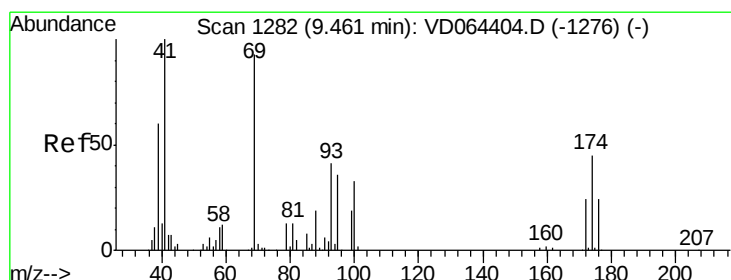
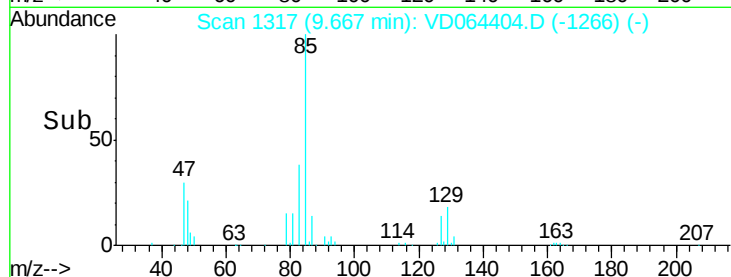
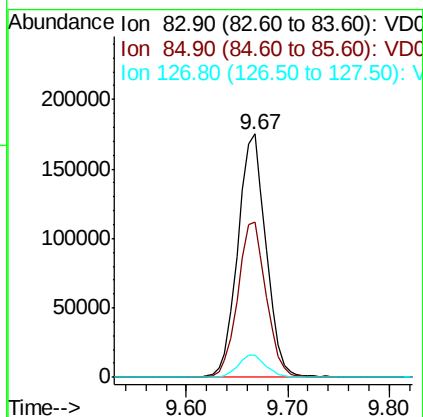
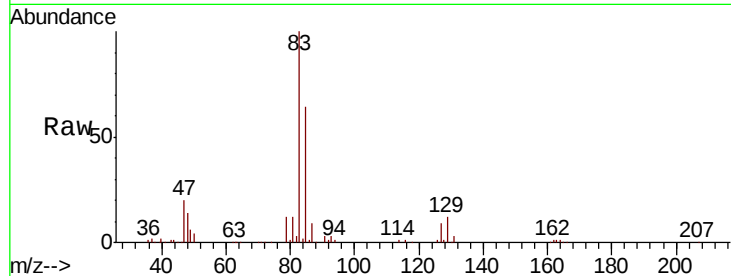
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	338617
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.1	76.7
127	9.2	7.4	11.0

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#48

Methyl methacrylate

Concen: 47.472 ug/l

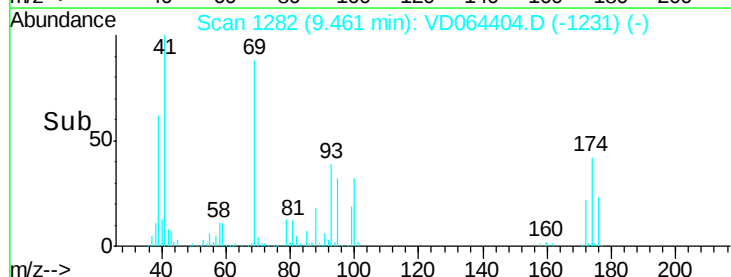
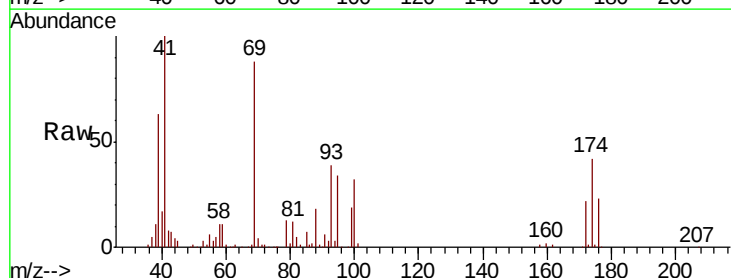
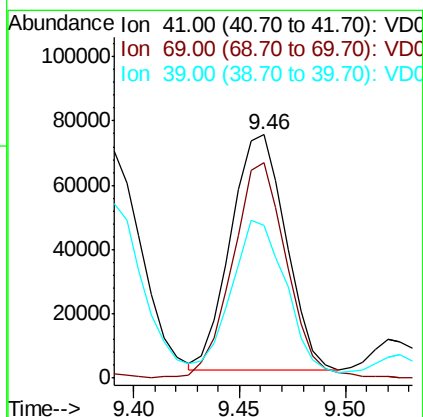
RT: 9.46 min Scan# 1282

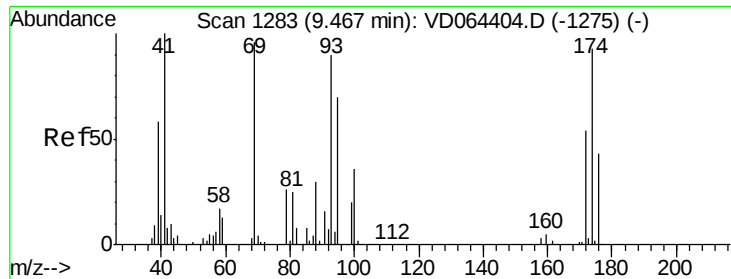
Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Tgt Ion:	41	Resp:	132370
Ion Ratio	Lower	Upper	
41	100		
69	90.0	72.0	108.0
39	69.0	55.2	82.8





#49

1,4-Dioxane

Concen: 1055.255 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

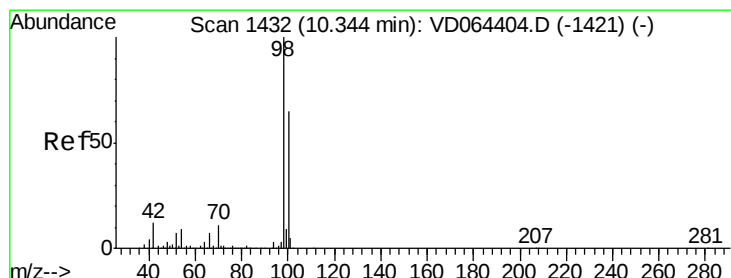
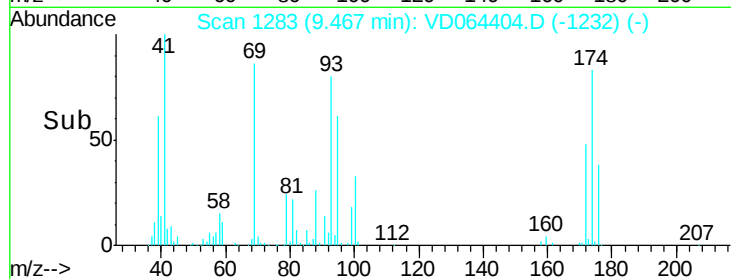
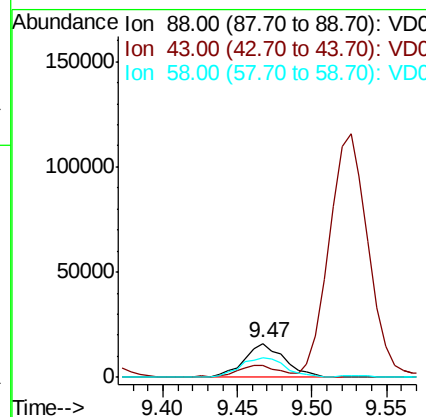
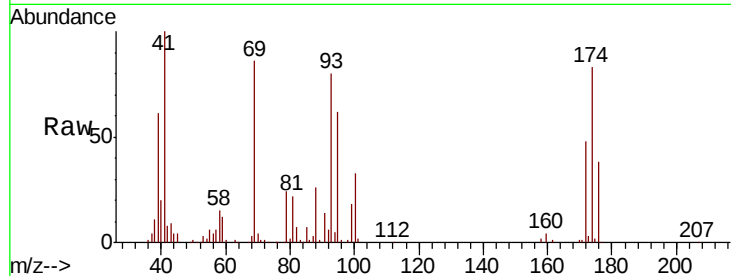
ClientSampleId :

VSTDICCC050

Tot Ion	88	Resp	30341
Ion	Ratio	Lower	Upper
88	100		
43	33.4	26.7	40.1
58	65.4	52.3	78.5

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#50

Toluene-d8

Concen: 53.934 ug/l

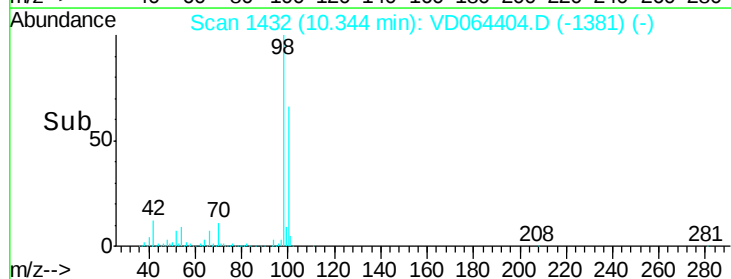
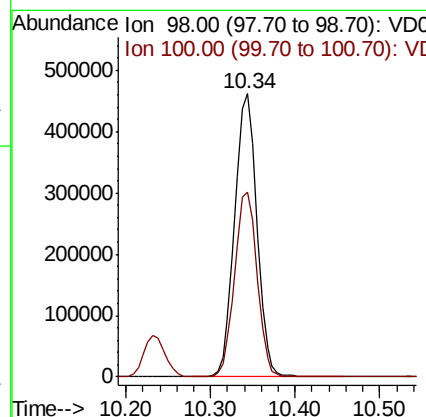
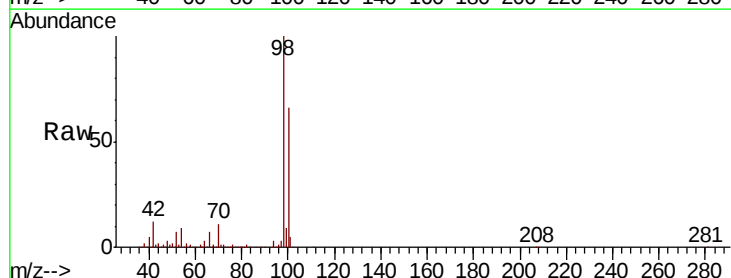
RT: 10.34 min Scan# 1432

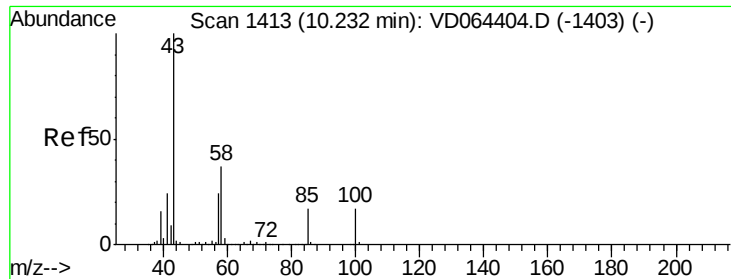
Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Tgt Ion	98	Resp	836605
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 257.461 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 713284

Ion Ratio Lower Upper

43 100

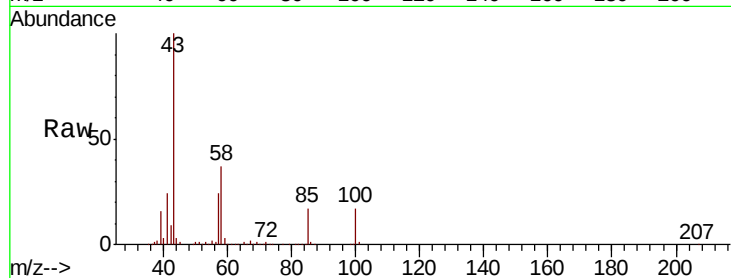
58 38.3 30.6 46.0

Manual Integrations

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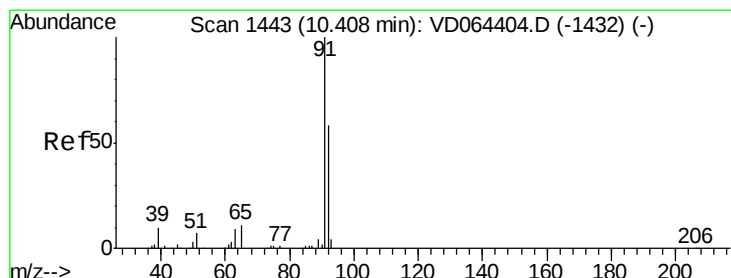
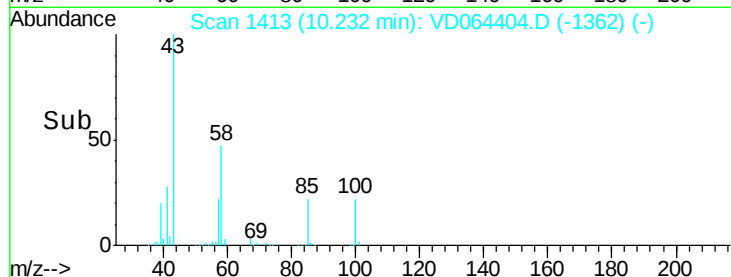
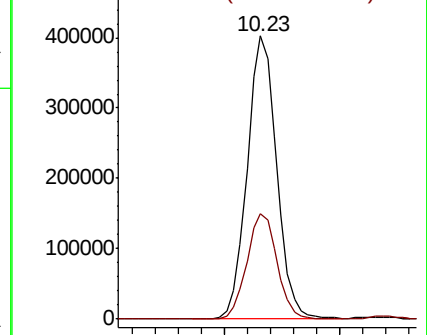
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.581 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064404.D

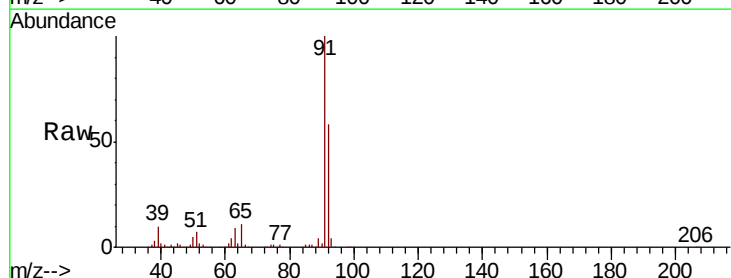
Acq: 27 Nov 2019 19:18

Tgt Ion: 92 Resp: 615030

Ion Ratio Lower Upper

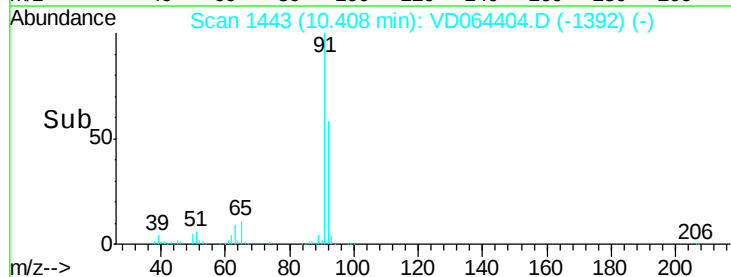
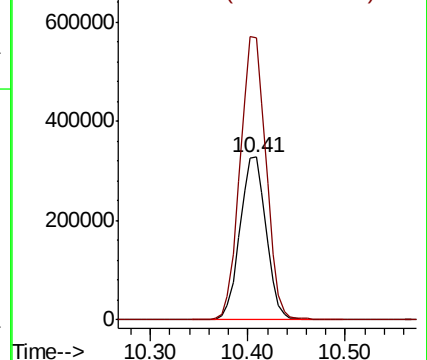
92 100

91 172.2 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





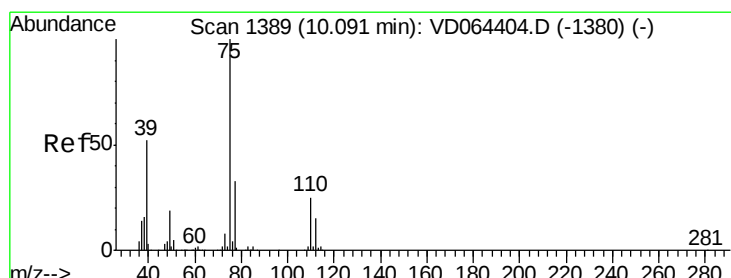
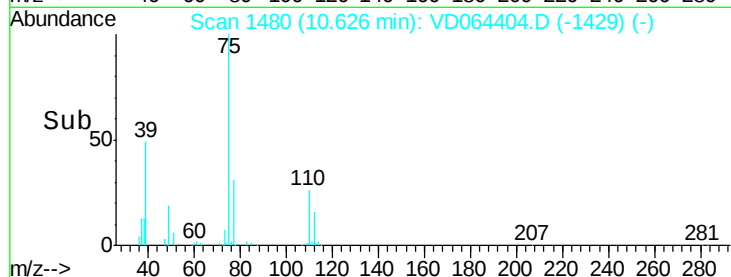
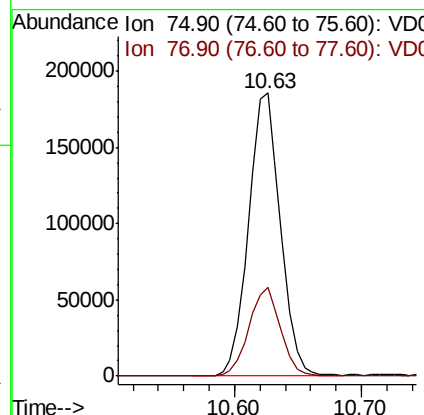
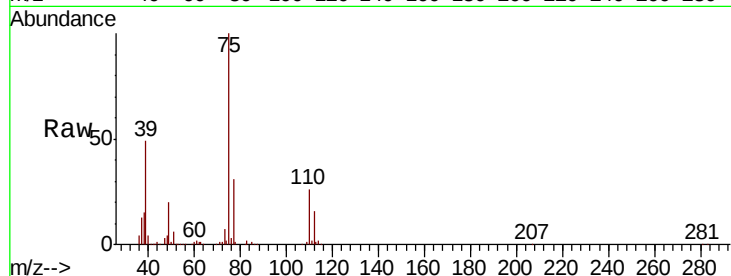
#53
 t-1,3-Dichloropropene
 Concen: 50.968 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 324069
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.0 37.4

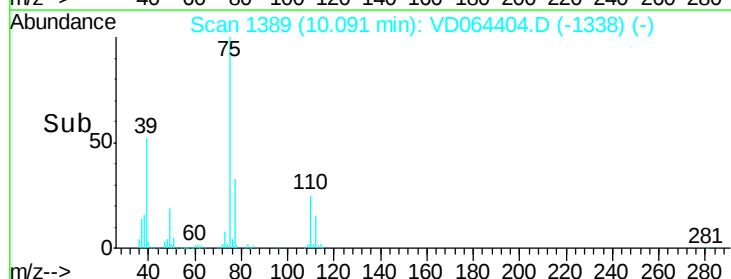
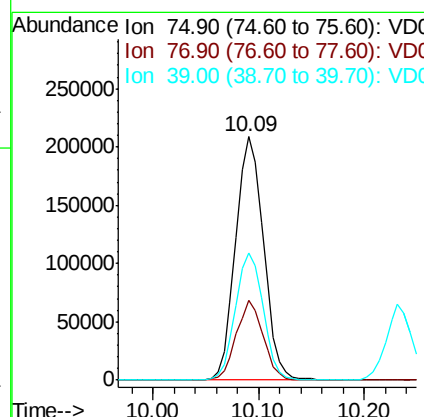
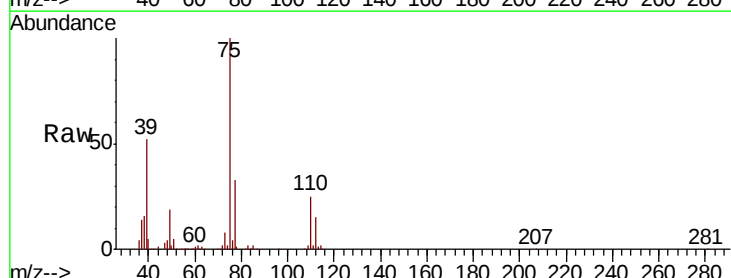
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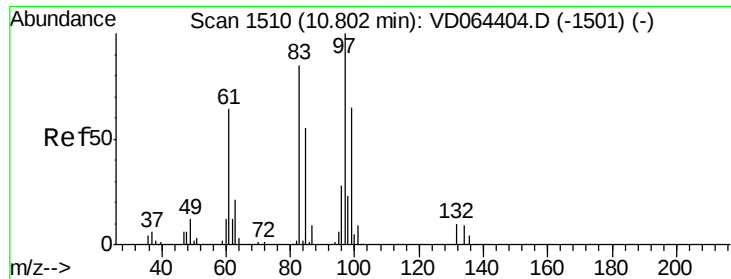
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#54
 cis-1,3-Dichloropropene
 Concen: 51.475 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion: 75 Resp: 382646
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.1 39.1
 39 51.9 41.5 62.3





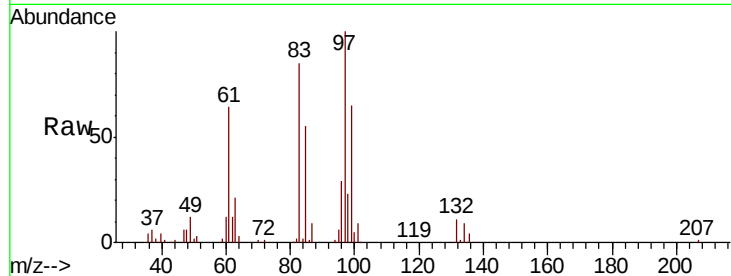
#55
 1,1,2-Trichloroethane
 Concen: 53.895 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

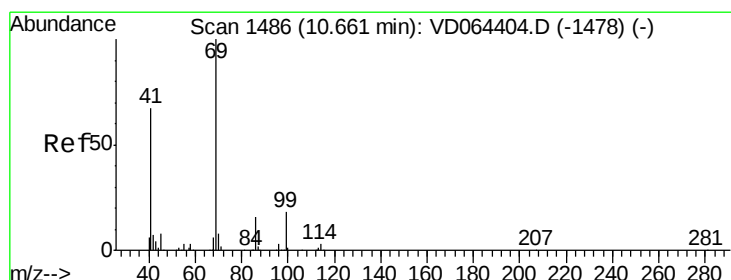
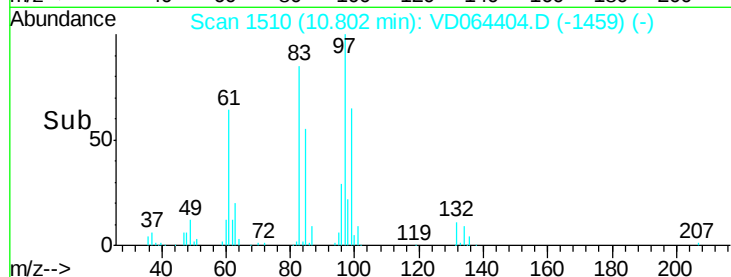
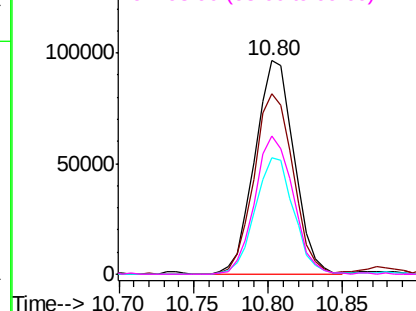
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		174434		
83	84.8	67.8	101.8		
85	54.6	43.7	65.5		
99	64.6	51.7	77.5		

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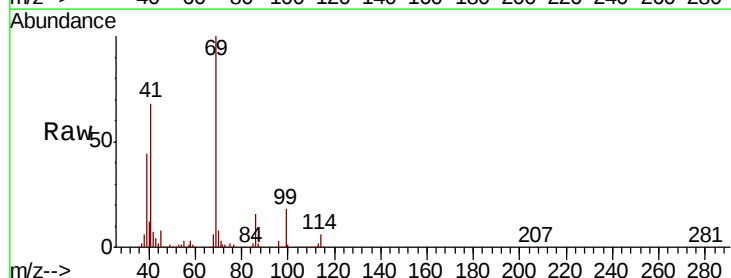


Abundance Ion 96.90 (96.60 to 97.60): VDC
 150000 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

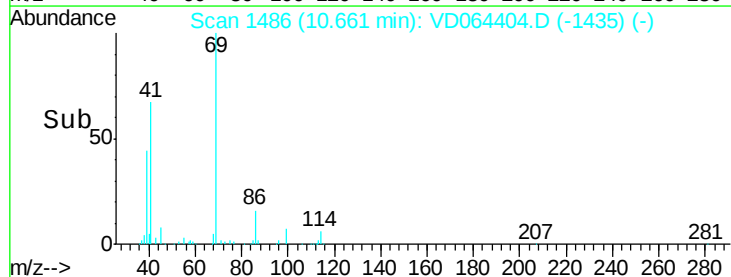
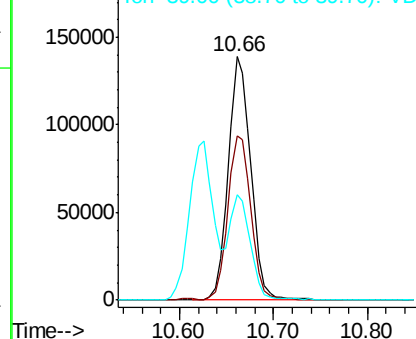


#56
 Ethyl methacrylate
 Concen: 51.432 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		230528		
41	68.7	55.0	82.4		
39	41.3	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





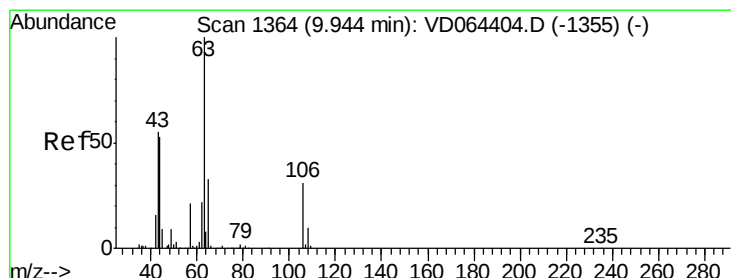
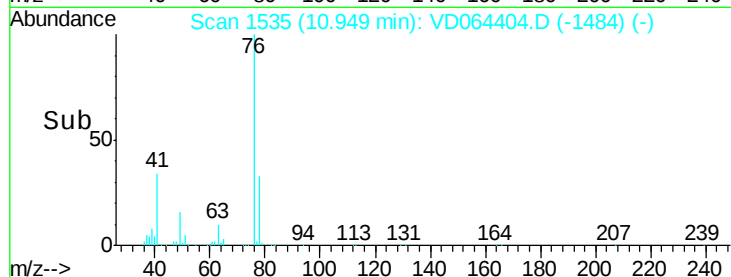
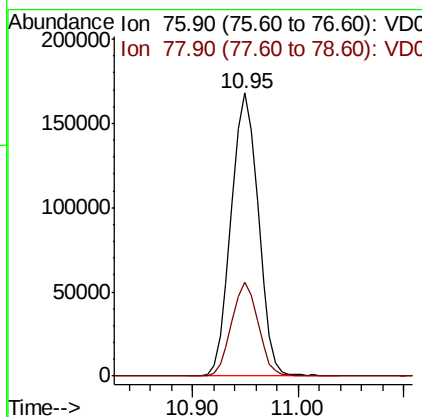
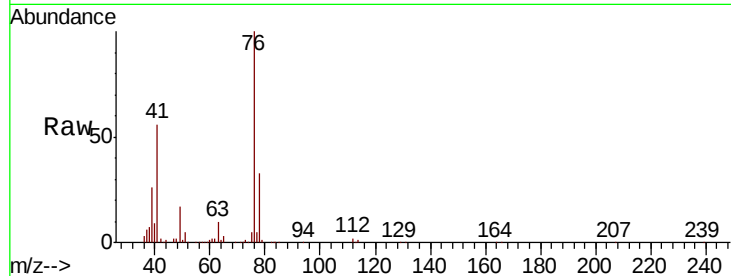
#57
 1,3-Dichloropropane
 Concen: 53.203 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 299538
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.0 39.0

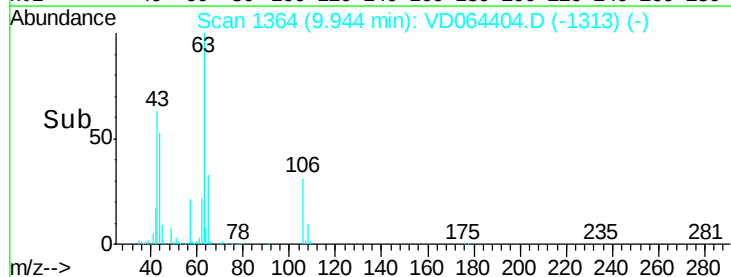
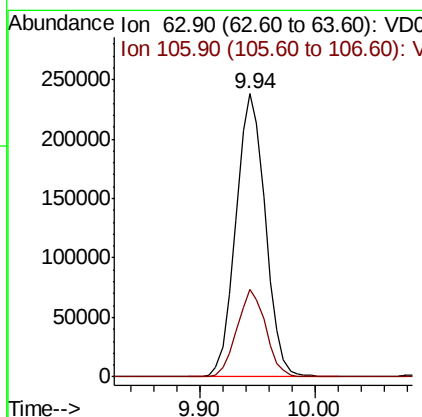
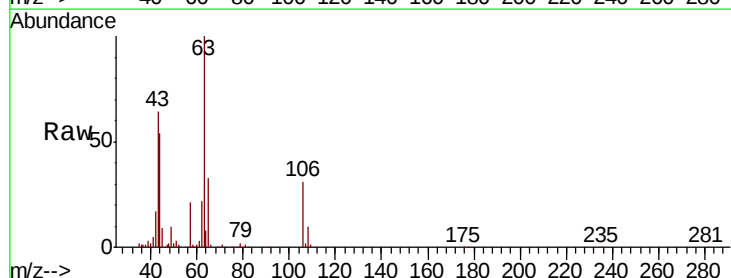
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#58
 2-Chloroethyl Vinyl ether
 Concen: 235.835 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion: 63 Resp: 421157
 Ion Ratio Lower Upper
 63 100
 106 30.3 24.2 36.4





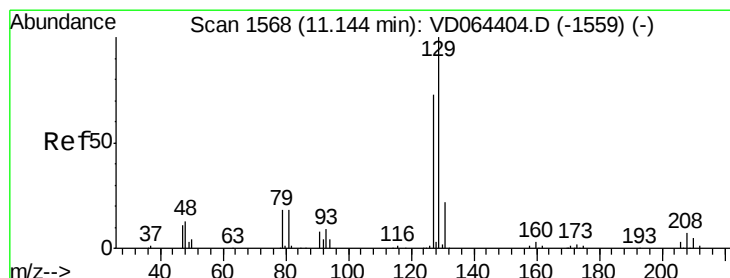
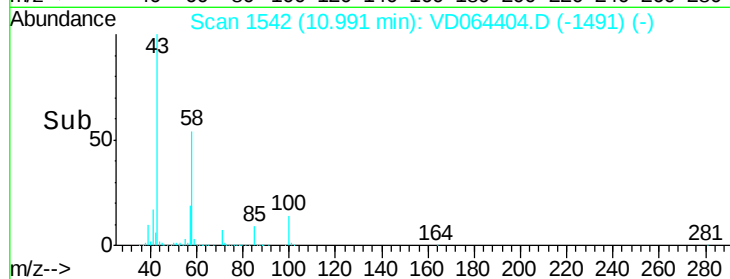
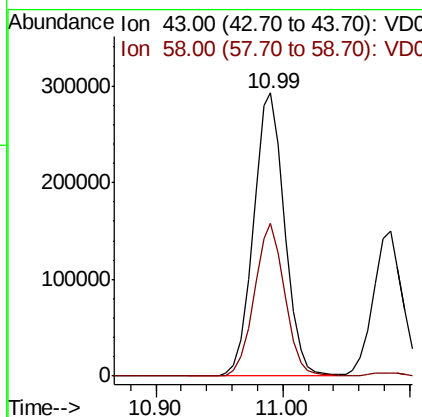
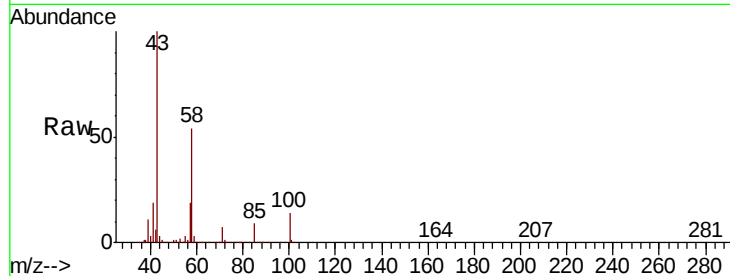
#59
2-Hexanone
Concen: 255.044 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.5	26.3	78.8

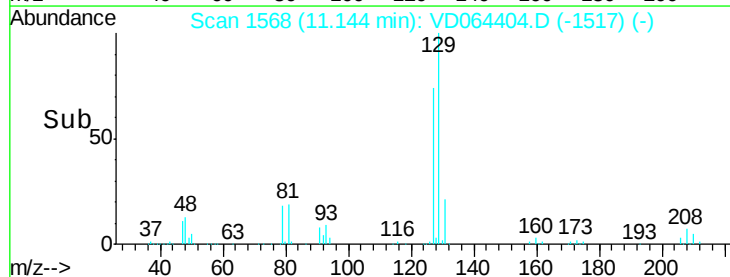
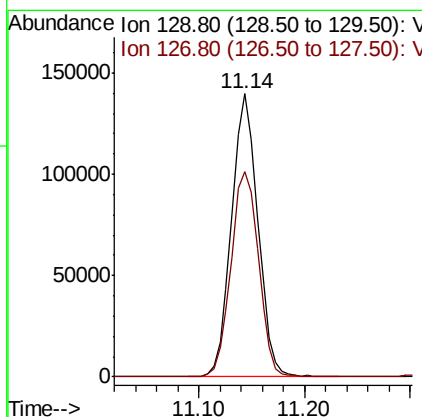
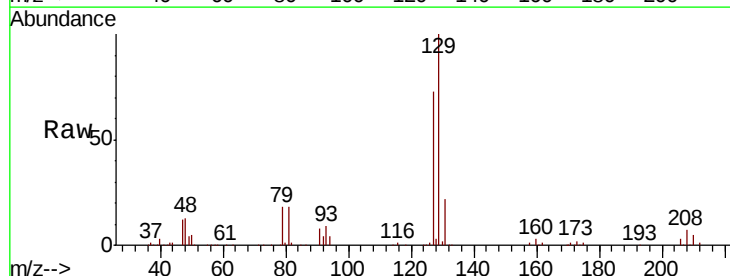
Manual Integrations
APPROVED

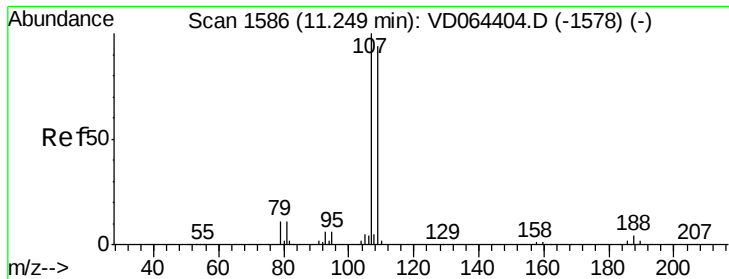
apatel
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#60
Dibromochloromethane
Concen: 53.256 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.1	114.3





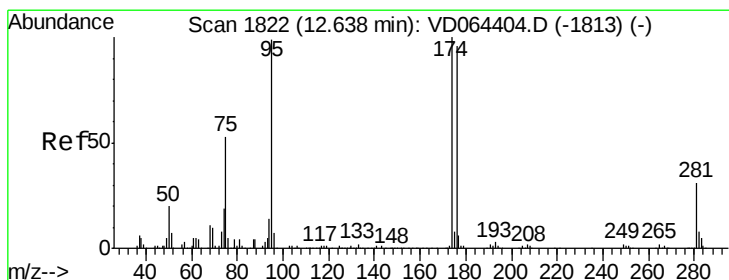
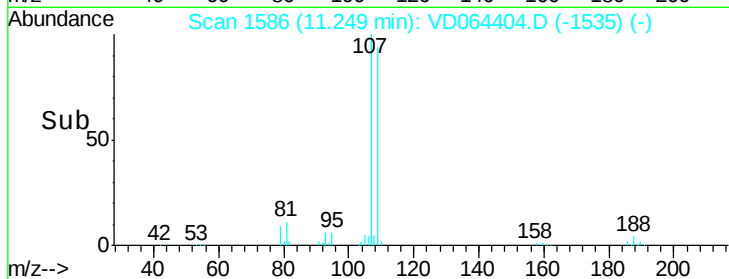
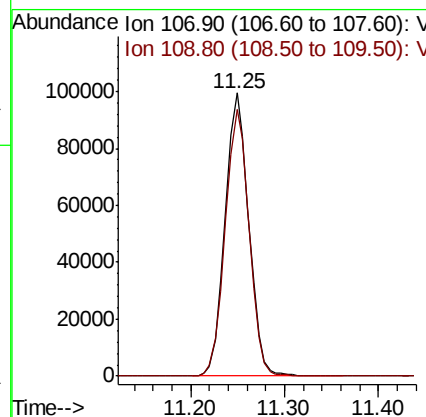
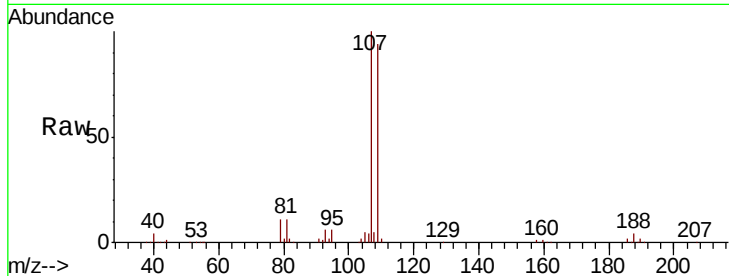
#61
 1,2-Dibromoethane
 Concen: 53.952 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.2	114.2

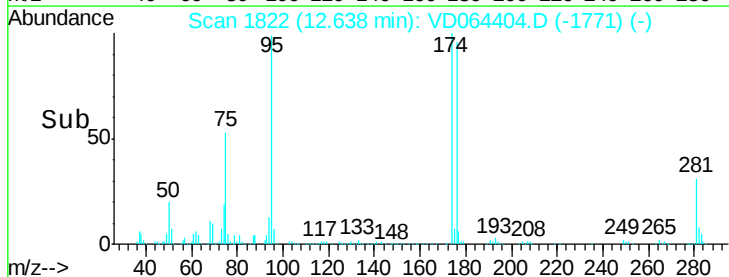
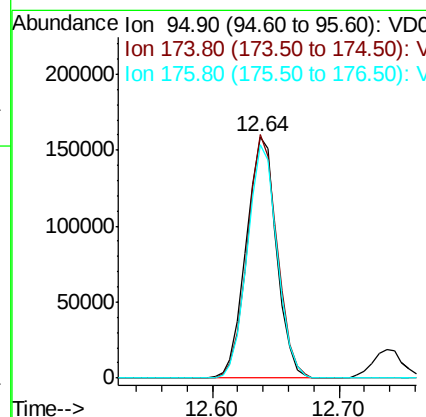
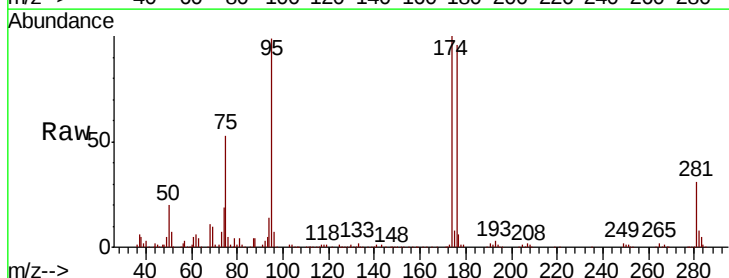
Manual Integrations
 APPROVED

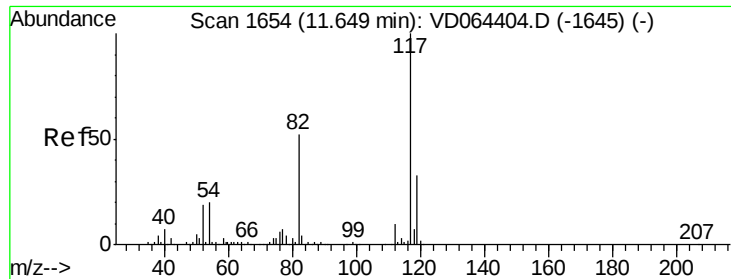
apatel
 12/2/2019 10:56:40 AM



#62
 4-Bromofluorobenzene
 Concen: 49.810 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.6	0.0	197.2
176	94.8	0.0	189.6





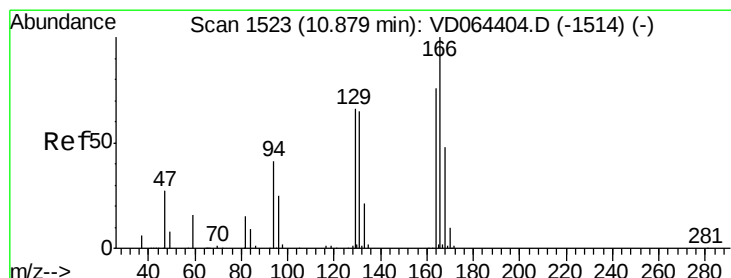
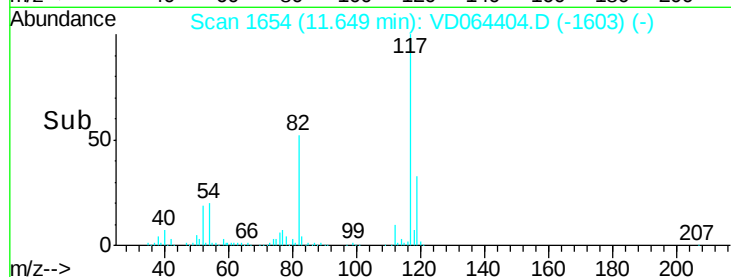
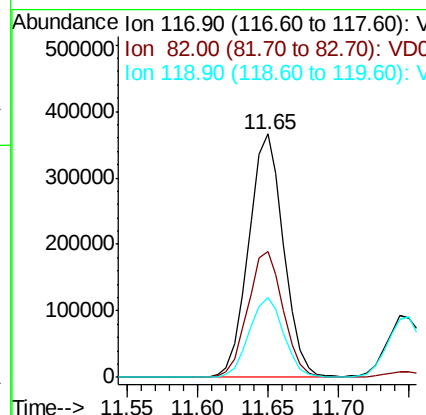
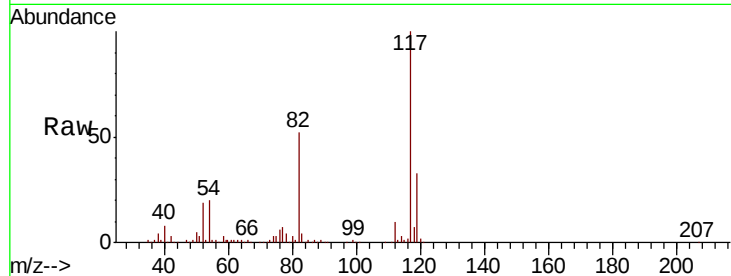
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.4	62.2
119	32.7	26.2	39.2

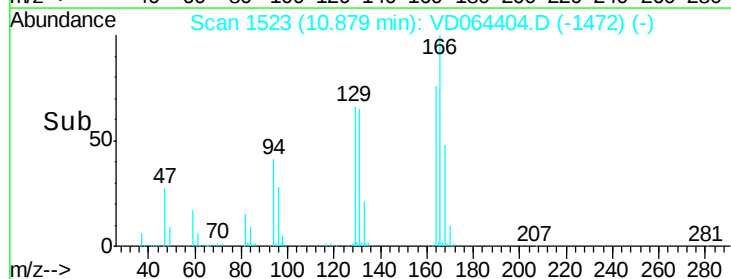
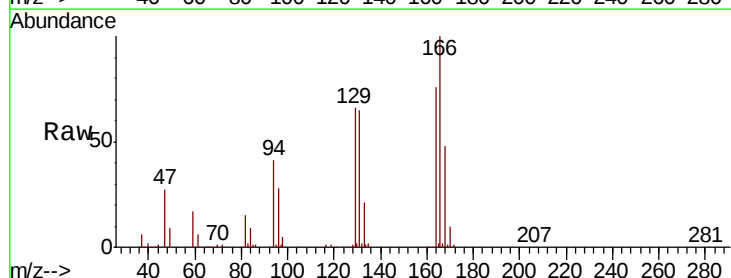
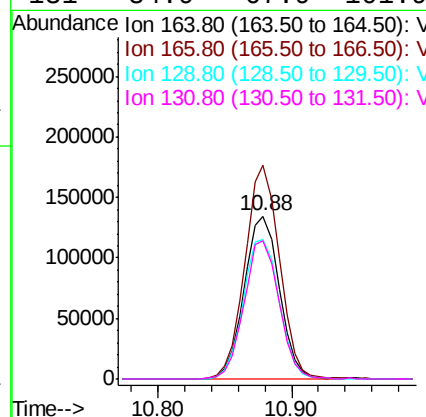
Manual Integrations
APPROVED

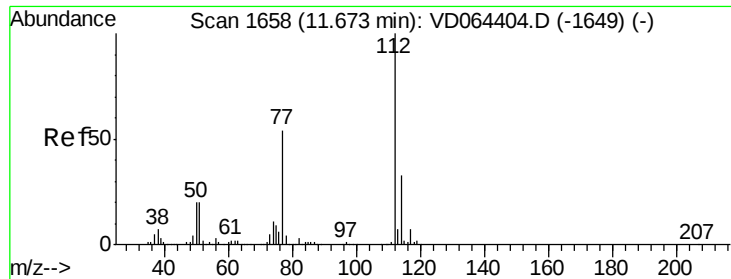
apatel
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#64
Tetrachloroethene
Concen: 50.642 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	104.8	157.2
129	85.9	68.7	103.1
131	84.9	67.9	101.9





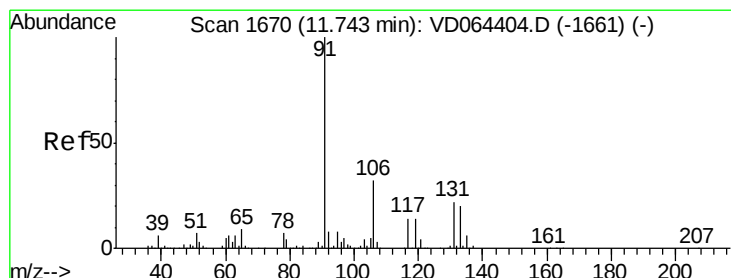
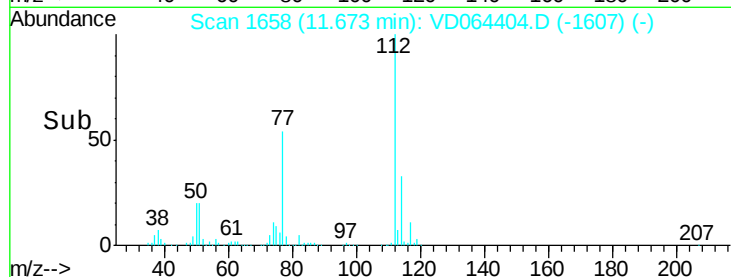
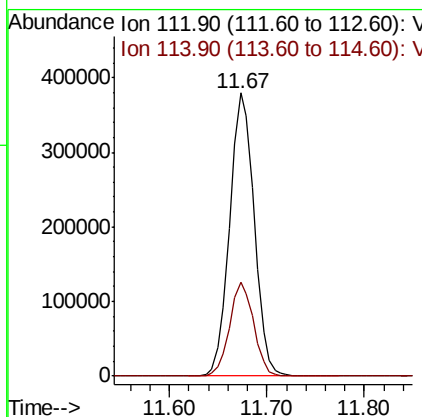
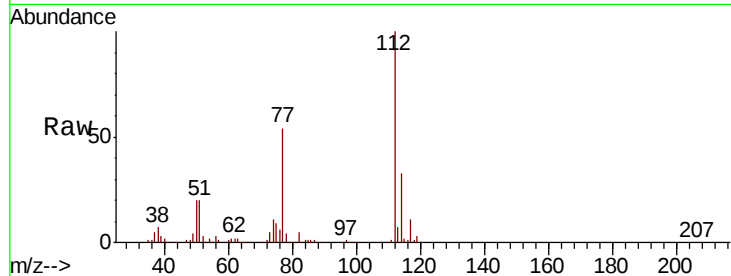
#65
Chlorobenzene
Concen: 51.378 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	26.5	39.7

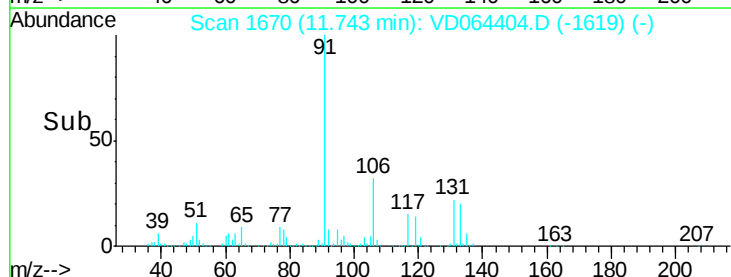
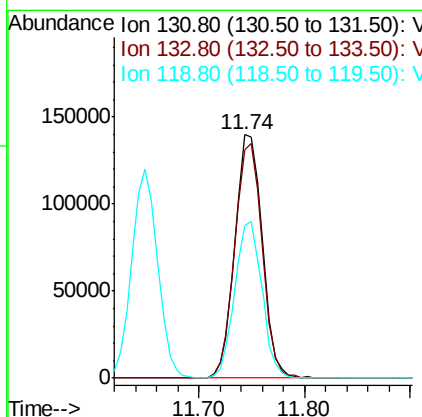
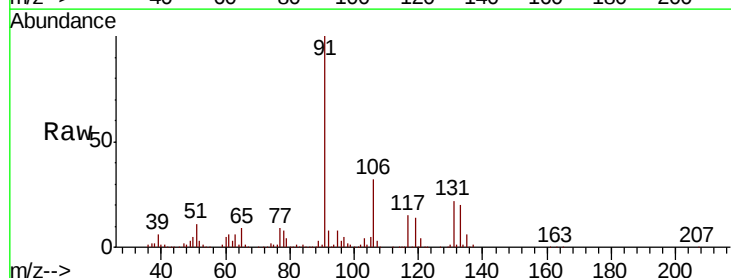
Manual Integrations
APPROVED

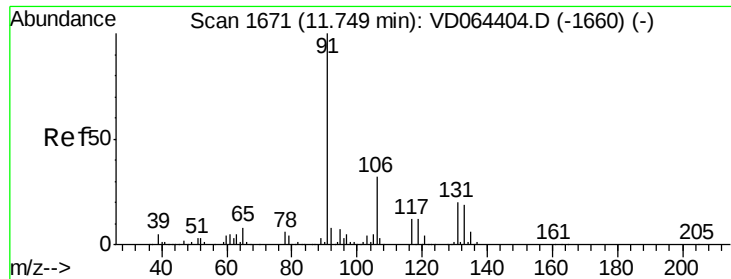
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.179 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	48.3	144.9
119	63.9	31.9	95.9





#67

Ethyl Benzene

Concen: 50.898 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleID :

VSTDICCC050

Tot Ion: 91 Resp: 1182741

Ion Ratio Lower Upper

91 100

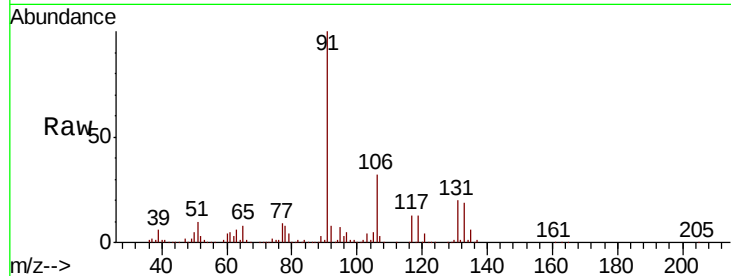
106 32.3 25.8 38.8

Manual Integrations

APPROVED

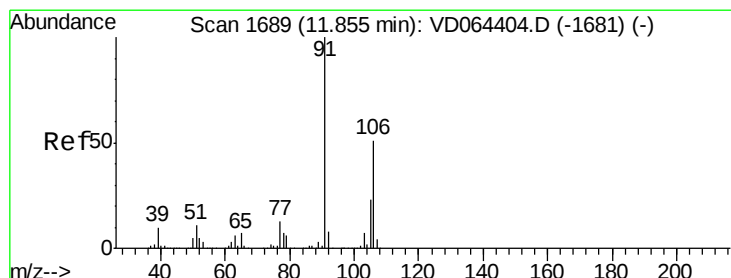
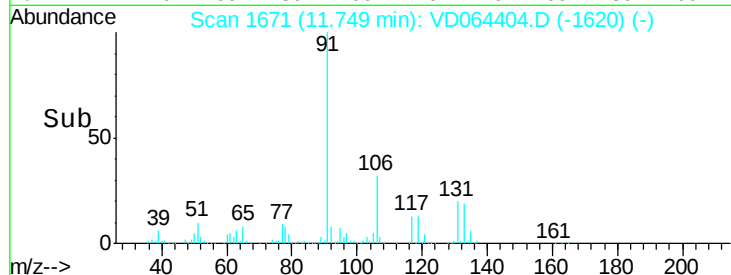
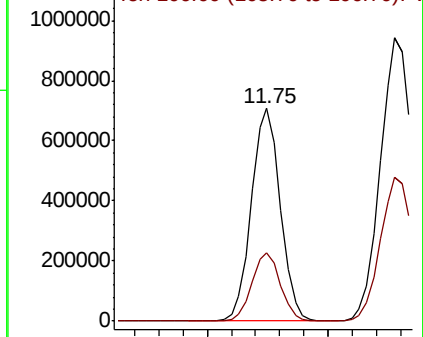
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 102.400 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064404.D

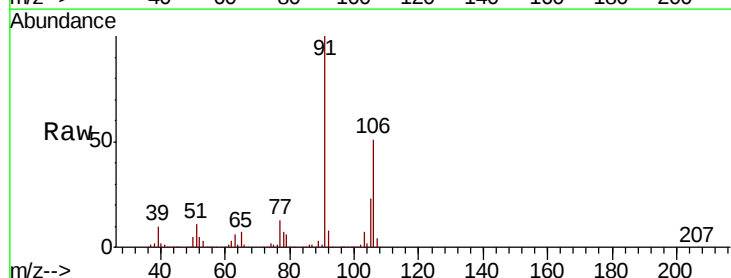
Acq: 27 Nov 2019 19:18

Tgt Ion: 106 Resp: 911493

Ion Ratio Lower Upper

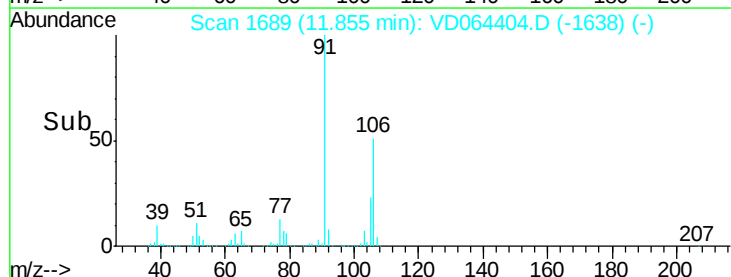
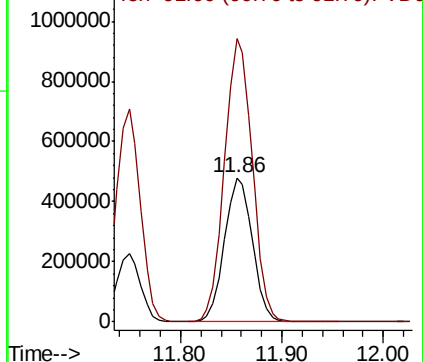
106 100

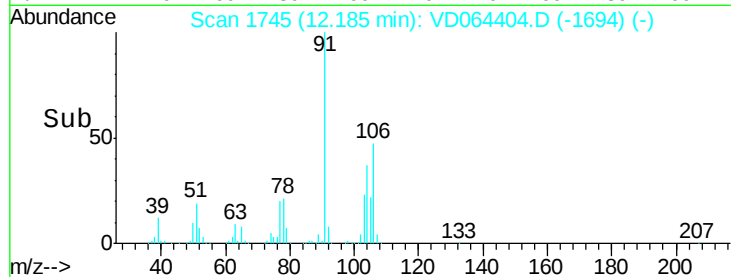
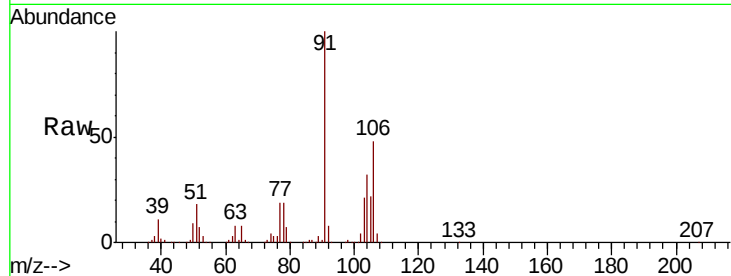
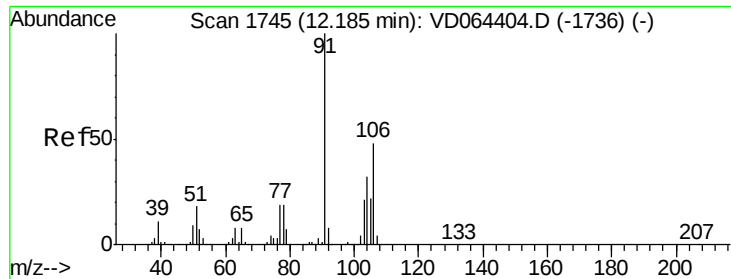
91 196.8 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





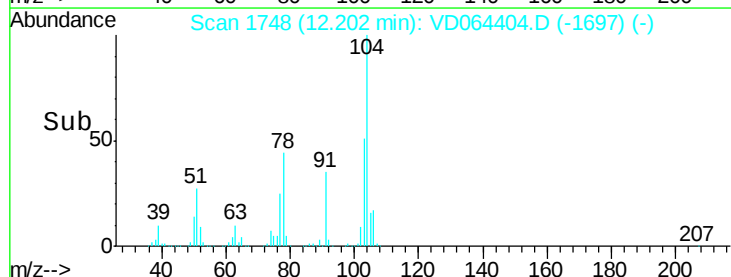
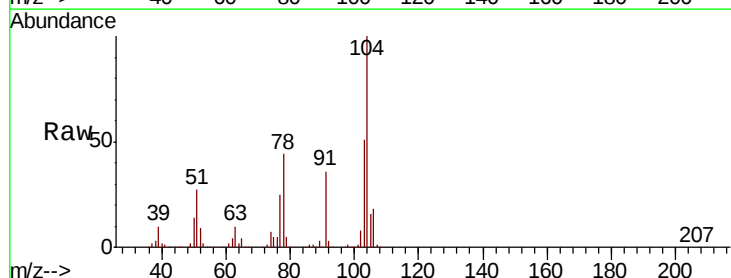
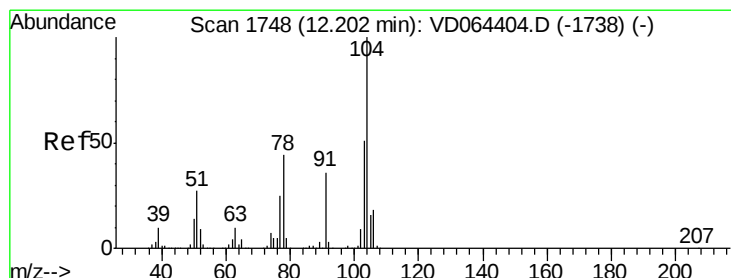
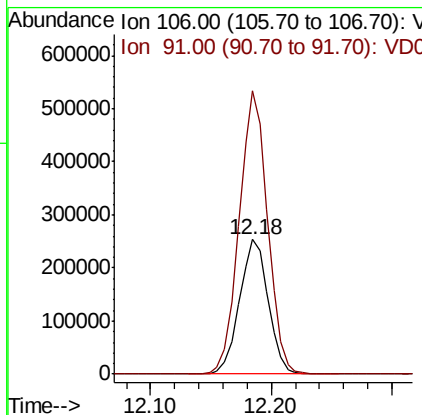
#69
o-Xylene
Concen: 50.995 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tot Ion:106 Resp: 421003
Ion Ratio Lower Upper
106 100
91 207.6 103.8 311.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

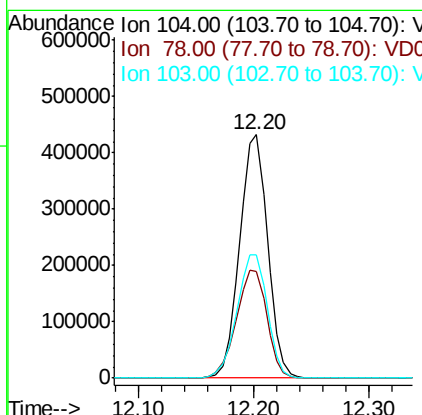
Manual Integrations
APPROVED

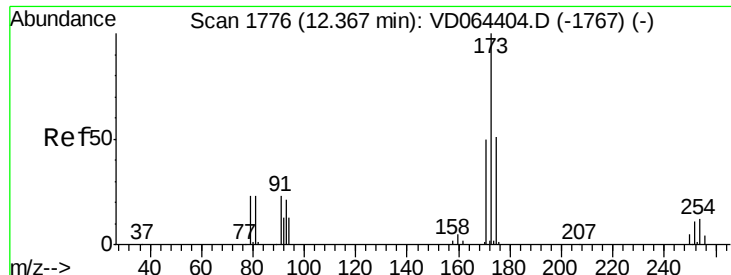
apatel
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#70
Styrene
Concen: 50.696 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion:104 Resp: 729429
Ion Ratio Lower Upper
104 100
78 48.5 38.8 58.2
103 55.3 44.2 66.4





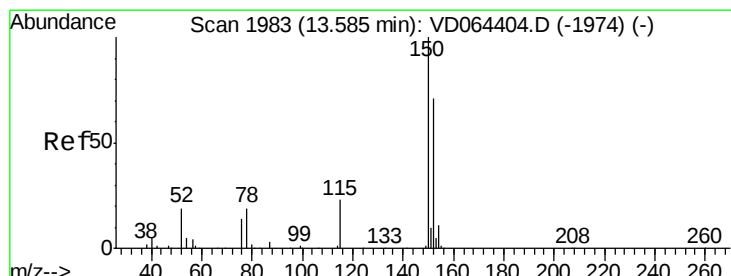
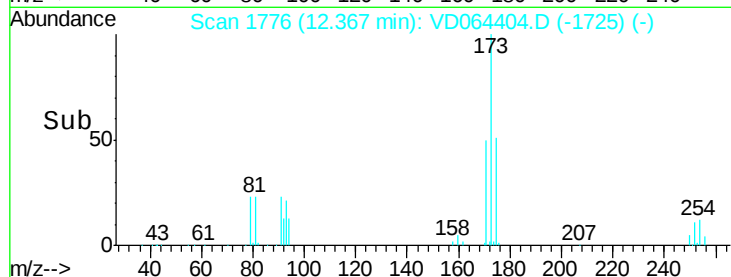
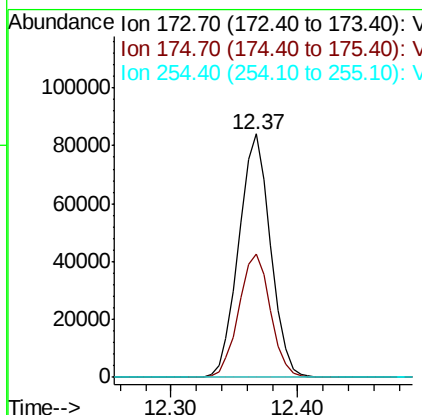
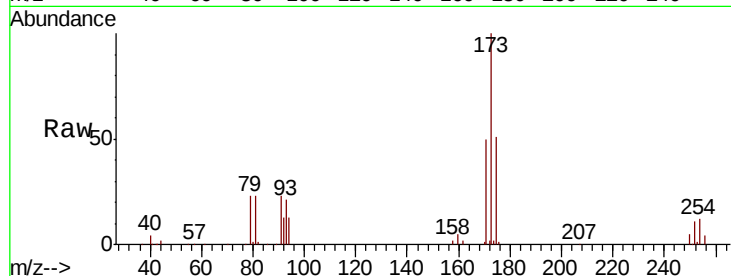
#71
Bromoform
Concen: 52.291 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	25.3	75.8
254	0.0	0.0	0.0

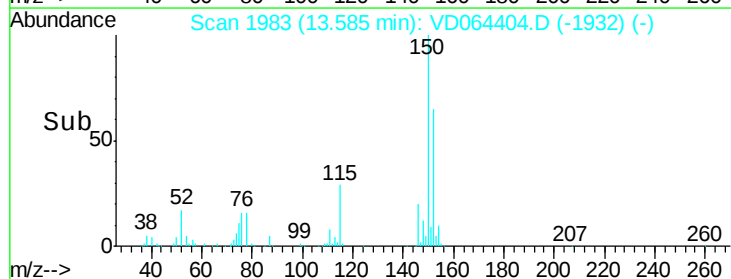
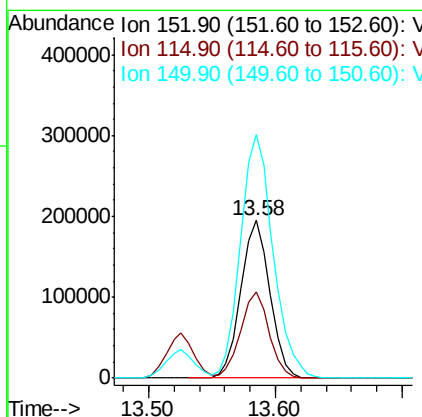
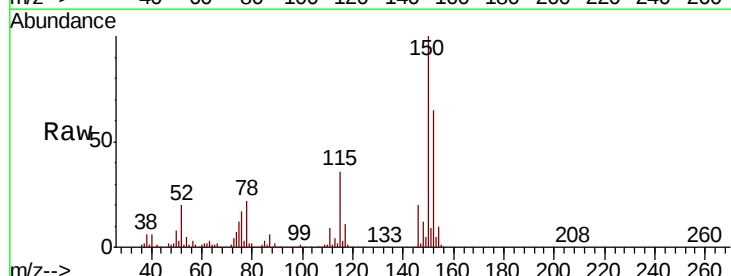
Manual Integrations
APPROVED

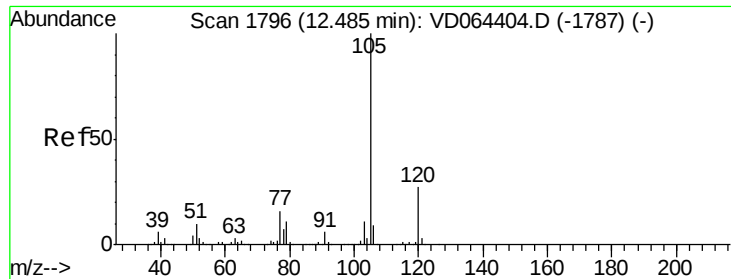
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.4	26.7	80.1
150	173.6	0.0	347.2





#73

Isopropylbenzene

Concen: 50.173 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1133082

Ion Ratio Lower Upper

105 100

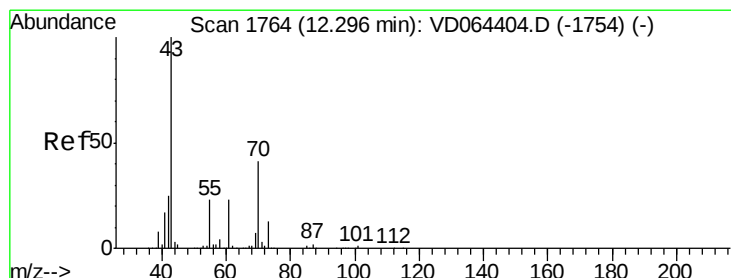
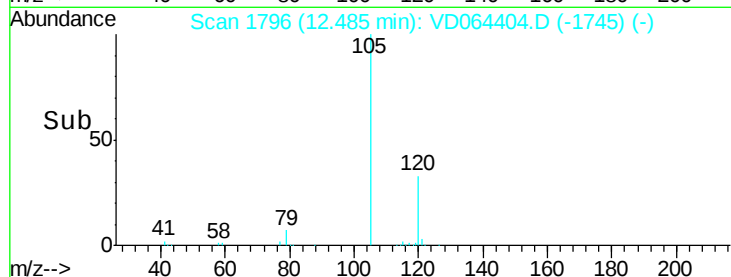
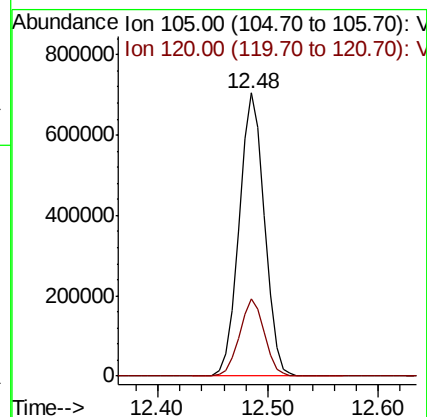
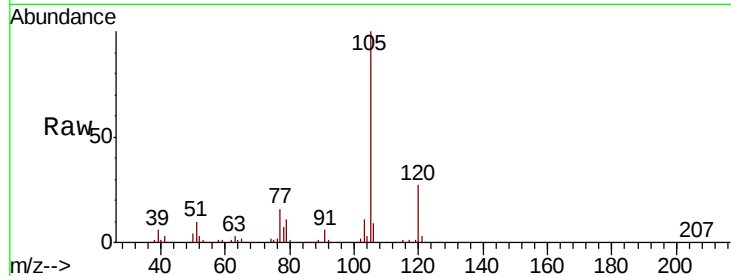
120 26.8 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.468 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Tgt Ion: 43 Resp: 264031

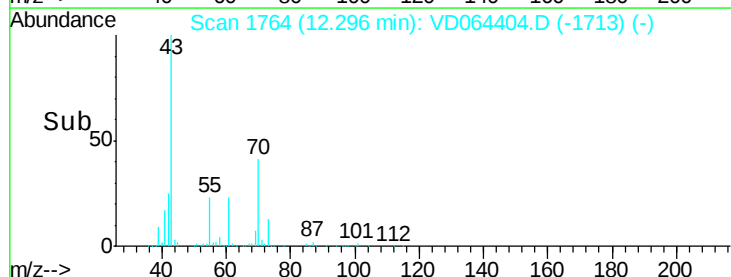
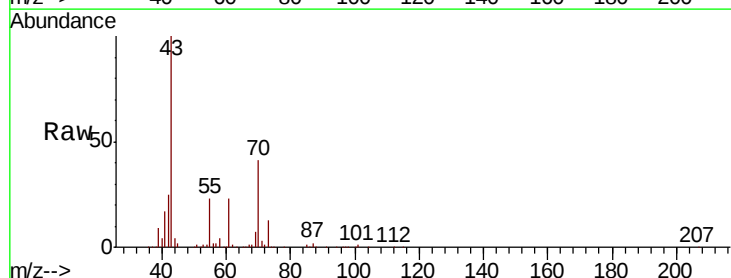
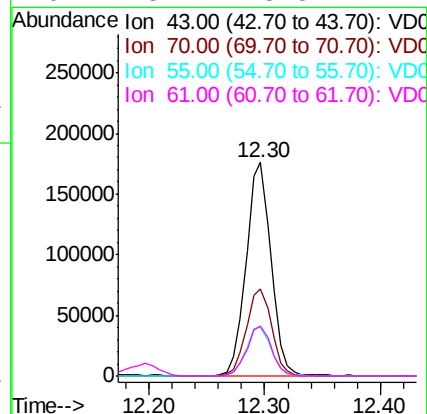
Ion Ratio Lower Upper

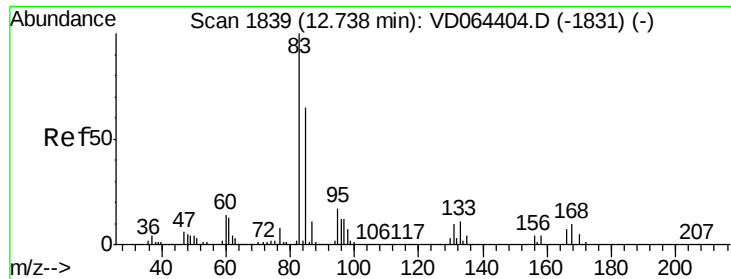
43 100

70 41.8 33.4 50.2

55 23.6 18.9 28.3

61 23.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 54.310 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

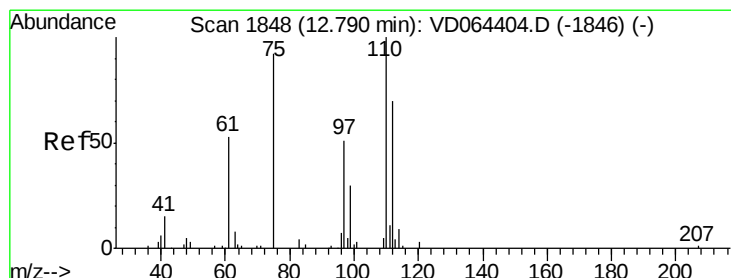
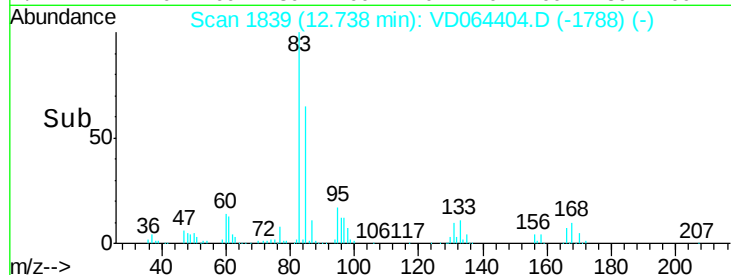
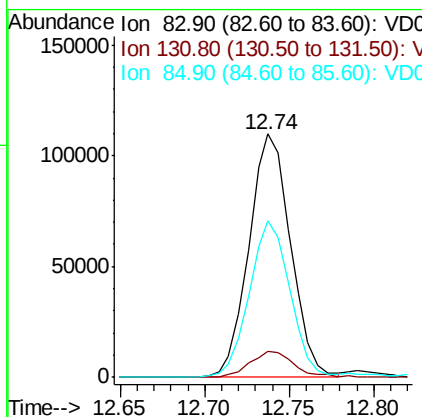
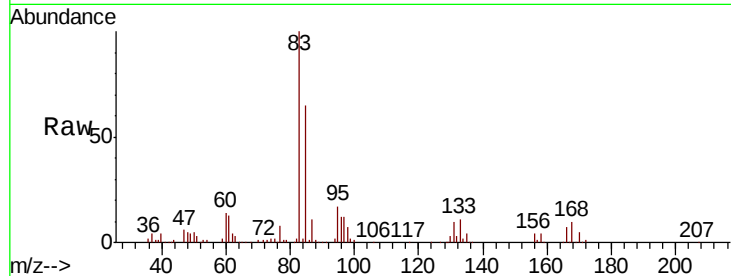
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	188492
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.0
85	62.6	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.727 ug/l m

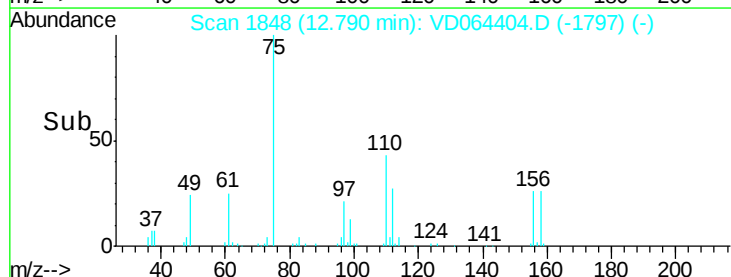
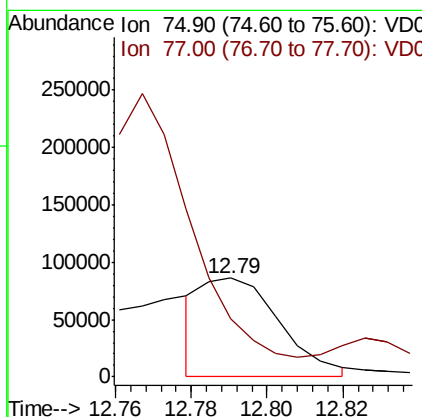
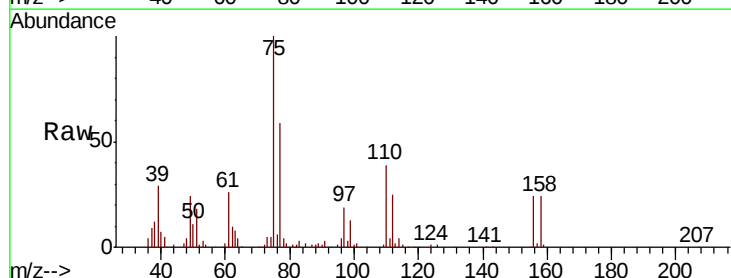
RT: 12.79 min Scan# 1848

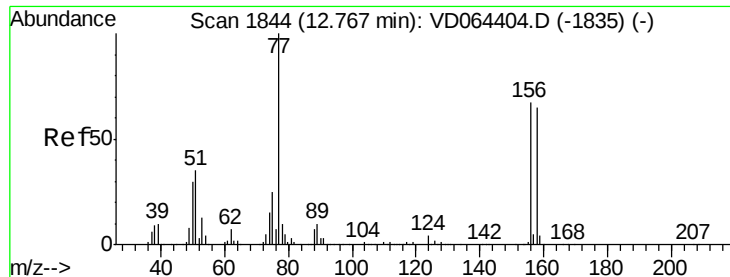
Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Tgt Ion:	75	Resp:	123088
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.183 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064404.D

Acq: 27 Nov 2019 19:18

Instrument :

MSVOA_D

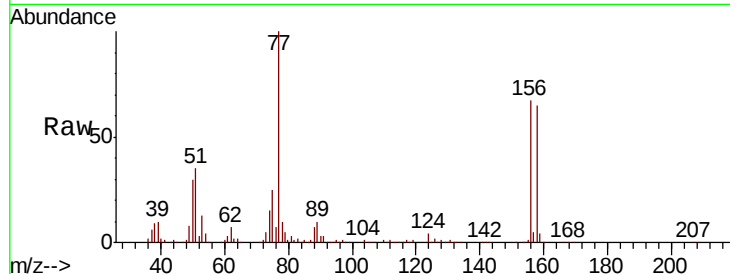
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	281860
Ion Ratio	Lower	Upper	
156	100		
77	160.1	80.0	240.2
158	97.7	48.9	146.6

Manual Integrations
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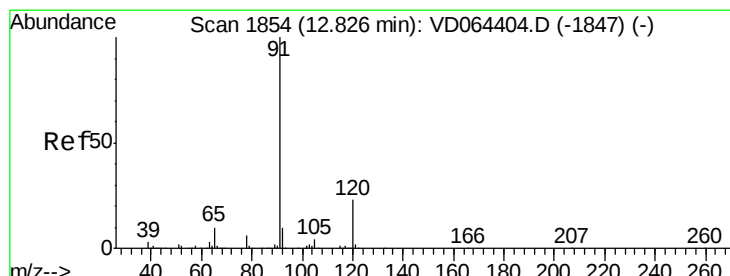
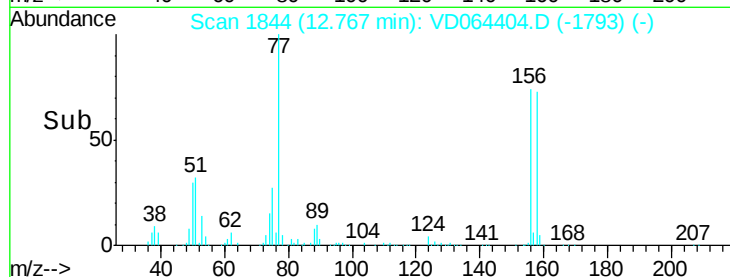
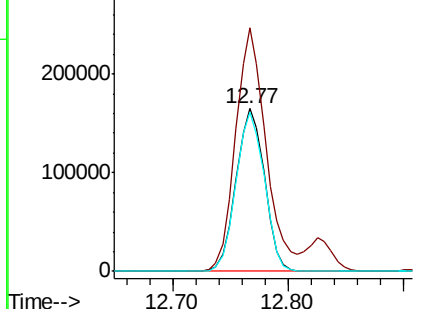
apatel
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.598 ug/l

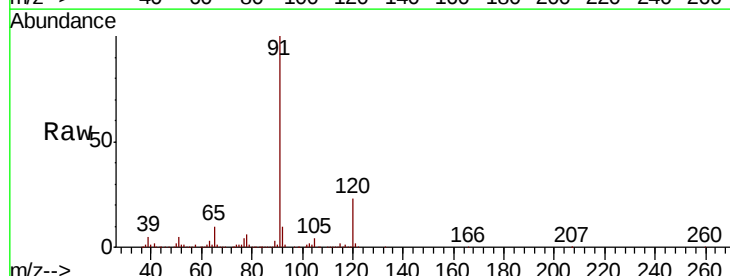
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064404.D

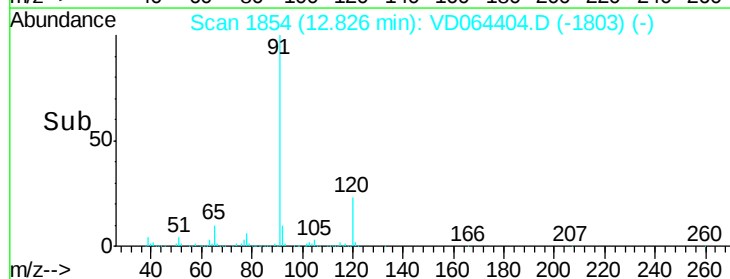
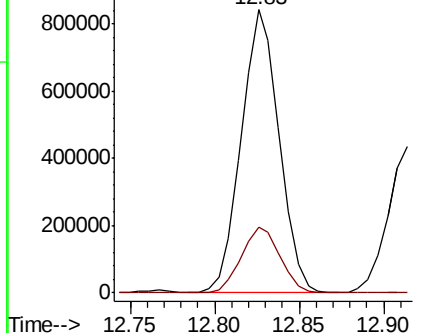
Acq: 27 Nov 2019 19:18

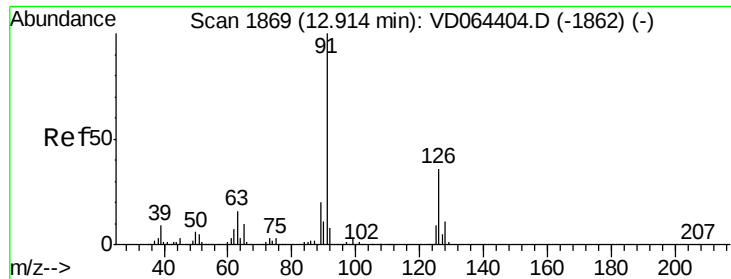
Tgt Ion:	91	Resp:	1305827
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





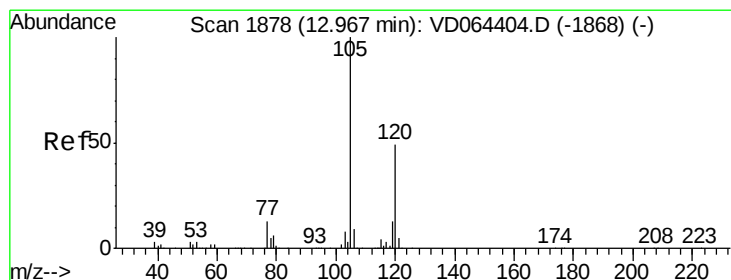
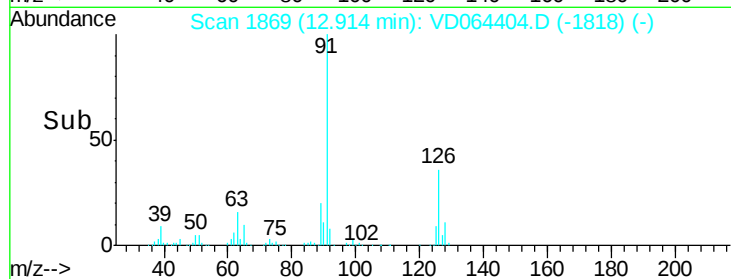
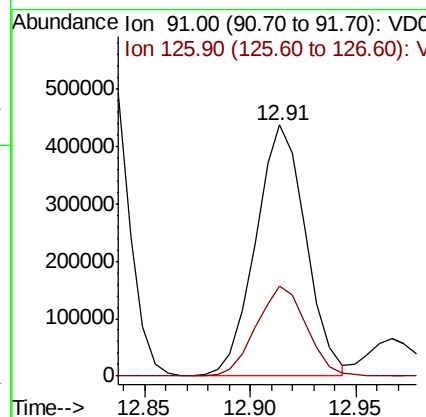
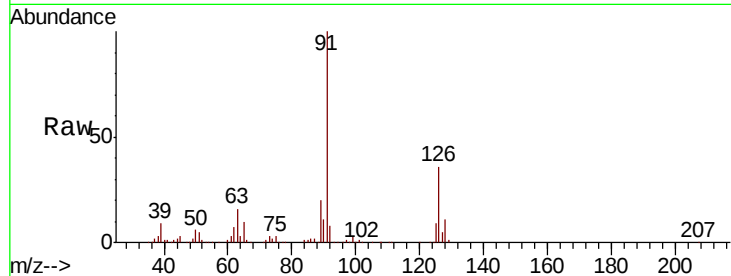
#79
 2-Chlorotoluene
 Concen: 49.462 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 91 Resp: 718419
 Ion Ratio Lower Upper
 91 100
 126 36.0 18.0 54.0

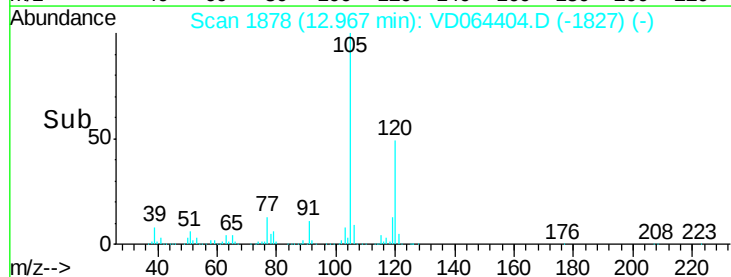
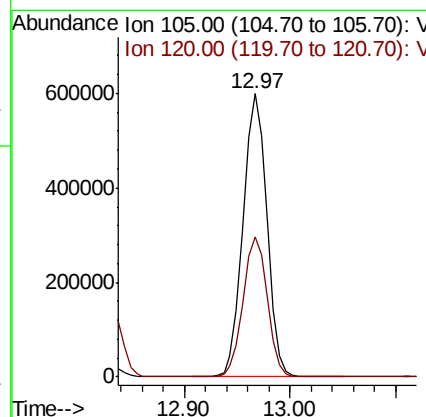
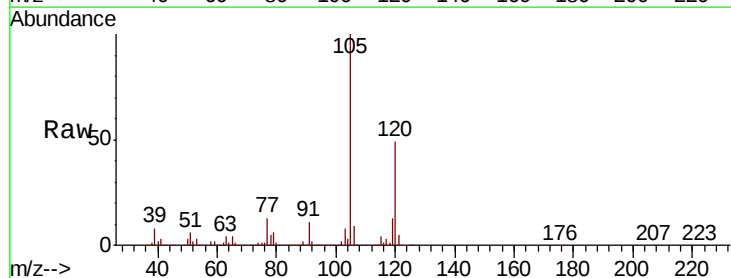
Manual Integrations
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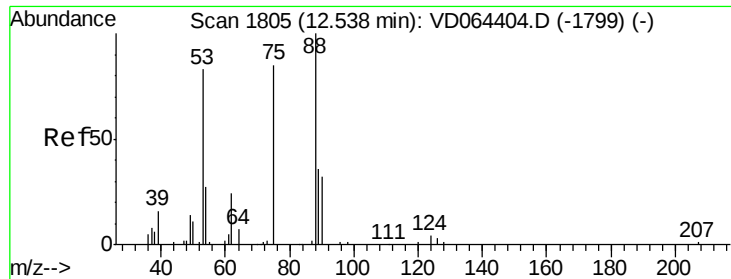
apatel
 12/2/2019 10:56:40 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.217 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion: 105 Resp: 932784
 Ion Ratio Lower Upper
 105 100
 120 50.2 25.1 75.3





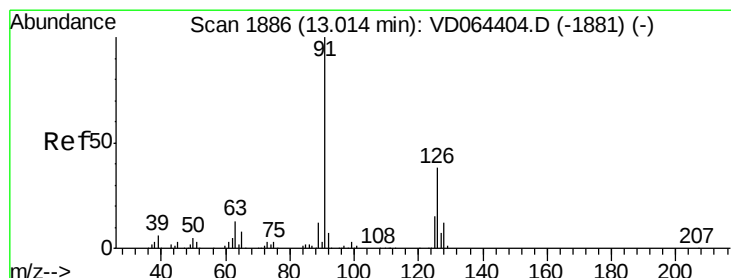
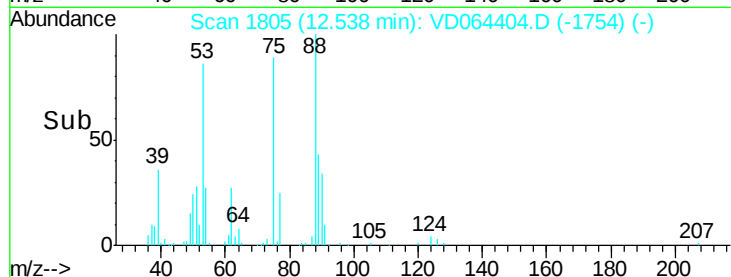
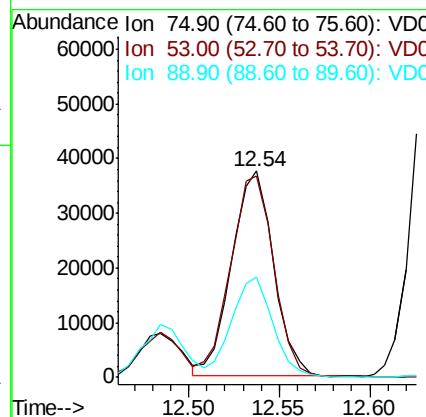
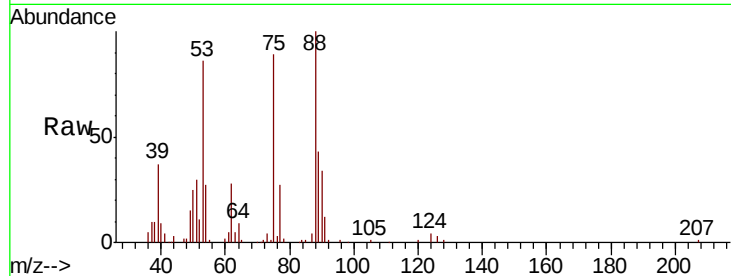
#81
trans-1,4-Dichloro-2-butene
Concen: 48.470 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.3	81.0	121.6
89	48.1	38.5	57.7

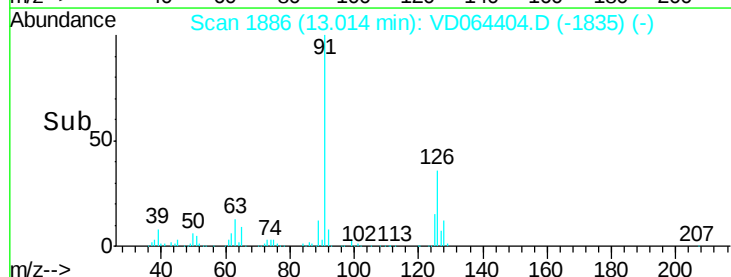
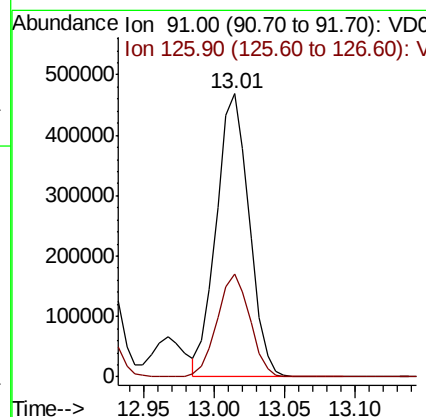
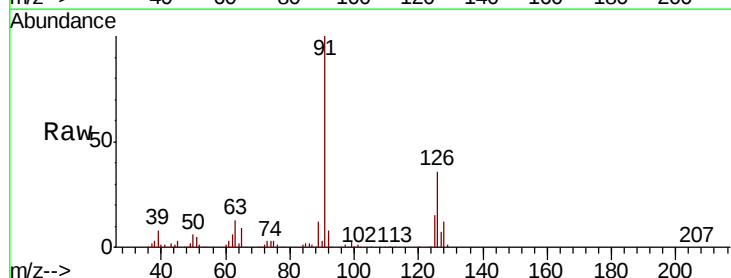
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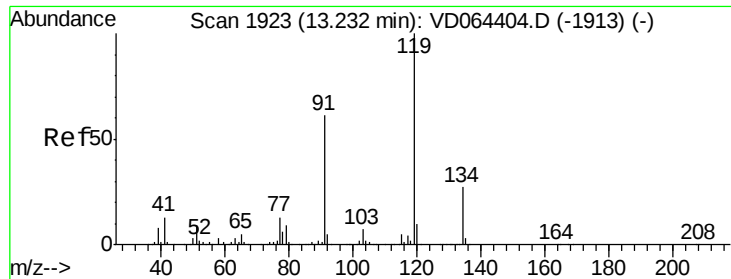
apatel
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#82
4-Chlorotoluene
Concen: 49.755 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.2	54.6





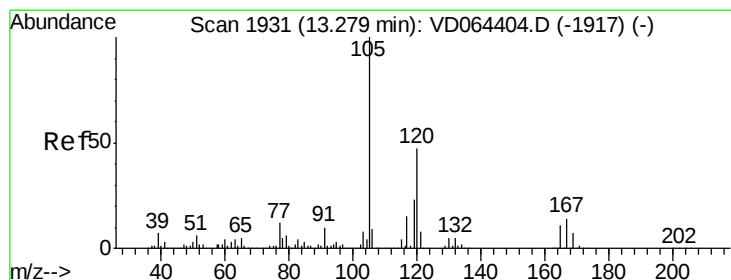
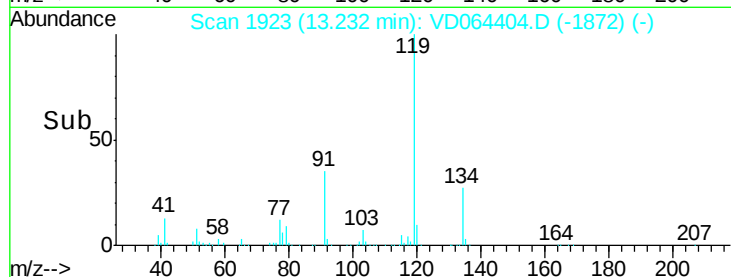
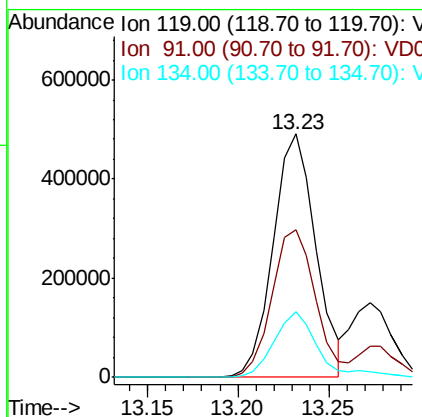
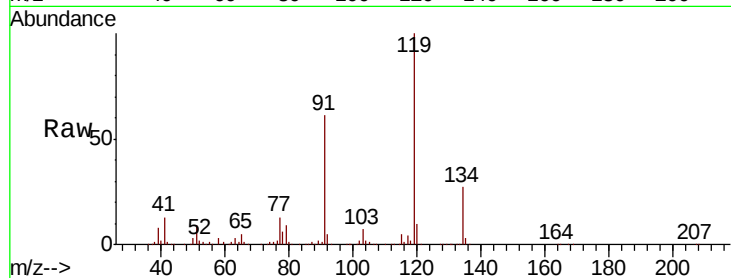
#83
tert-Butylbenzene
Concen: 49.465 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	31.2	93.6
134	27.8	13.9	41.7

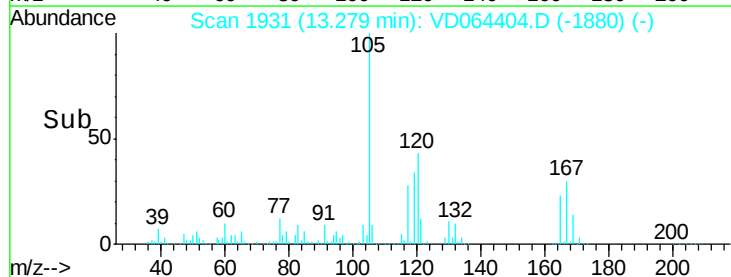
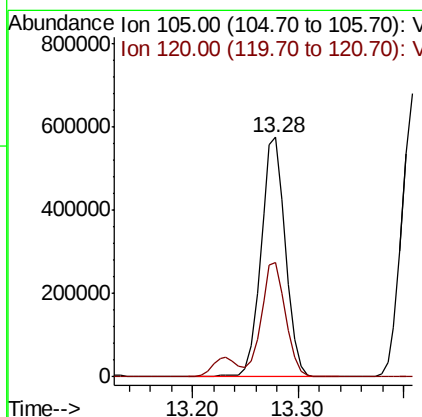
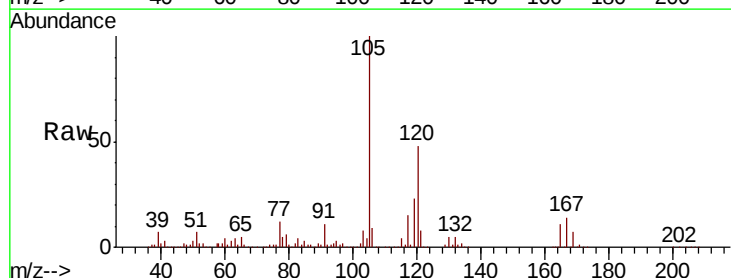
Manual Integrations
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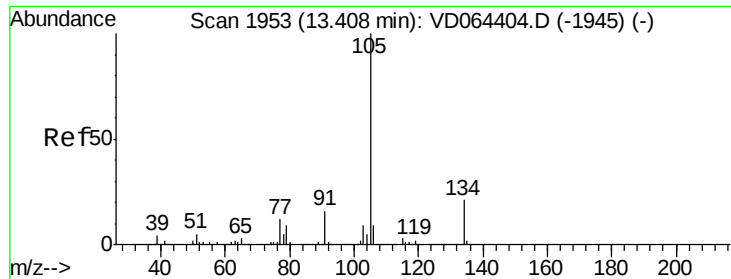
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 50.383 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.6	70.8





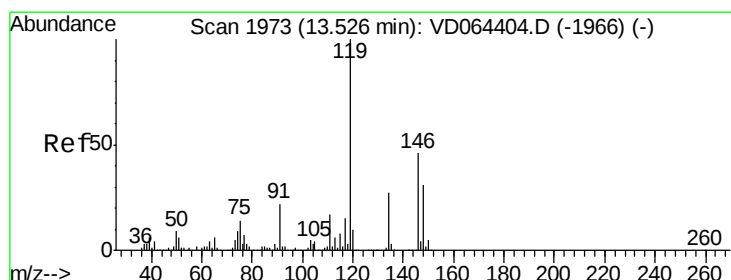
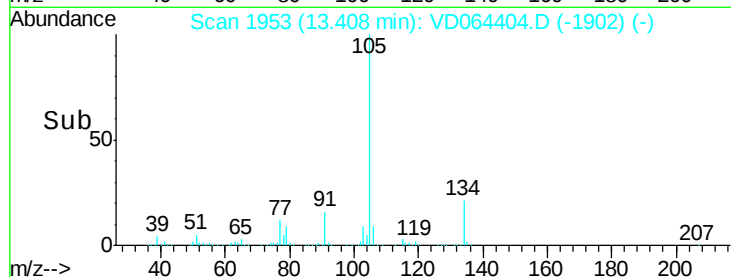
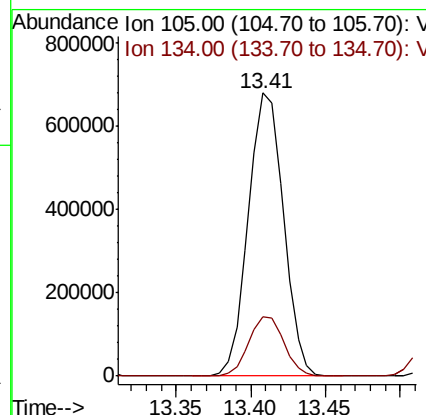
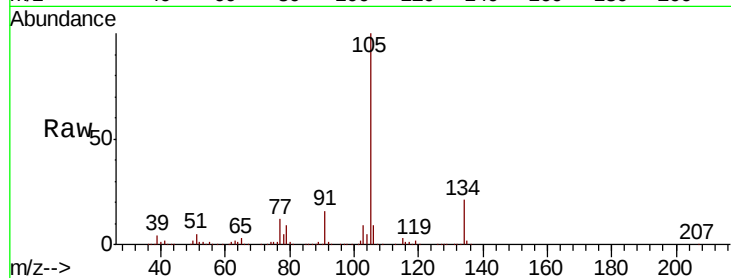
#85
 sec-Butylbenzene
 Concen: 50.575 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1111615
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.5 31.5

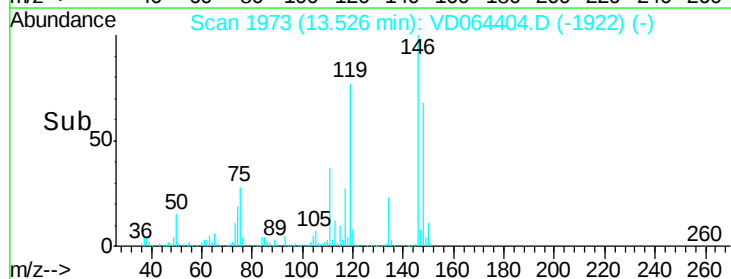
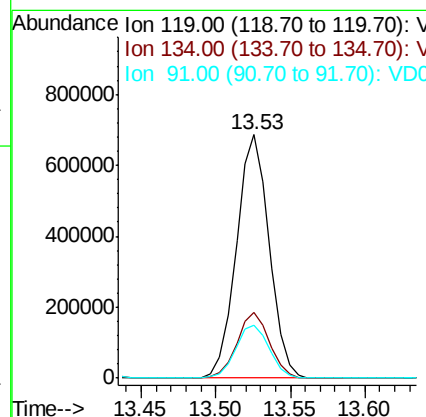
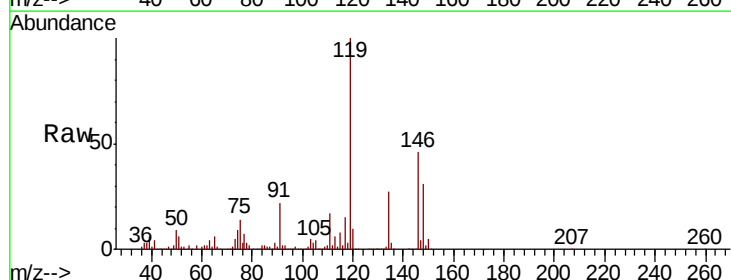
Manual Integrations
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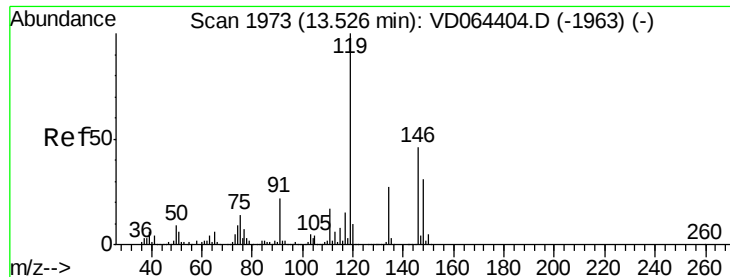
apatel
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#86
 p-Isopropyltoluene
 Concen: 50.000 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion:119 Resp: 1043972
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.4
 91 22.3 11.2 33.5





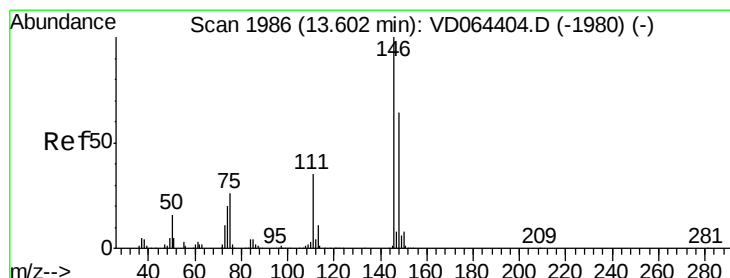
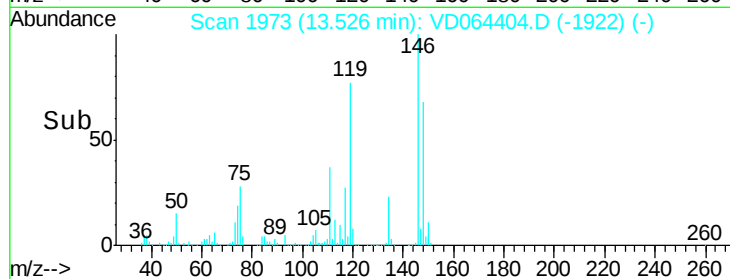
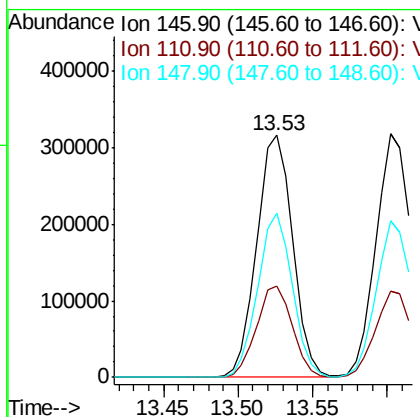
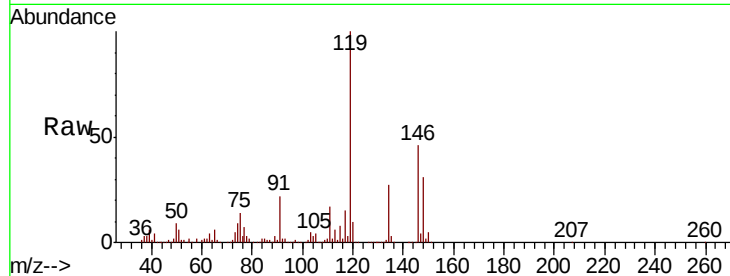
#87
 1,3-Dichlorobenzene
 Concen: 51.307 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	65.2	32.6	97.8

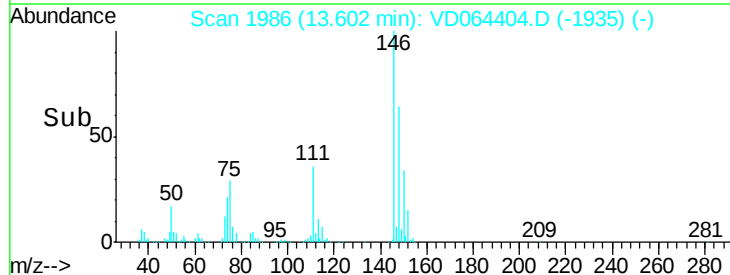
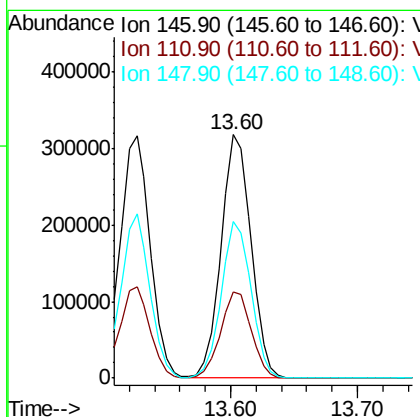
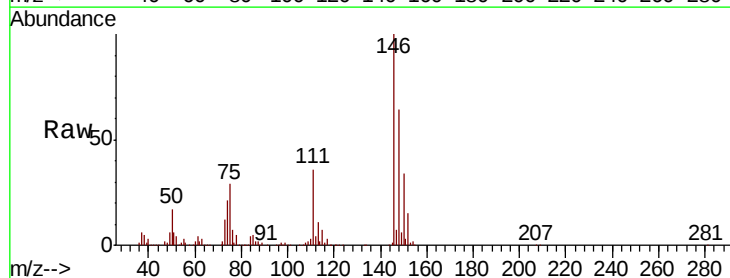
Manual Integrations
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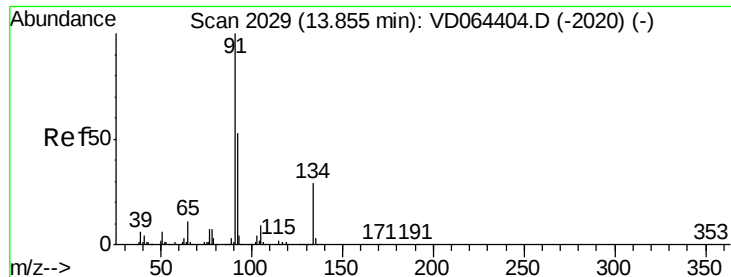
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#88
 1,4-Dichlorobenzene
 Concen: 52.172 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.2	54.6
148	63.6	31.8	95.4





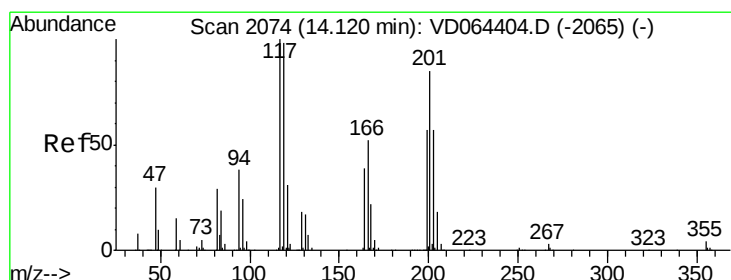
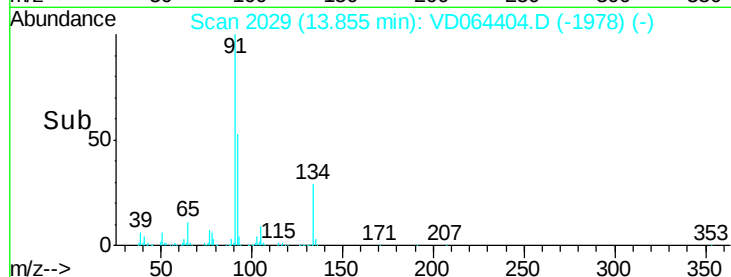
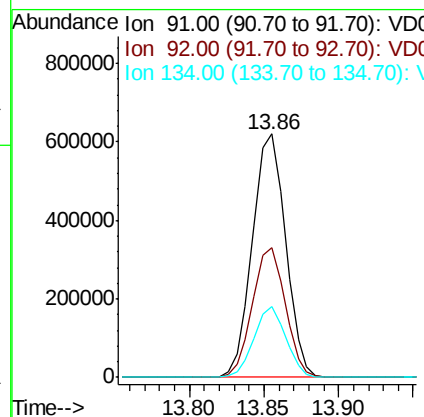
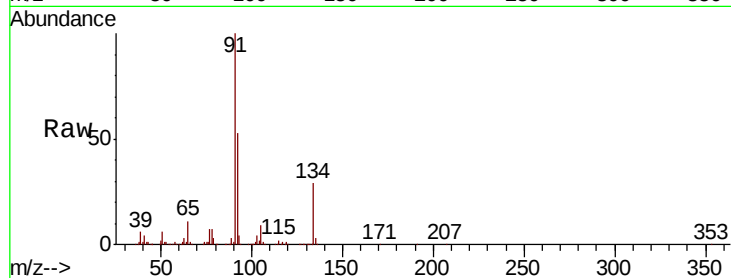
#89
n-Butylbenzene
Concen: 50.603 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.4
134	27.8	13.9	41.7

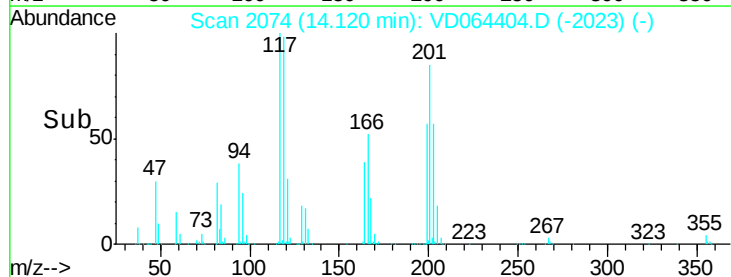
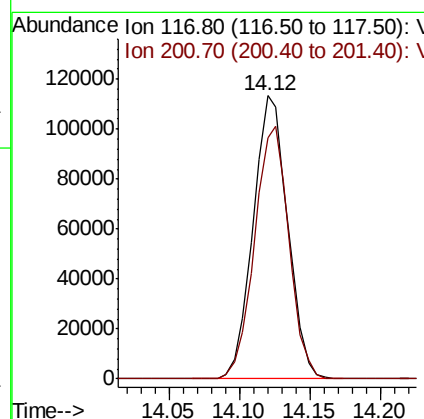
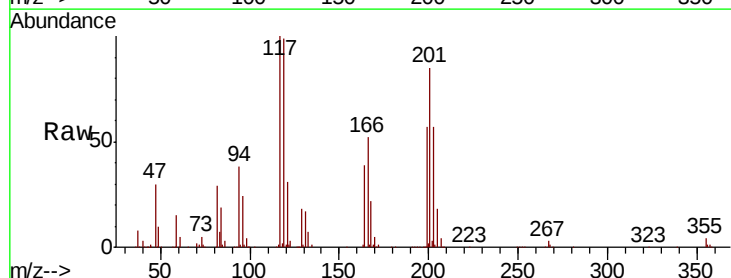
Manual Integrations
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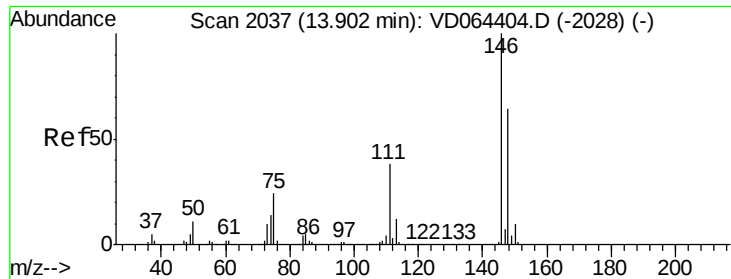
apatel
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#90
Hexachloroethane
Concen: 50.497 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.5	44.3	132.8





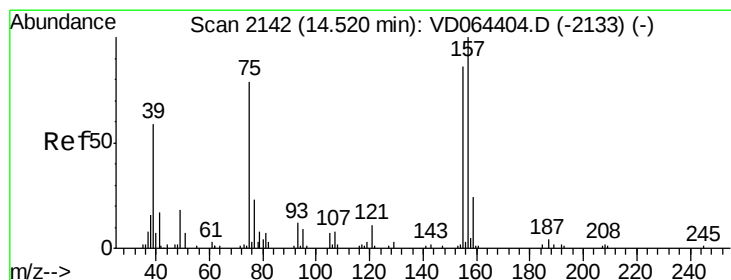
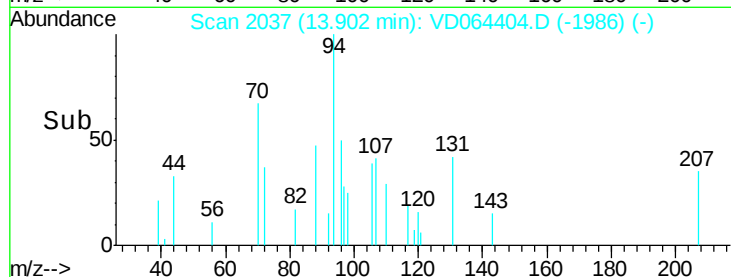
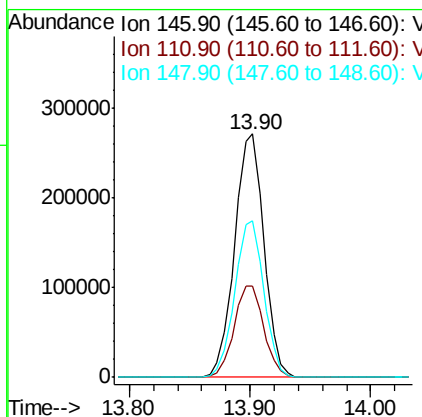
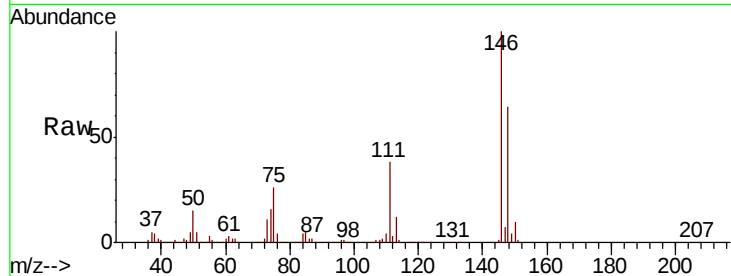
#91
 1,2-Dichlorobenzene
 Concen: 52.759 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.3
148	64.0	32.0	96.0

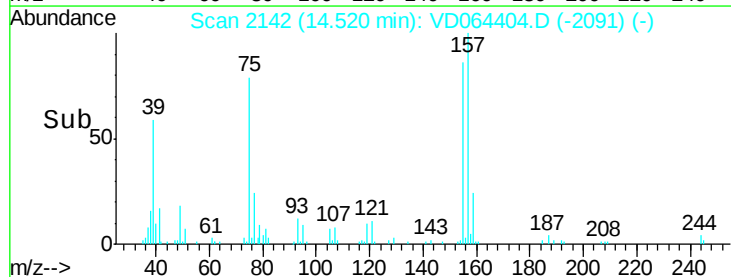
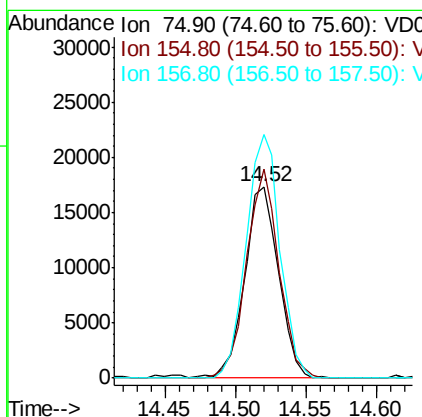
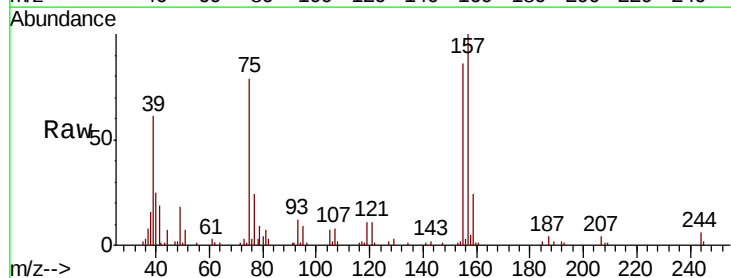
Manual Integrations
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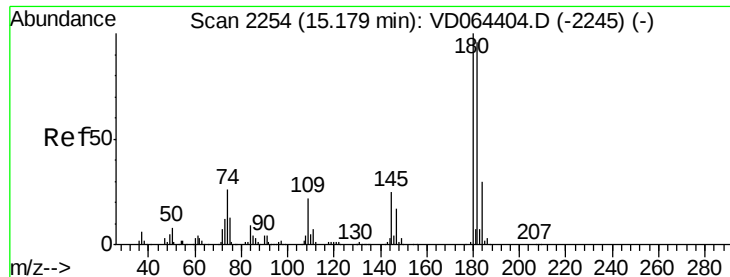
apatel
 12/2/2019 10:56:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.233 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.8	51.9	155.7
157	126.5	63.2	189.8





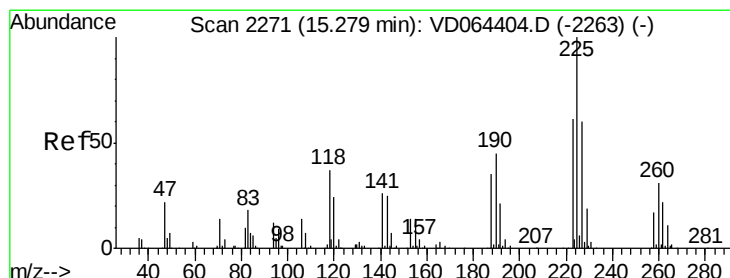
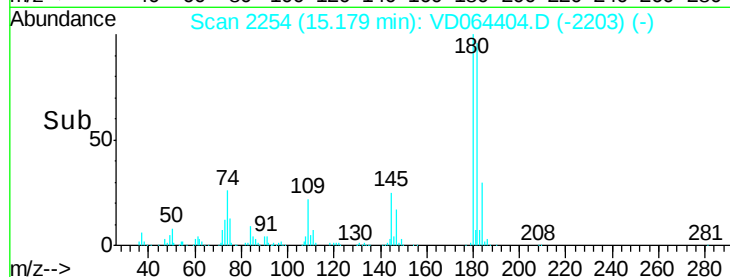
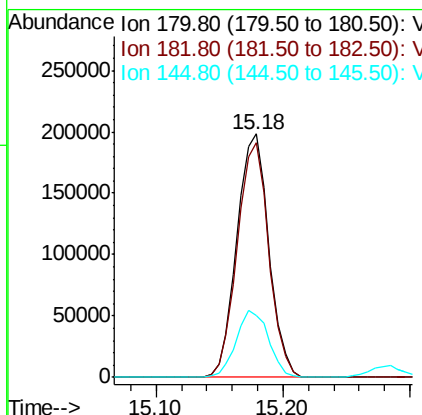
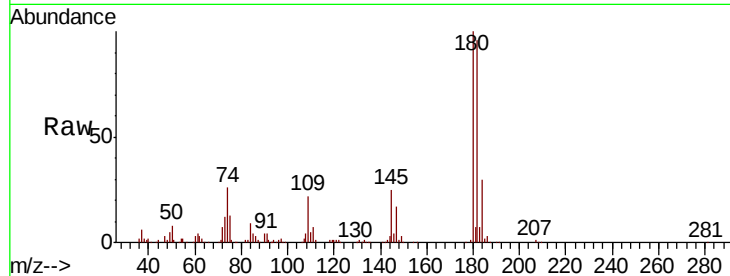
#93
 1,2,4-Trichlorobenzene
 Concen: 51.879 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.9	47.4	142.3	
145	27.9	14.0	41.9	

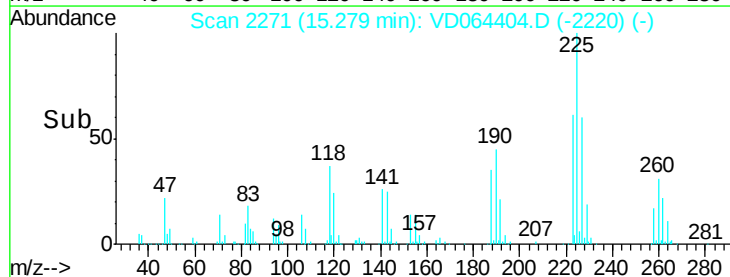
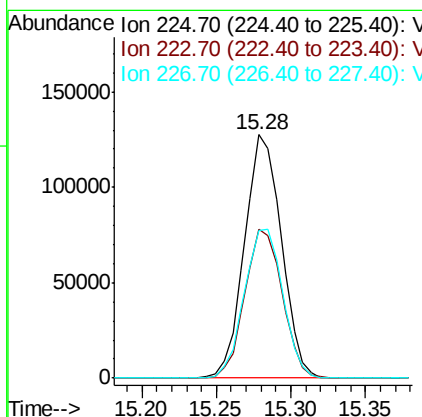
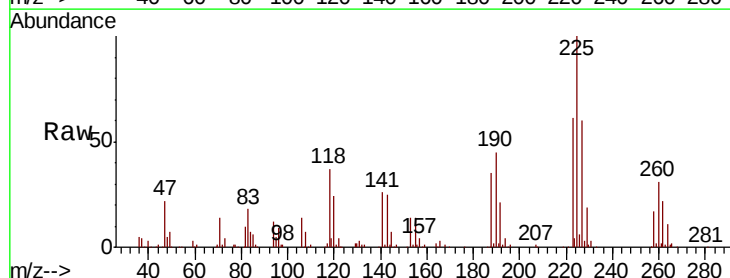
Manual Integrations
 APPROVED

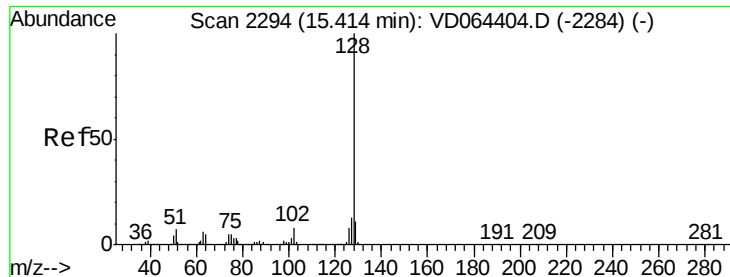
apatel
 12/2/2019 10:56:40 AM



#94
 Hexachlorobutadiene
 Concen: 50.760 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064404.D
 Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	31.1	93.3	
227	63.6	31.8	95.4	





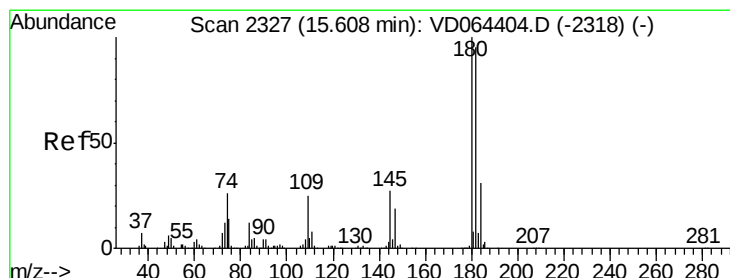
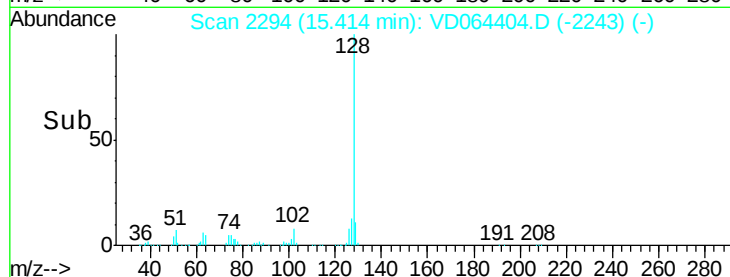
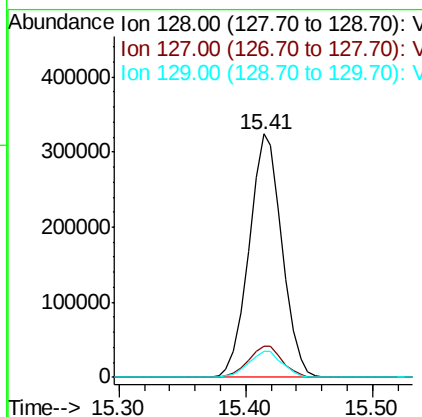
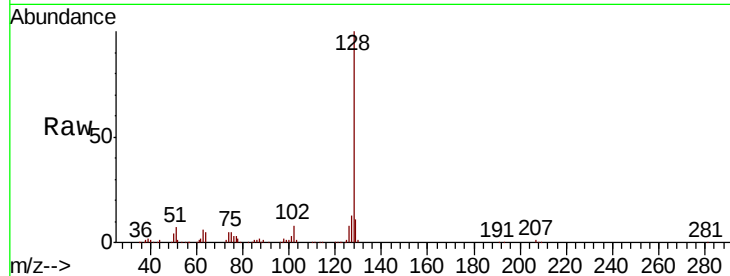
#95
Naphthalene
Concen: 53.014 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

apatel
12/2/2019 10:56:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.731 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064404.D
Acq: 27 Nov 2019 19:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.6	142.9
145	29.2	14.6	43.8

