

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064427.D
 Acq On : 05 Dec 2019 10:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/6/2019 12:59:10 PM

Quant Time: Dec 06 06:05:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	511336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	726767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	623626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	306565	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	215443	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
35) Dibromofluoromethane	7.91	113	224865	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.34	98	864044	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.64	95	264301	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	220357	47.561	ug/l	99
3) Chloromethane	2.21	50	266938	45.679	ug/l	100
4) Vinyl Chloride	2.35	62	325074	48.179	ug/l	100
5) Bromomethane	2.77	94	211966	42.481	ug/l	98
6) Chloroethane	2.93	64	213638	47.371	ug/l	98
7) Trichlorofluoromethane	3.27	101	539016	48.055	ug/l	96
8) Diethyl Ether	3.71	74	101463	43.530	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	234052	48.666	ug/l	98
10) Methyl Iodide	4.30	142	248096	48.849	ug/l	99
11) Tert butyl alcohol	5.25	59	54671	185.566	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	222116	48.193	ug/l	99
13) Acrolein	3.92	56	87584	217.951	ug/l	98
14) Allyl chloride	4.71	41	352206	48.966	ug/l	99
15) Acrylonitrile	5.43	53	213108	209.082	ug/l	99
16) Acetone	4.16	43	247669	264.803	ug/l	98
17) Carbon Disulfide	4.40	76	708485	48.536	ug/l	98
18) Methyl Acetate	4.73	43	127381	46.691	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	461686	43.670	ug/l	98
20) Methylene Chloride	4.97	84	222433	46.494	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	246101	47.205	ug/l	98
22) Diisopropyl ether	6.37	45	655955	46.196	ug/l	96
23) Vinyl Acetate	6.31	43	1847107	220.653	ug/l	100
24) 1,1-Dichloroethane	6.26	63	407029	47.665	ug/l	97
25) 2-Butanone	7.22	43	294210	222.431	ug/l	99
26) 2,2-Dichloropropane	7.21	77	378747	51.001	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	265144	46.649	ug/l	98
28) Bromochloromethane	7.55	49	133682	45.808	ug/l	99
29) Tetrahydrofuran	7.57	42	171756	204.099	ug/l	98
30) Chloroform	7.71	83	414548	46.874	ug/l	99
31) Cyclohexane	7.98	56	391543	52.772	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	399124	48.678	ug/l	99
36) 1,1-Dichloropropene	8.11	75	346100	50.347	ug/l	99
37) Ethyl Acetate	7.30	43	121574	41.680	ug/l	99
38) Carbon Tetrachloride	8.10	117	372186	51.299	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	420490	49.312	ug/l	97
40) Benzene	8.35	78	927992	48.605	ug/l	98
41) Methacrylonitrile	7.53	41	73488	43.932	ug/l	94
42) 1,2-Dichloroethane	8.43	62	256424	46.054	ug/l	98
43) Isopropyl Acetate	8.46	43	249617	43.524	ug/l	98
44) Trichloroethene	9.11	130	276797	48.129	ug/l	98
45) 1,2-Dichloropropane	9.38	63	219392	48.048	ug/l	96
46) Dibromomethane	9.48	93	118986	46.170	ug/l	98
47) Bromodichloromethane	9.66	83	322357	48.681	ug/l	96
48) Methyl methacrylate	9.46	41	125724	47.907	ug/l	89
49) 1,4-Dioxane	9.47	88	26021	817.661	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	607480	214.076	ug/l	100
52) Toluene	10.40	92	597725	48.038	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	296088	46.917	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	357182	47.643	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	159455	45.187	ug/l	97
56) Ethyl methacrylate	10.66	69	196167	43.585	ug/l	99
57) 1,3-Dichloropropane	10.95	76	274467	45.691	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	408440	227.646	ug/l	99
59) 2-Hexanone	10.99	43	445257	226.129	ug/l	98
60) Dibromochloromethane	11.14	129	217692	45.499	ug/l	99
61) 1,2-Dibromoethane	11.25	107	157269	44.636	ug/l	98
64) Tetrachloroethene	10.88	164	234575	49.326	ug/l	99
65) Chlorobenzene	11.67	112	618980	47.589	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	237866	49.401	ug/l	98
67) Ethyl Benzene	11.75	91	1139915	49.257	ug/l	99
68) m/p-Xylenes	11.86	106	876684	99.354	ug/l	99
69) o-Xylene	12.18	106	395779	48.566	ug/l	98
70) Styrene	12.20	104	698775	49.343	ug/l	98
71) Bromoform	12.37	173	128486	44.602	ug/l #	97
73) Isopropylbenzene	12.48	105	1102878	50.021	ug/l	100
74) N-amyl acetate	12.30	43	218906	43.745	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	158965	43.598	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	106518m	42.251	ug/l	
77) Bromobenzene	12.77	156	257051	47.210	ug/l	98
78) n-propylbenzene	12.83	91	1264536	49.707	ug/l	99
79) 2-Chlorotoluene	12.91	91	685247	48.953	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	890884	49.444	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	54185	46.865	ug/l	97
82) 4-Chlorotoluene	13.01	91	734765	49.576	ug/l	98
83) tert-Butylbenzene	13.23	119	775163	49.486	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	883855	48.784	ug/l	100
85) sec-Butylbenzene	13.41	105	1070009	49.770	ug/l	100
86) p-Isopropyltoluene	13.53	119	1019056	50.207	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	492944	47.701	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	483648	47.404	ug/l	100
89) n-Butylbenzene	13.86	91	927786	50.335	ug/l	100
90) Hexachloroethane	14.12	117	188861	49.749	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	408829	46.291	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25501	46.501	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	307021	45.392	ug/l	98
94) Hexachlorobutadiene	15.28	225	196935	47.164	ug/l	96
95) Naphthalene	15.41	128	489634	43.377	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	264391	45.793	ug/l	100

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

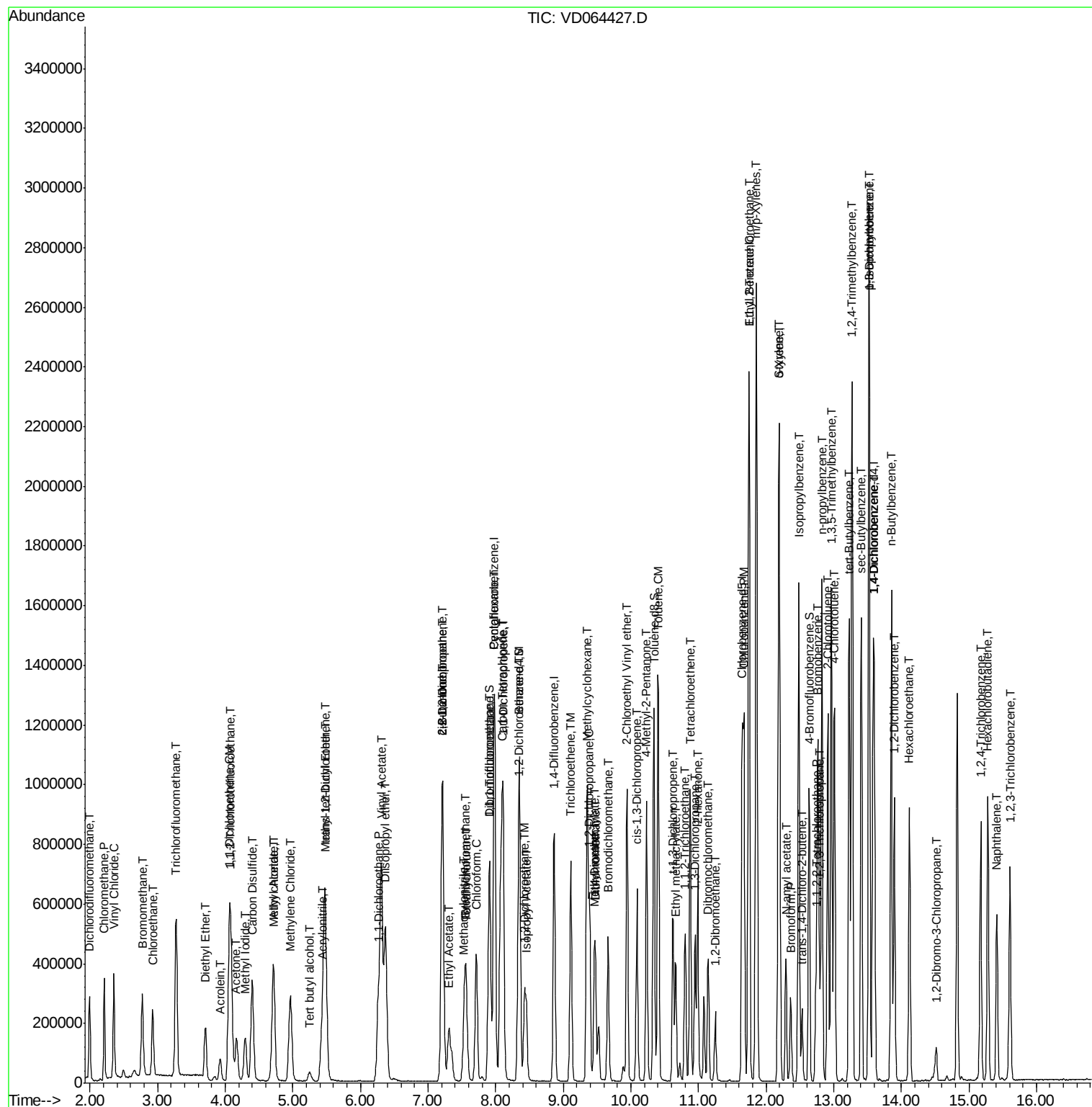
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120519\
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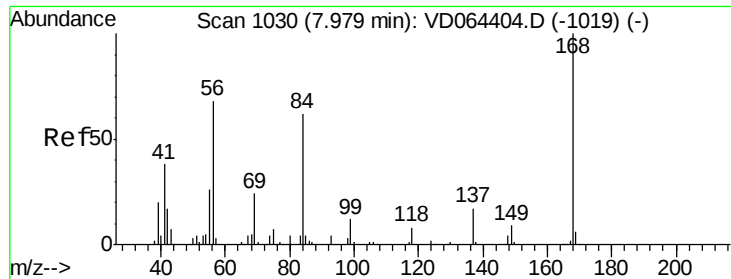
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 511336

Ion Ratio Lower Upper

168 100

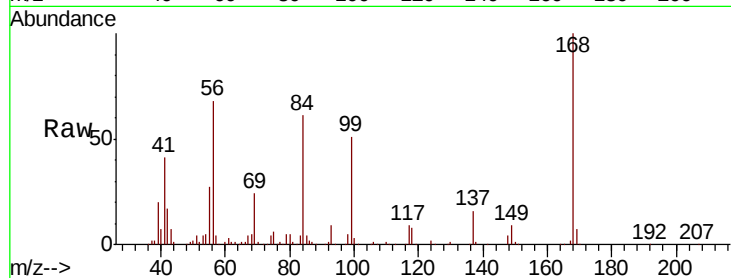
99 50.1 40.7 61.1

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

250000

200000

150000

100000

50000

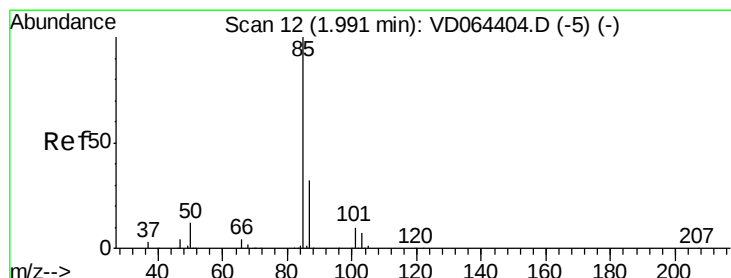
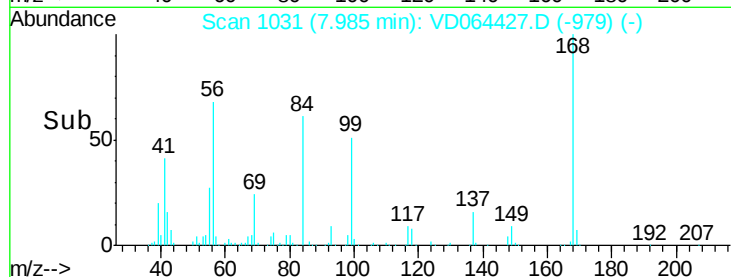
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.561 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064427.D

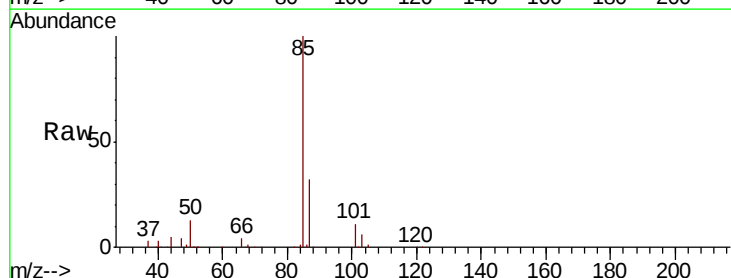
Acq: 05 Dec 2019 10:31

Tgt Ion: 85 Resp: 220357

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

100000

50000

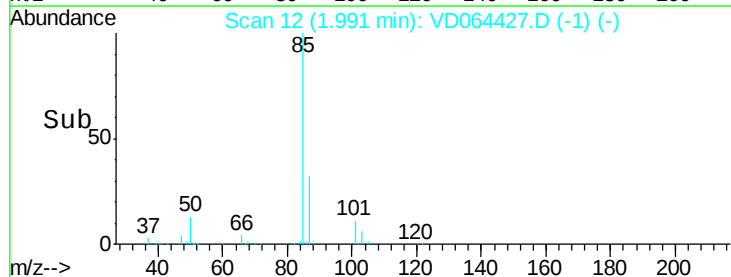
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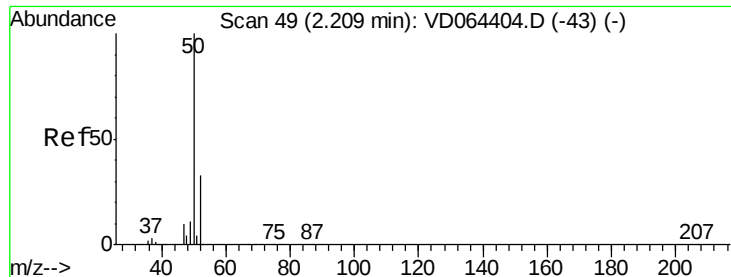
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 45.679 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 266938

Ion Ratio Lower Upper

50 100

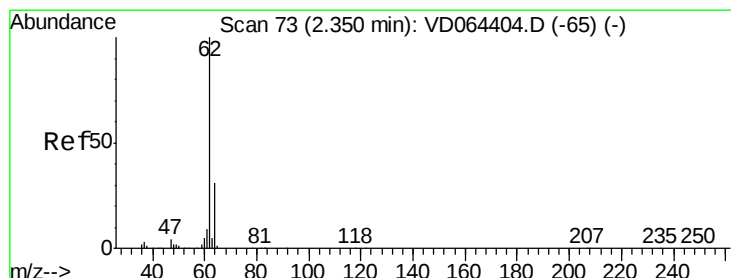
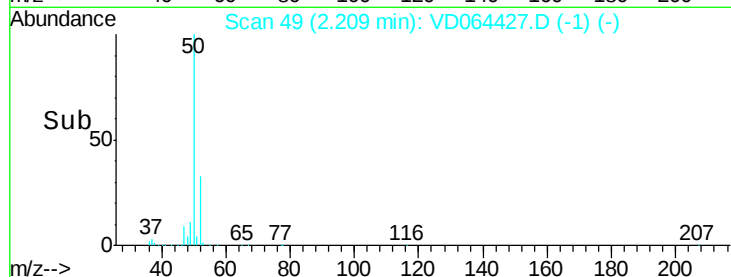
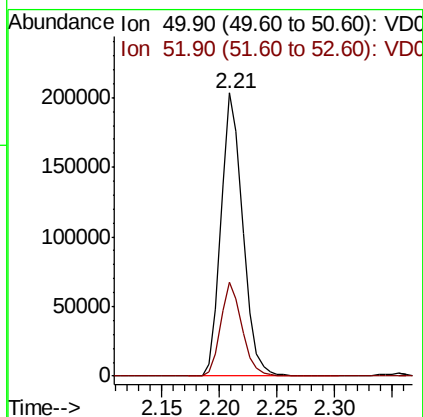
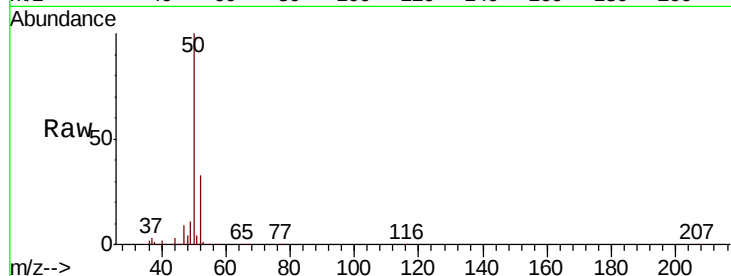
52 33.3 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.179 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064427.D

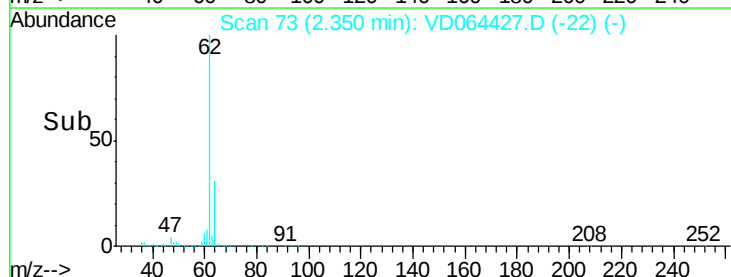
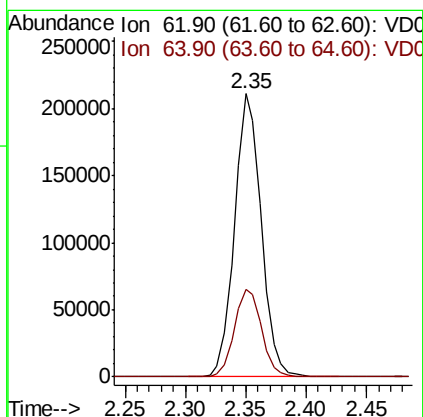
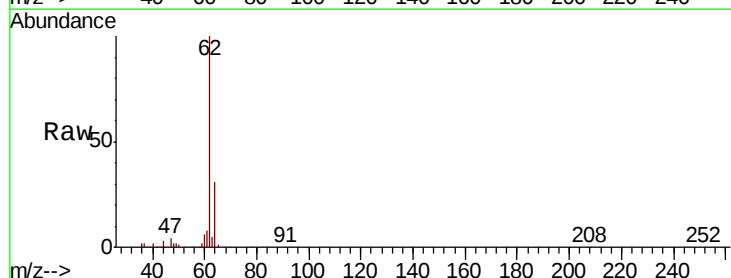
Acq: 05 Dec 2019 10:31

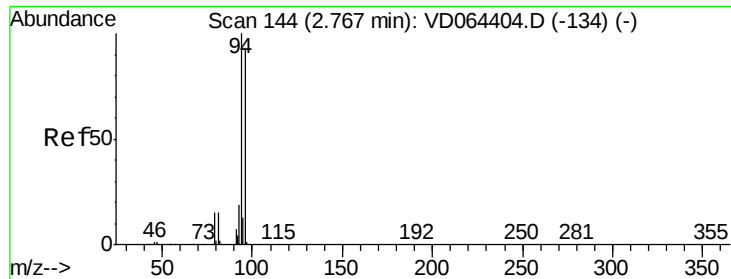
Tgt Ion: 62 Resp: 325074

Ion Ratio Lower Upper

62 100

64 31.1 25.0 37.4





#5

Bromomethane

Concen: 42.481 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 211966

Ion Ratio Lower Upper

94 100

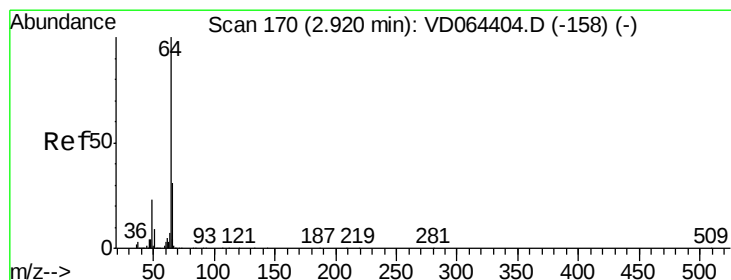
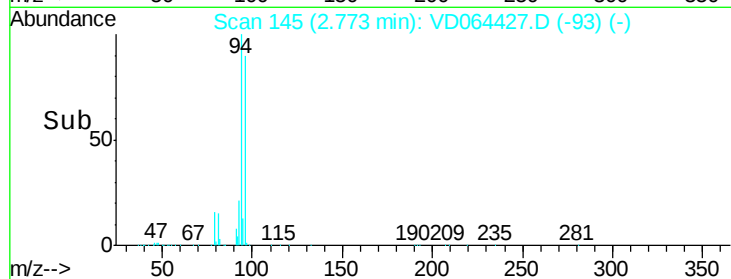
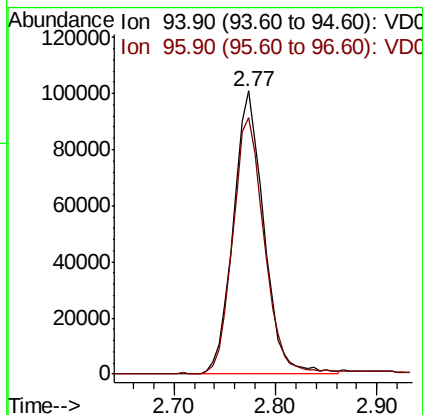
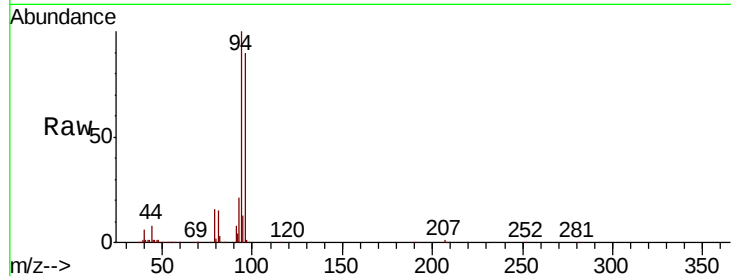
96 90.2 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 47.371 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064427.D

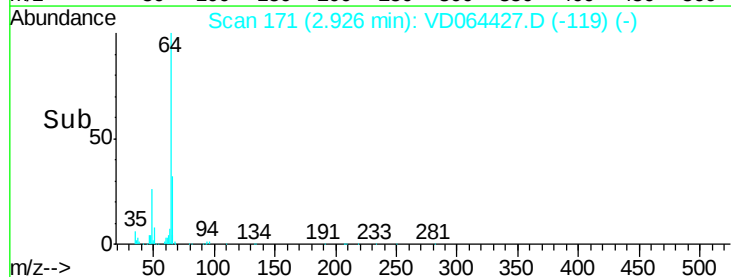
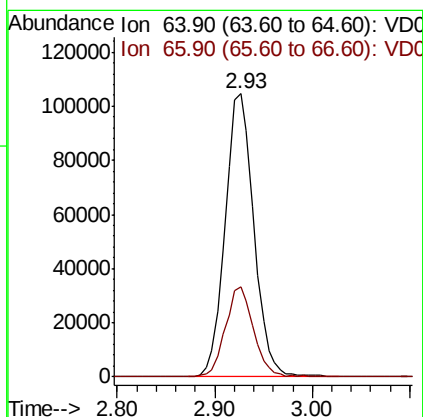
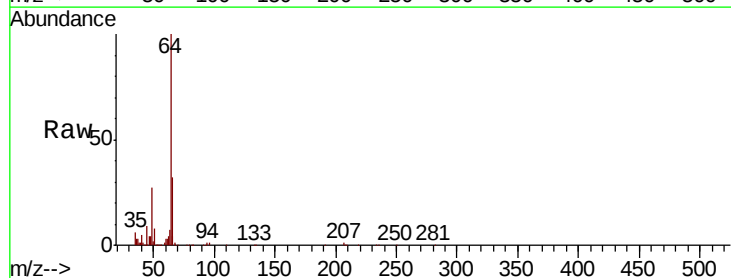
Acq: 05 Dec 2019 10:31

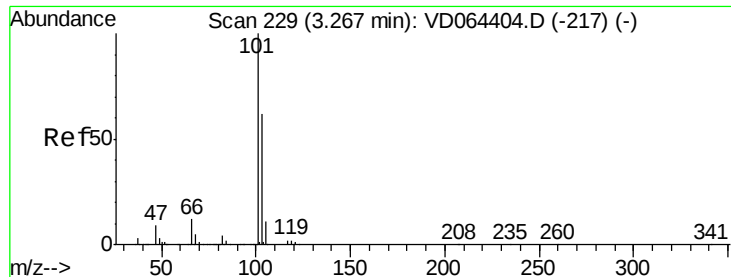
Tgt Ion: 64 Resp: 213638

Ion Ratio Lower Upper

64 100

66 31.8 24.6 37.0





#7

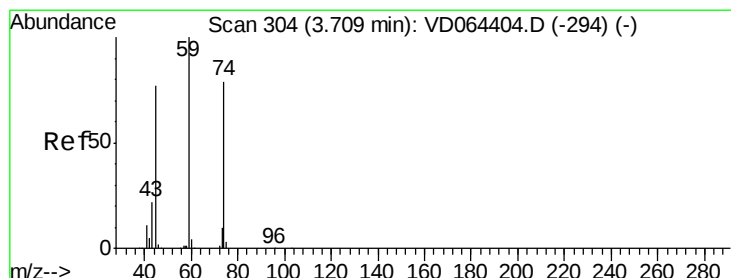
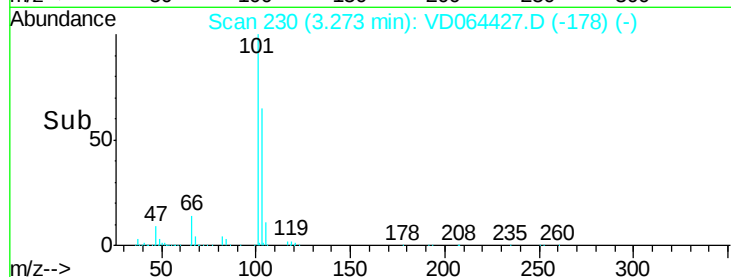
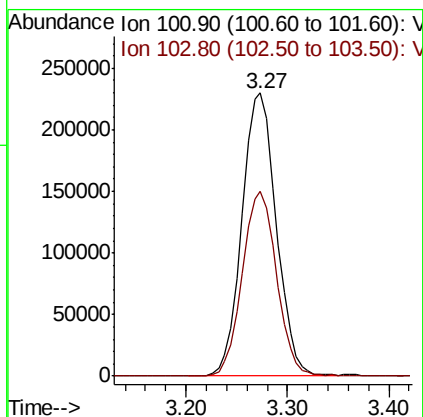
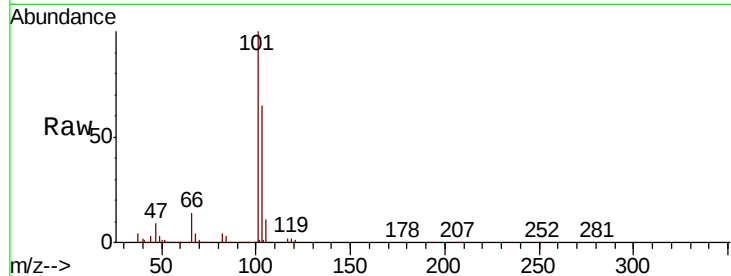
Trichlorofluoromethane
Concen: 48.055 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064427.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	49.8	74.6

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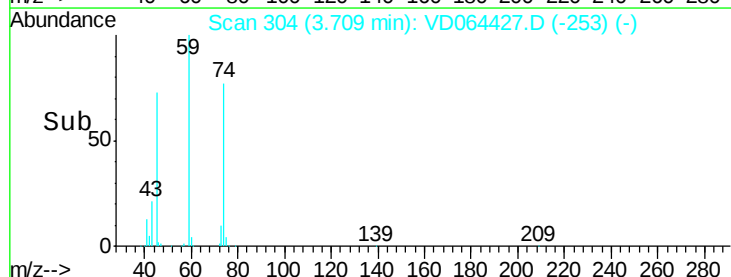
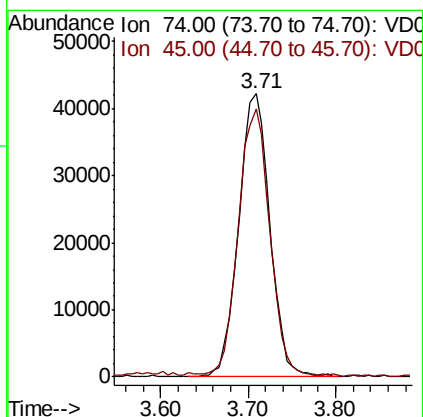
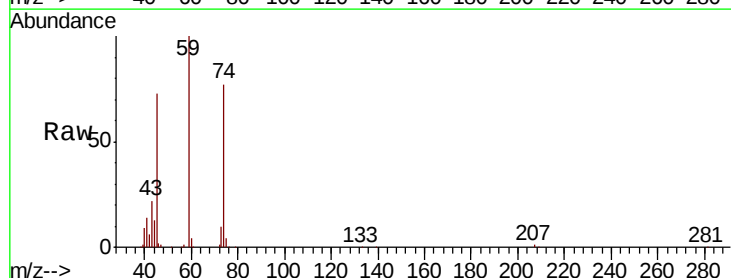
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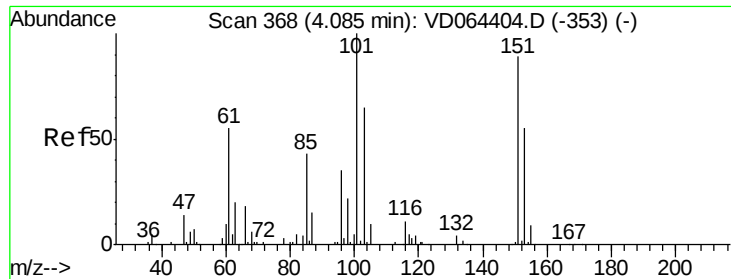


#8

Diethyl Ether
Concen: 43.530 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.666 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

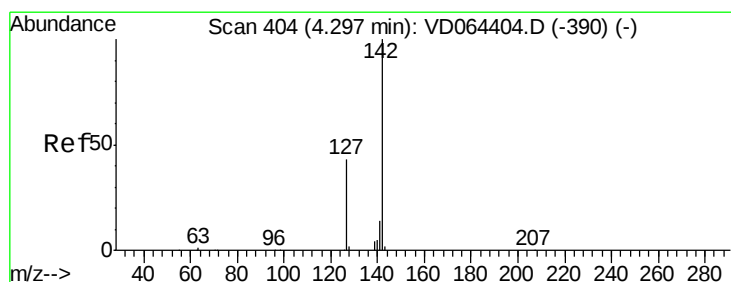
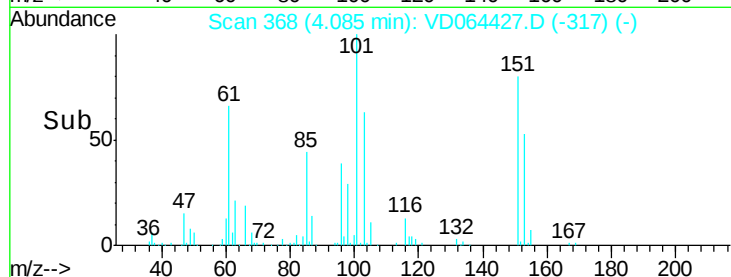
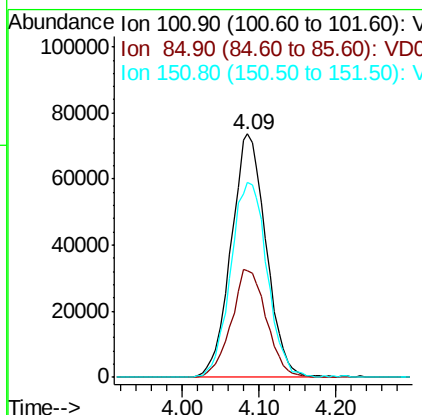
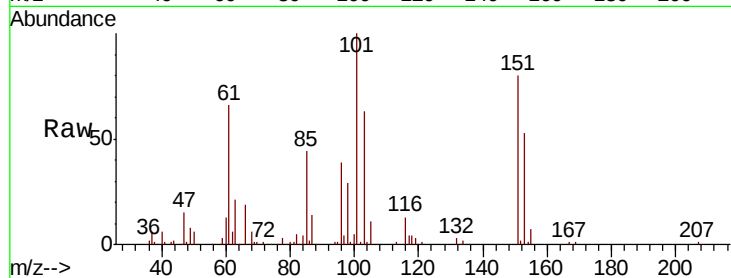
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	234052
Ion Ratio	Lower	Upper	
101	100		
85	44.4	34.8	52.2
151	83.4	68.8	103.2

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#10

Methyl Iodide

Concen: 48.849 ug/l

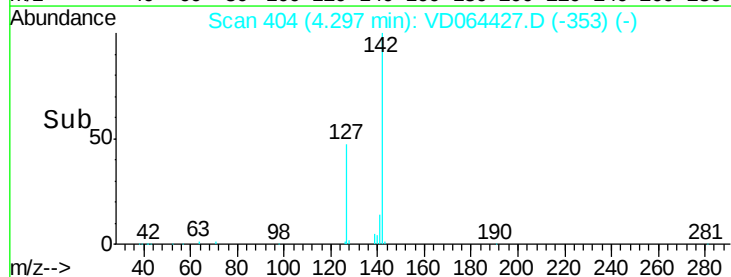
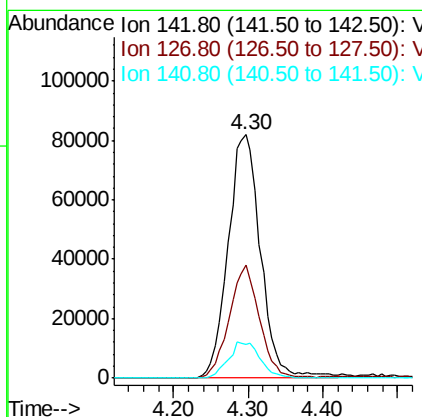
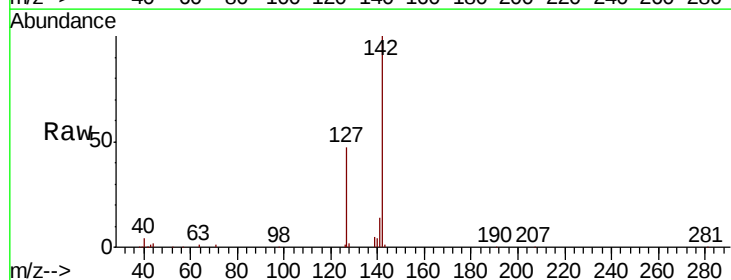
RT: 4.30 min Scan# 404

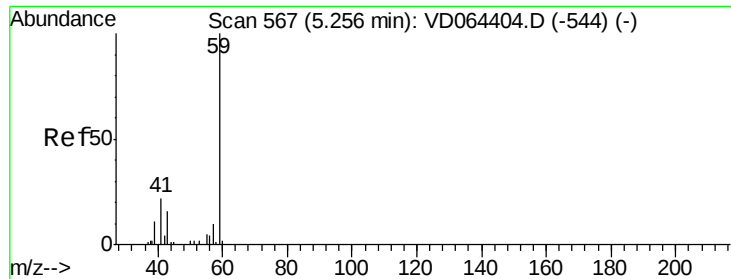
Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Tgt Ion:	142	Resp:	248096
Ion Ratio	Lower	Upper	
142	100		
127	43.0	35.3	52.9
141	14.4	11.6	17.4





#11

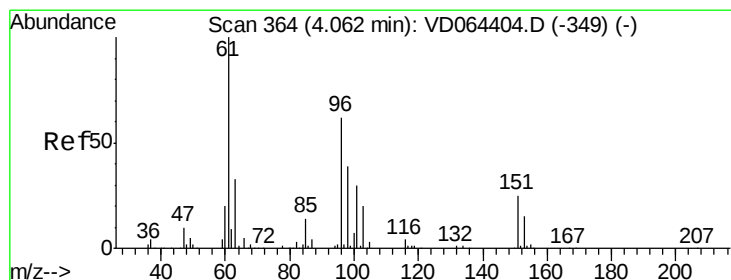
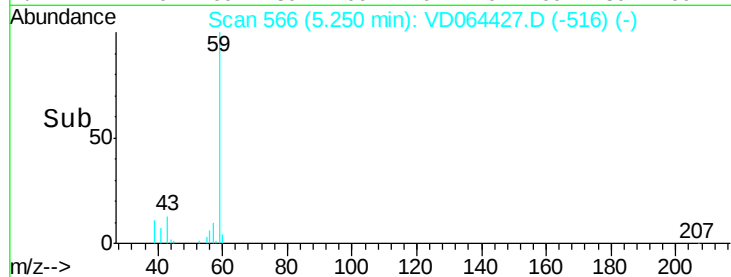
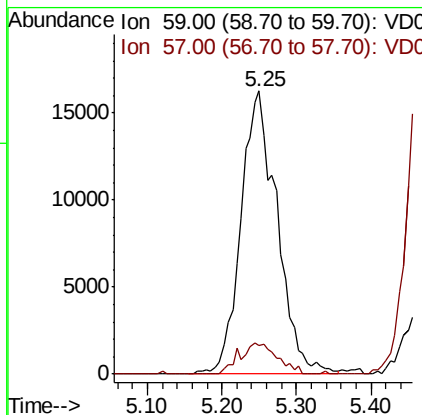
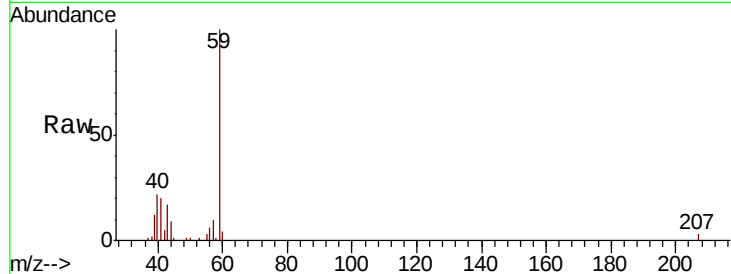
Tert butyl alcohol
 Concen: 185.566 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 54671
 Ion Ratio Lower Upper
 59 100
 57 11.7 0.0 0.0#

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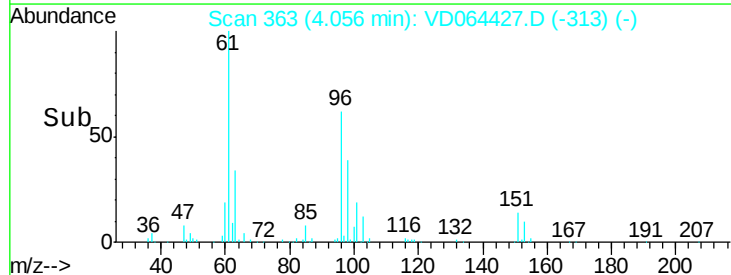
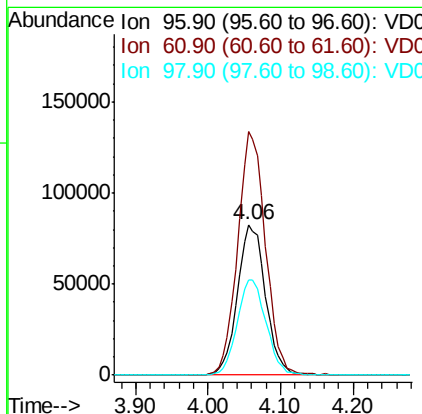
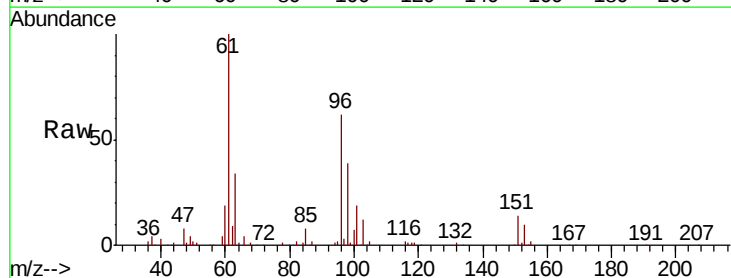
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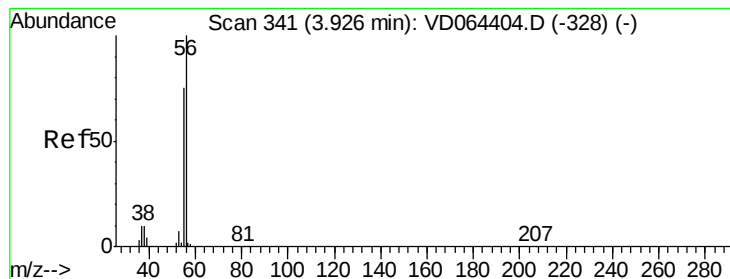


#12

1,1-Dichloroethene
 Concen: 48.193 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion: 96 Resp: 222116
 Ion Ratio Lower Upper
 96 100
 61 162.0 128.2 192.4
 98 63.0 50.4 75.6





#13

Acrolein

Concen: 217.951 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 87584

Ion Ratio Lower Upper

56 100

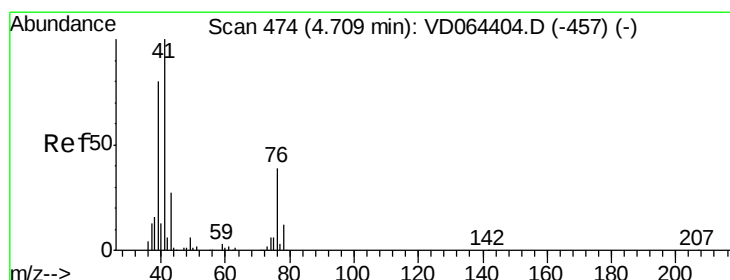
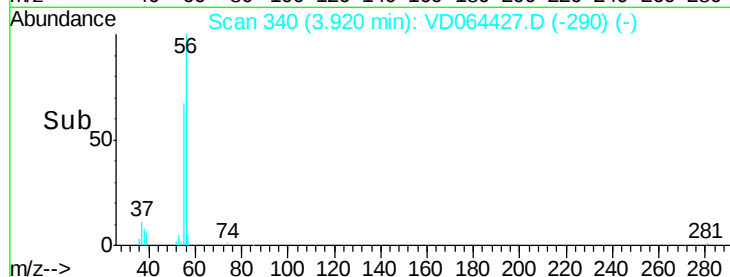
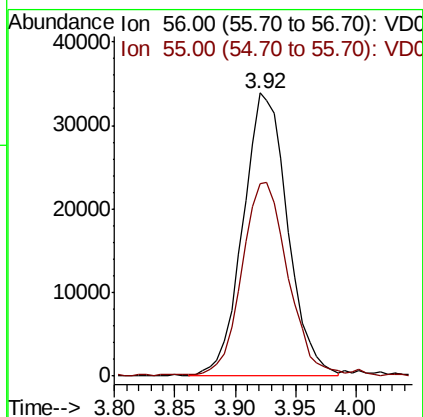
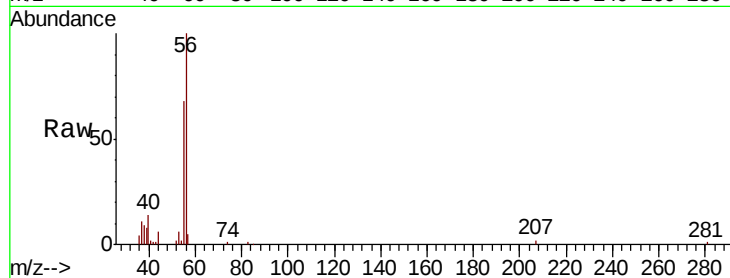
55 69.1 56.9 85.3

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#14

Allyl chloride

Concen: 48.966 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

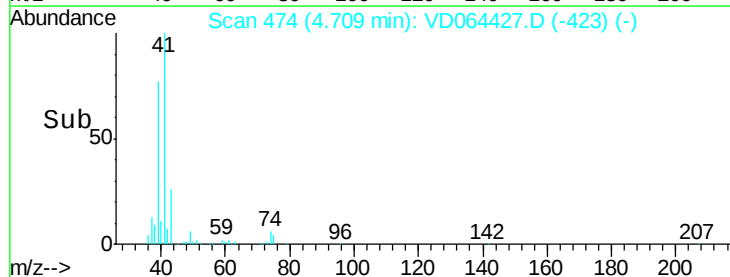
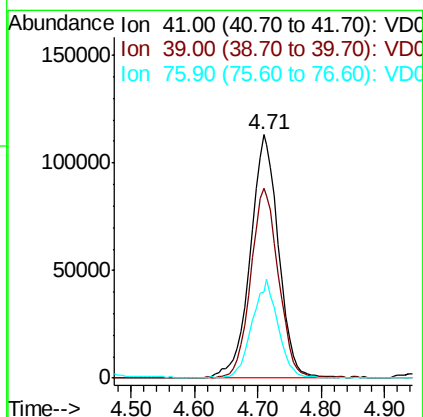
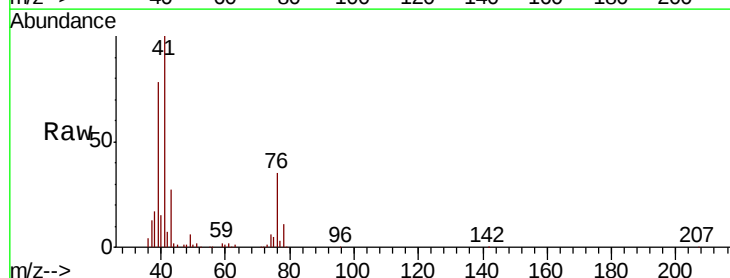
Tgt Ion: 41 Resp: 352206

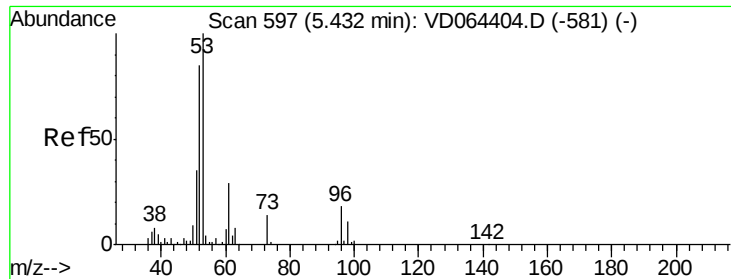
Ion Ratio Lower Upper

41 100

39 76.8 62.1 93.1

76 36.5 29.8 44.8





#15

Acrylonitrile

Concen: 209.082 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

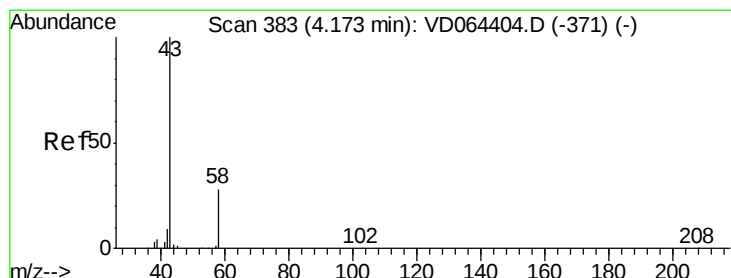
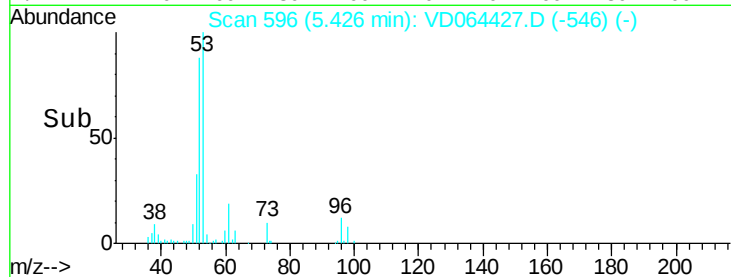
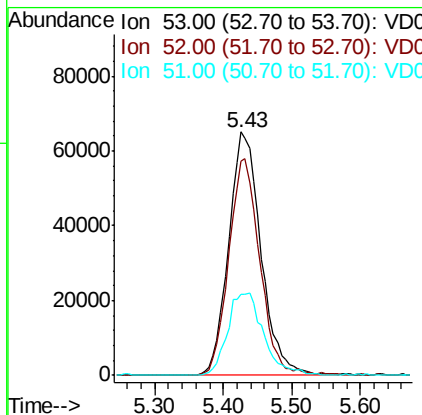
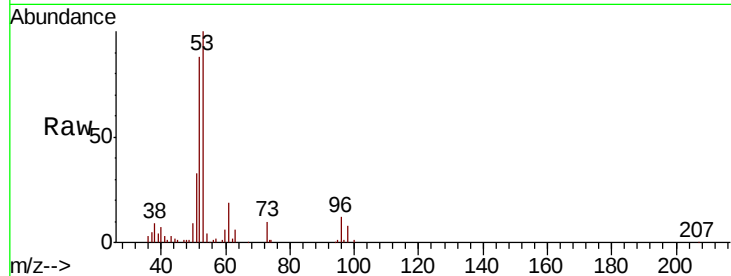
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	213108
Ion Ratio	Lower	Upper	
53	100		
52	85.2	67.9	101.9
51	37.6	30.6	45.8

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#16

Acetone

Concen: 264.803 ug/l

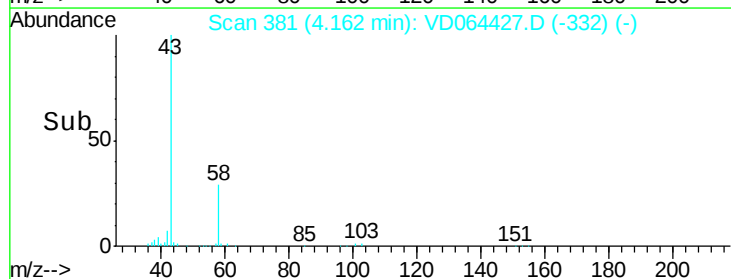
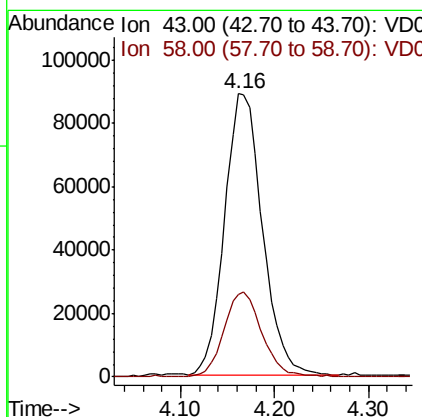
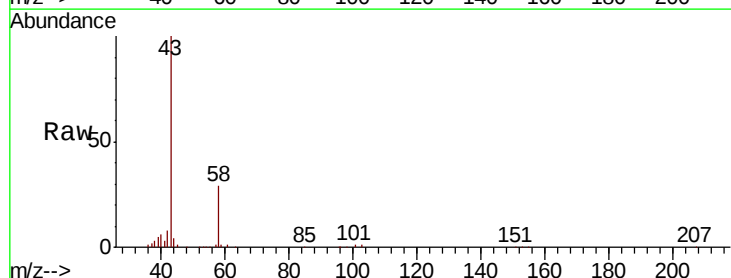
RT: 4.16 min Scan# 381

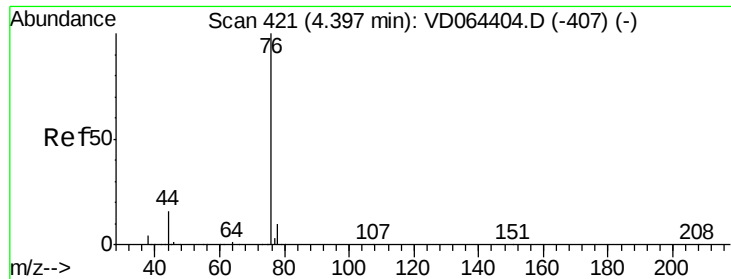
Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Tgt Ion:	43	Resp:	247669
Ion Ratio	Lower	Upper	
43	100		
58	29.2	22.6	33.8





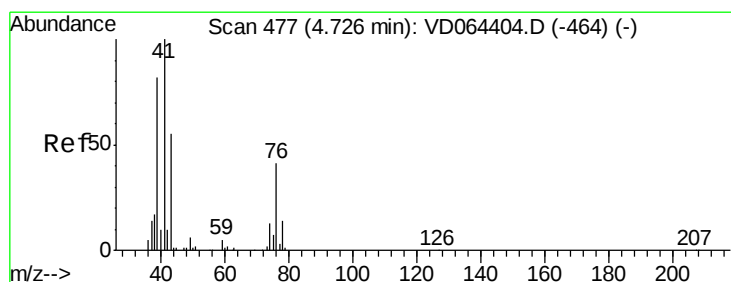
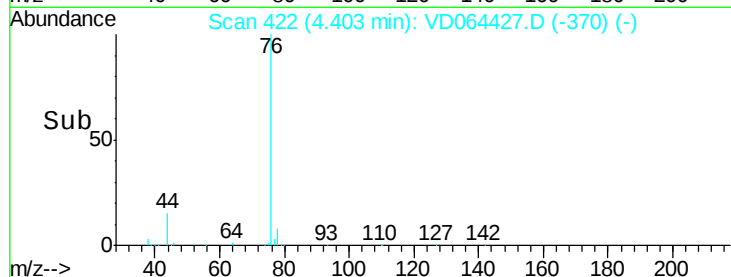
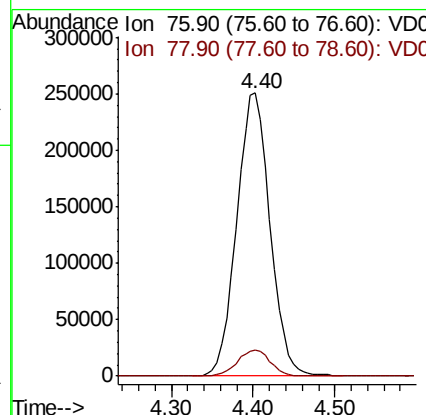
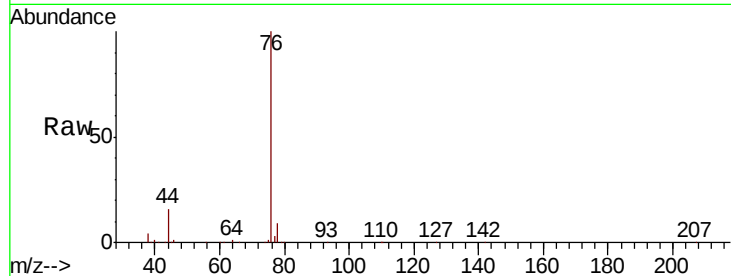
#17
Carbon Disulfide
Concen: 48.536 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.8	11.8

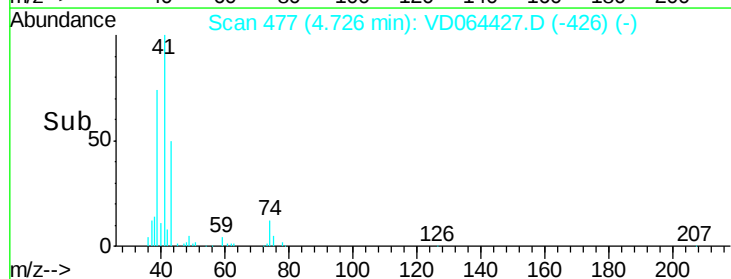
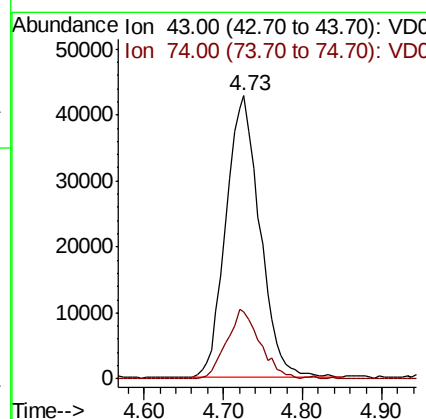
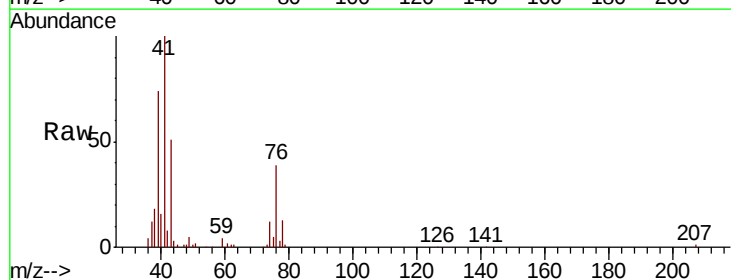
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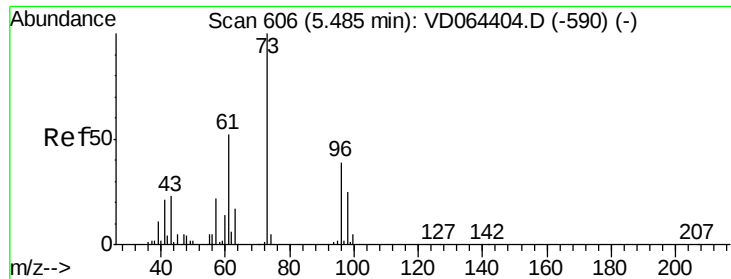
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#18
Methyl Acetate
Concen: 46.691 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.7	29.5





#19

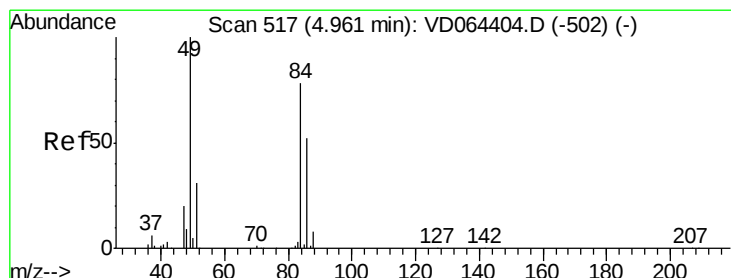
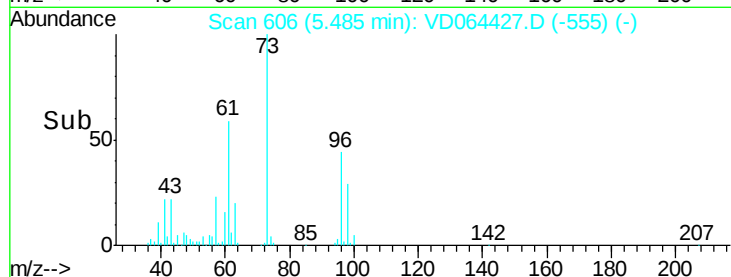
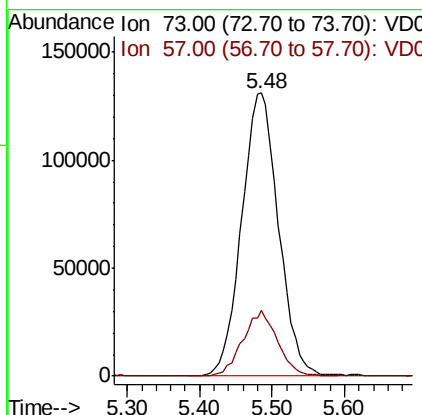
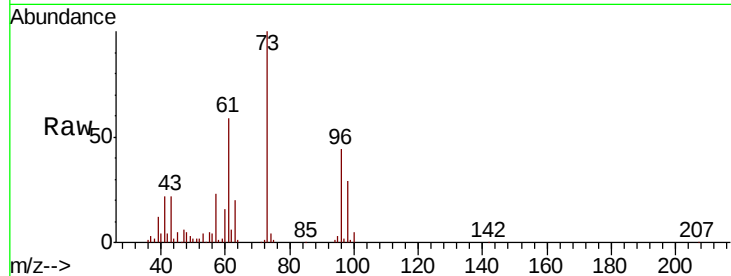
Methyl tert-butyl Ether
 Concen: 43.670 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 73 Resp: 461686
 Ion Ratio Lower Upper
 73 100
 57 23.2 17.6 26.4

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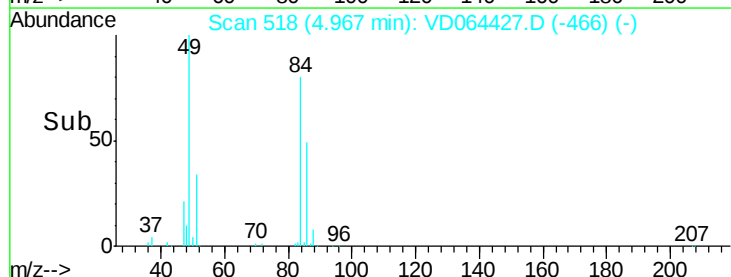
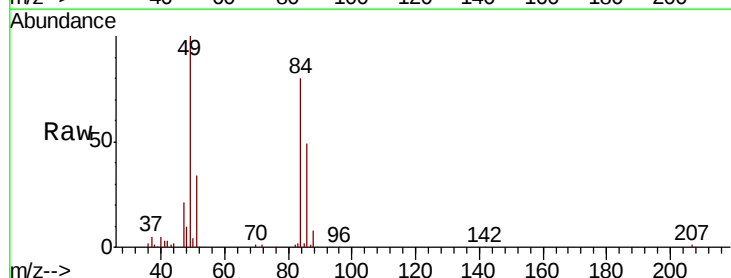
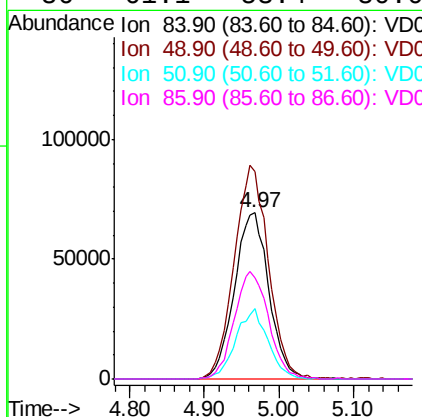
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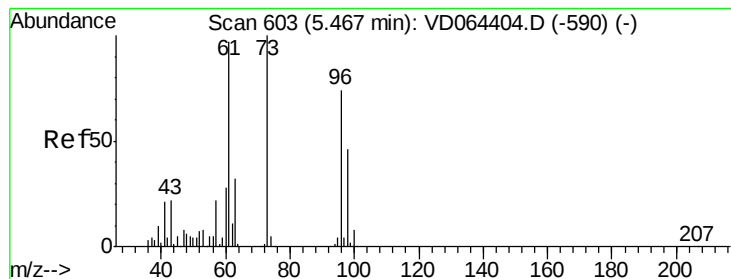


#20

Methylene Chloride
 Concen: 46.494 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion: 84 Resp: 222433
 Ion Ratio Lower Upper
 84 100
 49 124.9 102.6 153.8
 51 42.3 32.0 48.0
 86 61.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 47.205 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

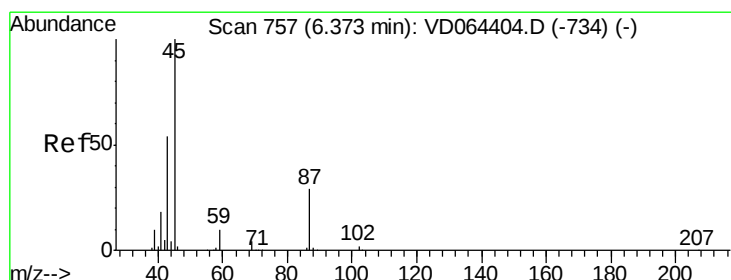
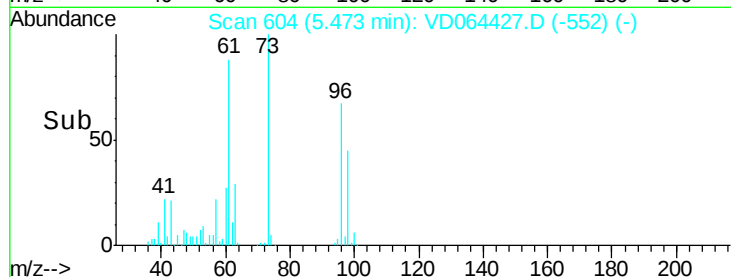
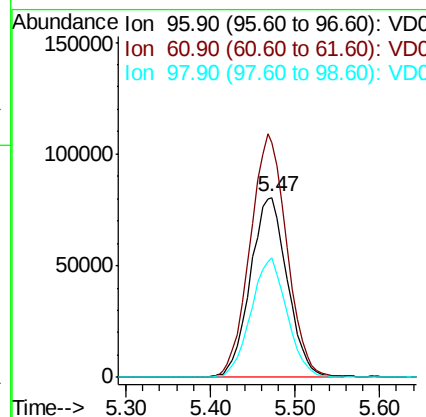
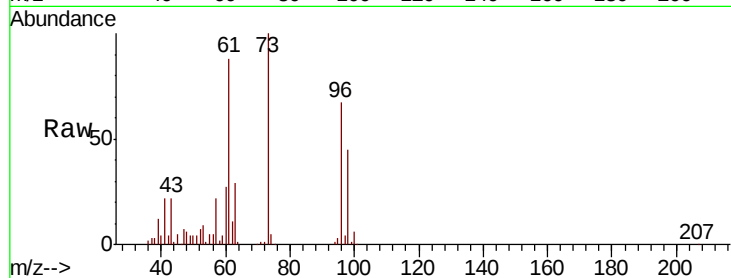
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	246101
Ion	Ratio	Lower	Upper
96	100		
61	130.8	105.8	158.6
98	66.3	50.1	75.1

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#22

Diisopropyl ether

Concen: 46.196 ug/l

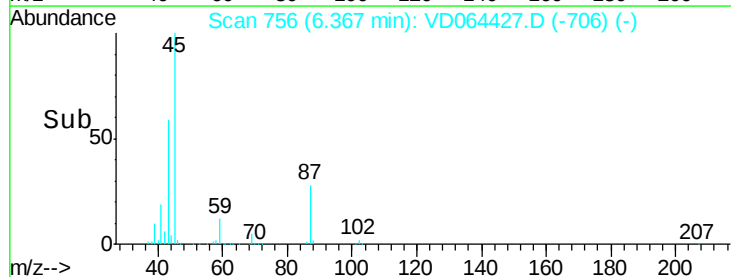
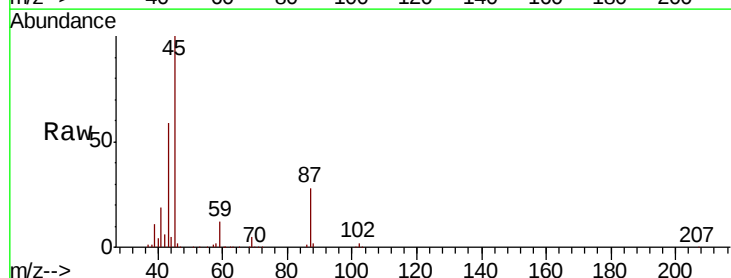
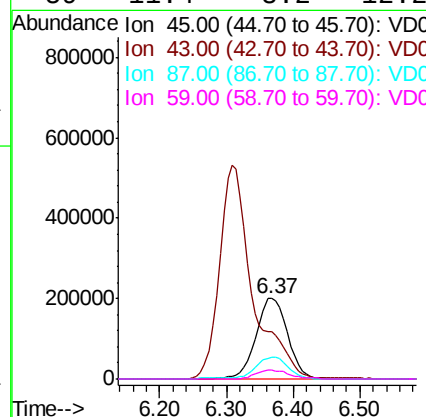
RT: 6.37 min Scan# 756

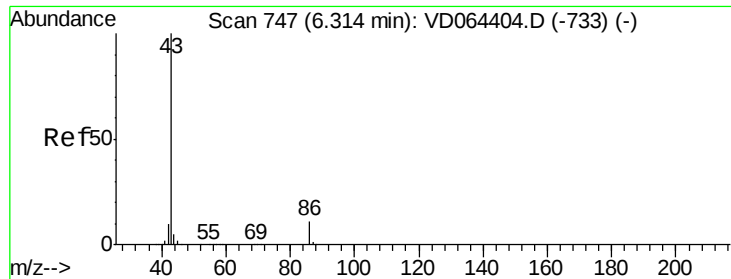
Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Tgt Ion:	45	Resp:	655955
Ion	Ratio	Lower	Upper
45	100		
43	57.6	43.1	64.7
87	27.6	23.5	35.3
59	11.4	8.2	12.2





#23

Vinyl Acetate

Concen: 220.653 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1847107

Ion Ratio Lower Upper

43 100

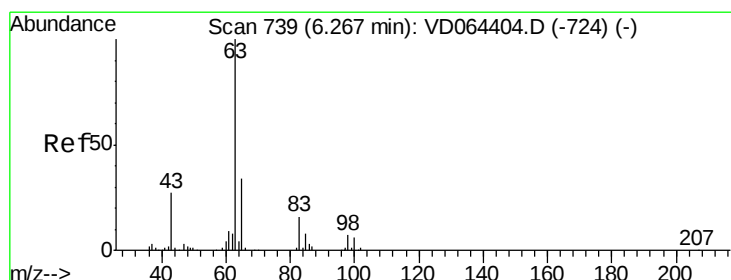
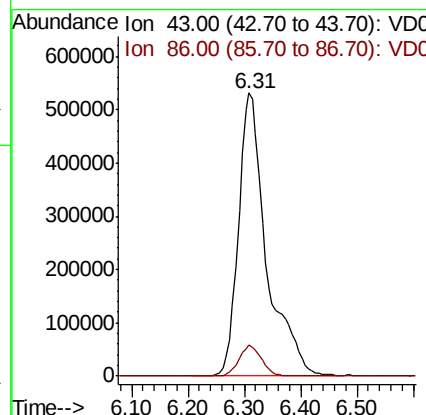
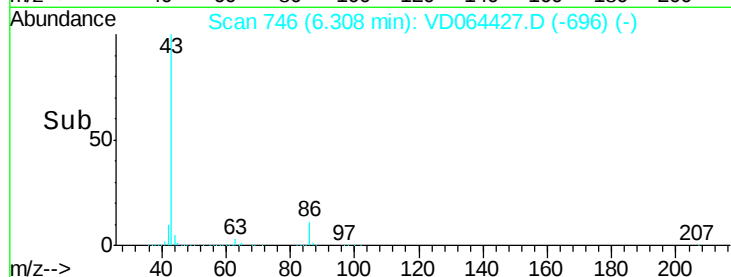
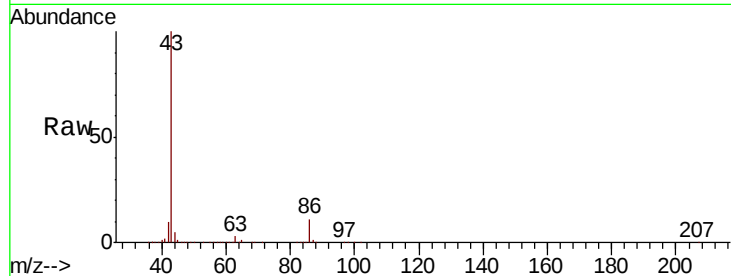
86 11.1 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 47.665 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

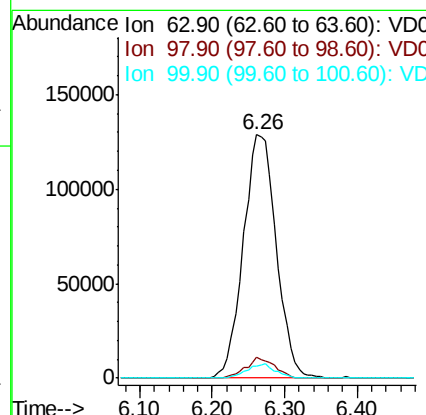
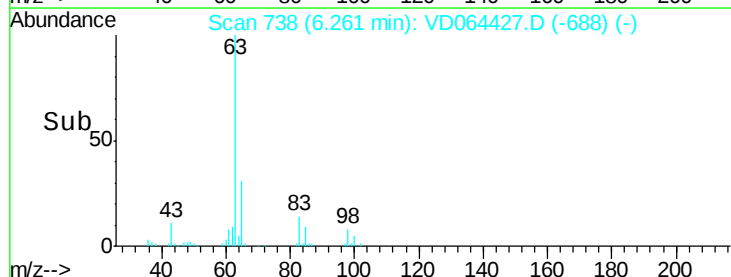
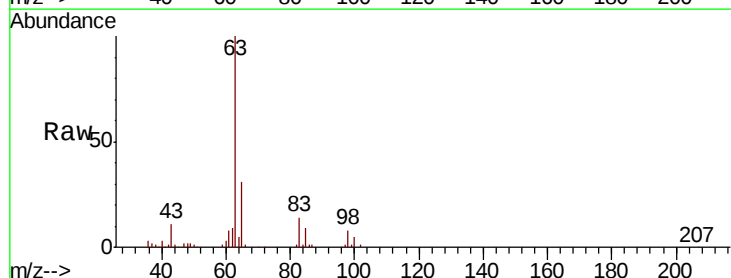
Tgt Ion: 63 Resp: 407029

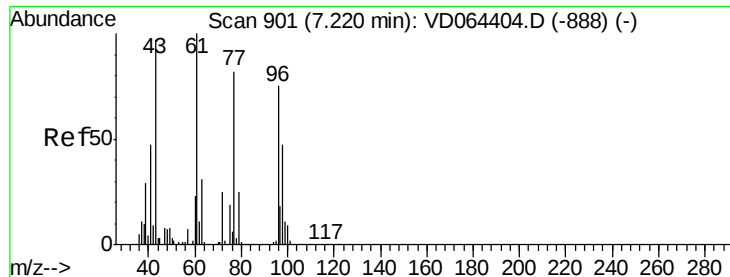
Ion Ratio Lower Upper

63 100

98 8.4 3.6 10.9

100 5.1 2.9 8.6





#25

2-Butanone

Concen: 222.431 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 294210

Ion Ratio Lower Upper

43 100

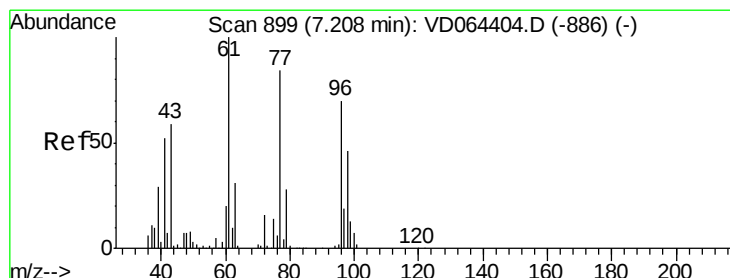
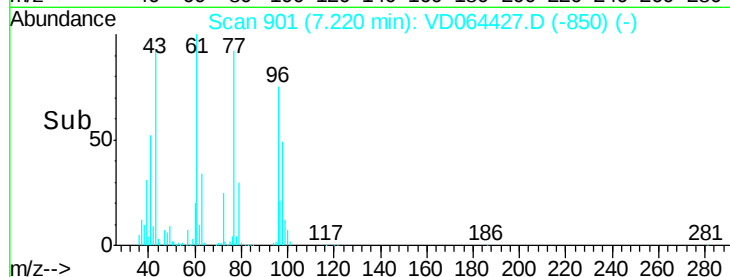
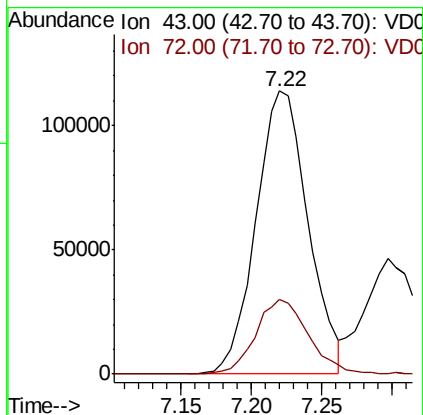
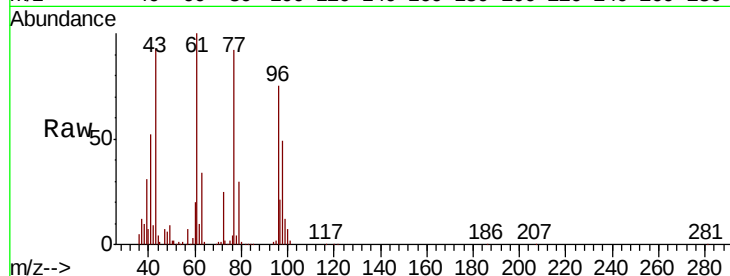
72 26.5 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 51.001 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064427.D

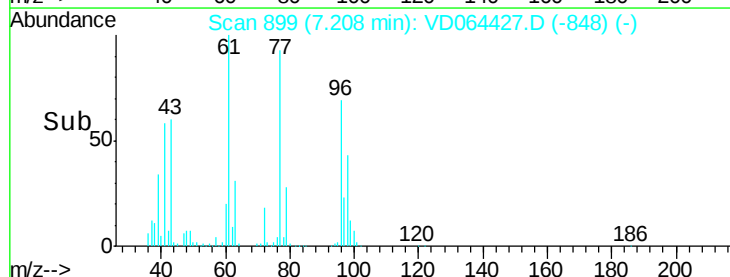
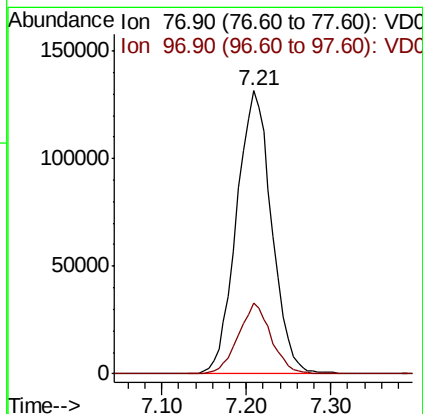
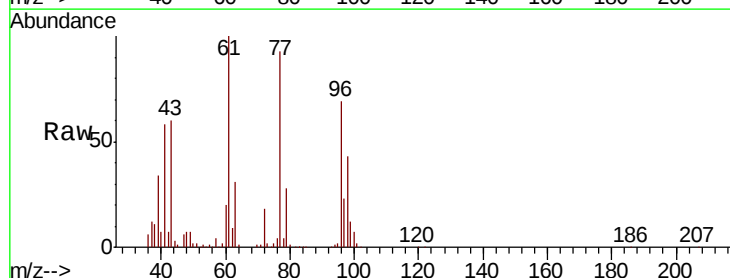
Acq: 05 Dec 2019 10:31

Tgt Ion: 77 Resp: 378747

Ion Ratio Lower Upper

77 100

97 23.2 11.6 34.7





#27

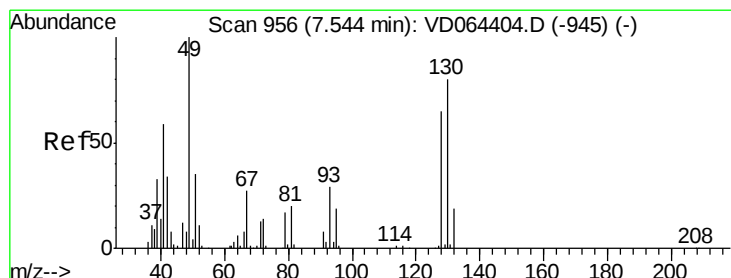
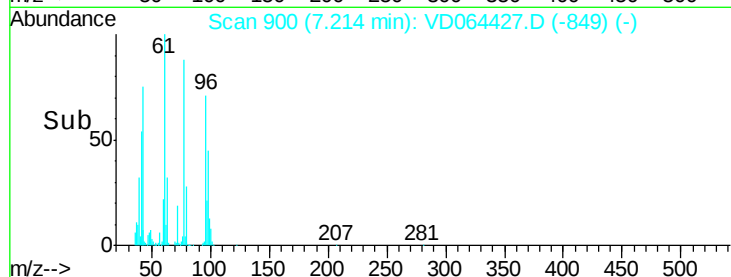
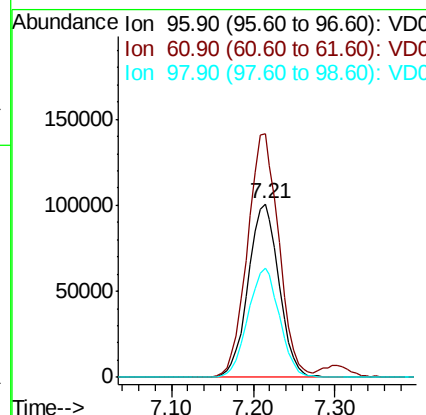
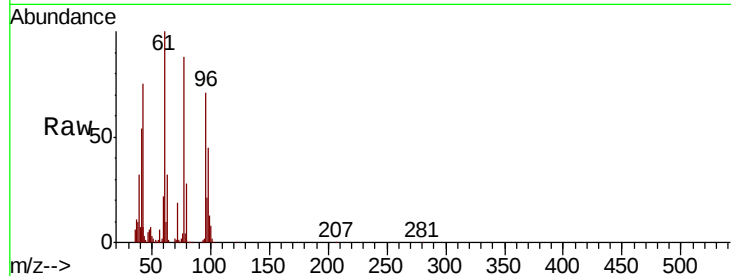
cis-1,2-Dichloroethene
Concen: 46.649 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	265144		
61	142.4	0.0	279.6	
98	64.1	0.0	129.2	

Manual Integrations
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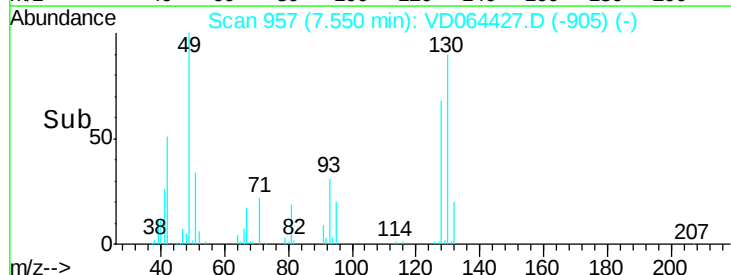
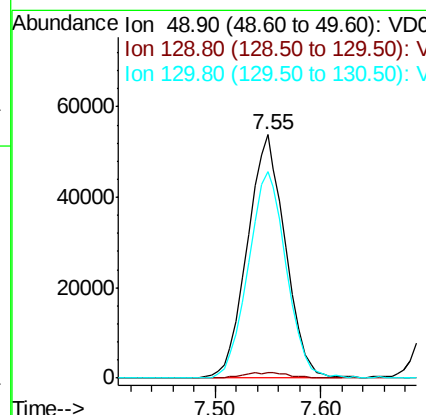
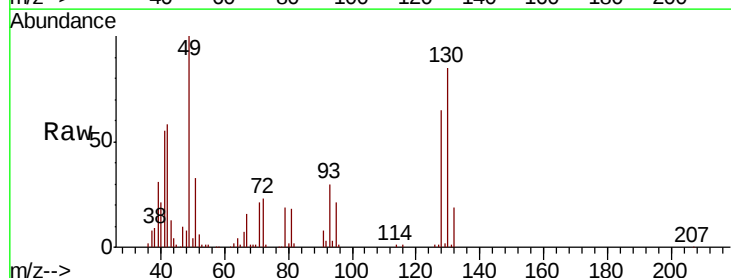
apatel
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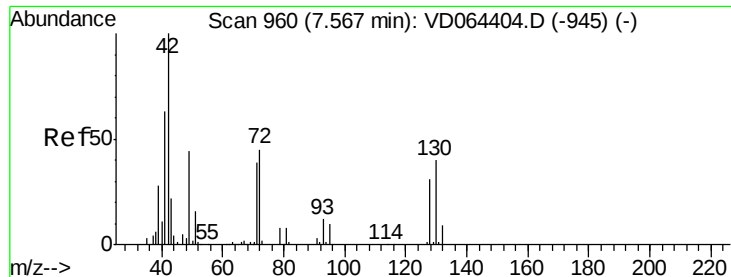


#28

Bromochloromethane
Concen: 45.808 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	133682		
129	2.6	0.0	4.4	
130	85.2	67.4	101.0	





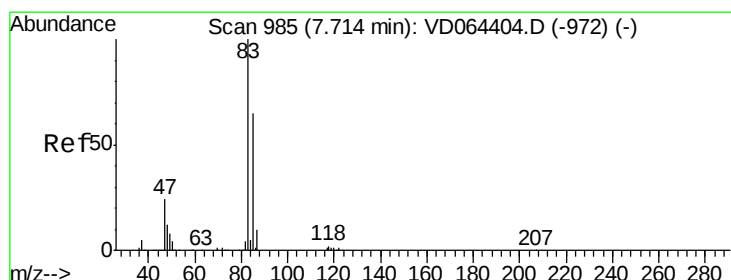
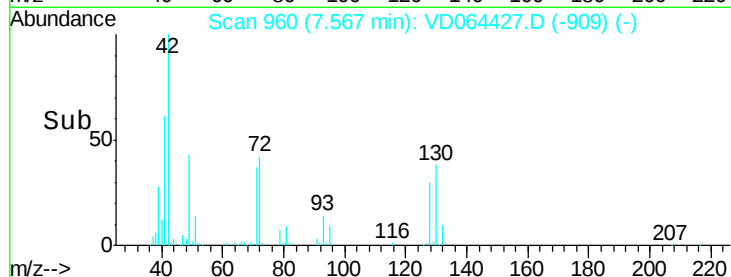
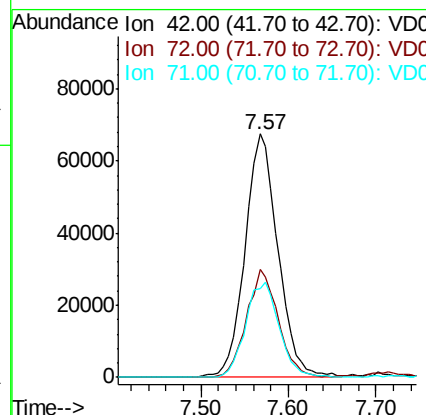
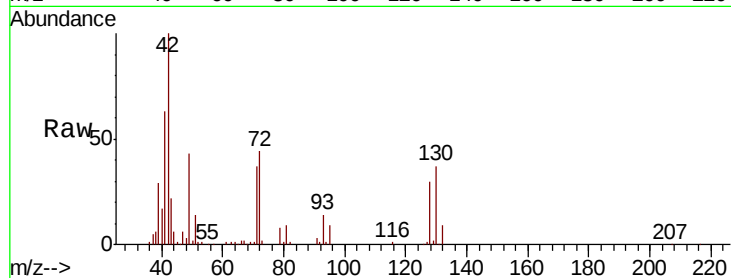
#29
Tetrahydrofuran
Concen: 204.099 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	35.8	53.8
71	40.1	32.7	49.1

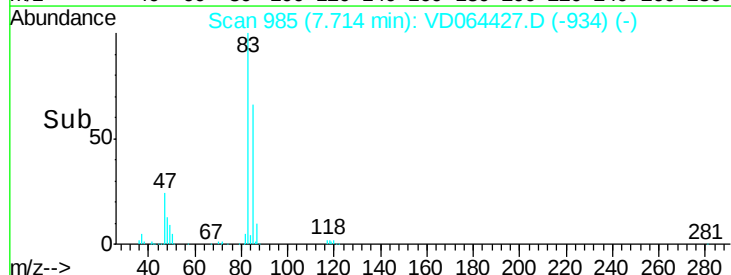
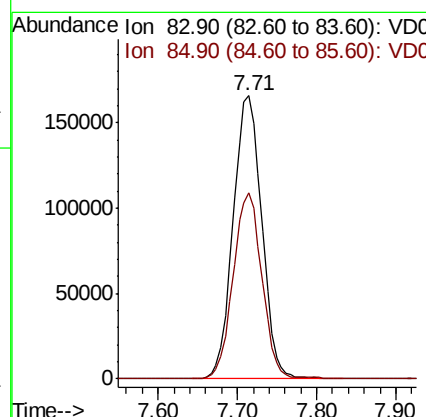
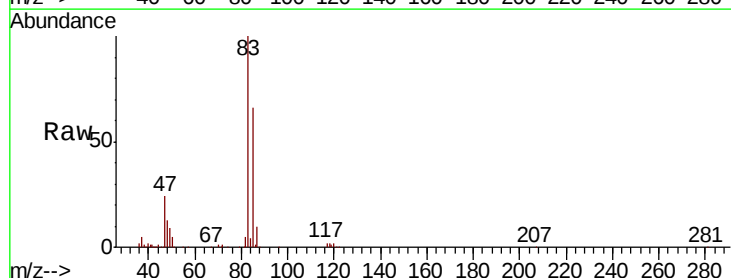
Manual Integrations
APPROVED

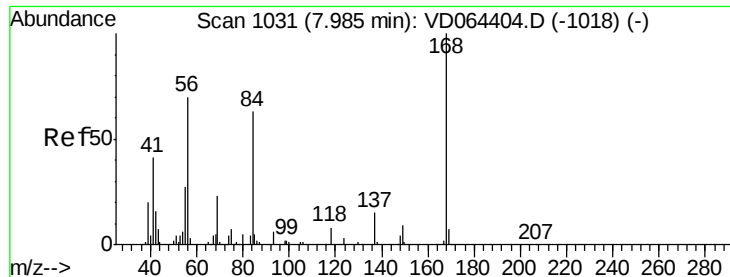
apatel
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#30
Chloroform
Concen: 46.874 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6





#31

Cyclohexane

Concen: 52.772 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

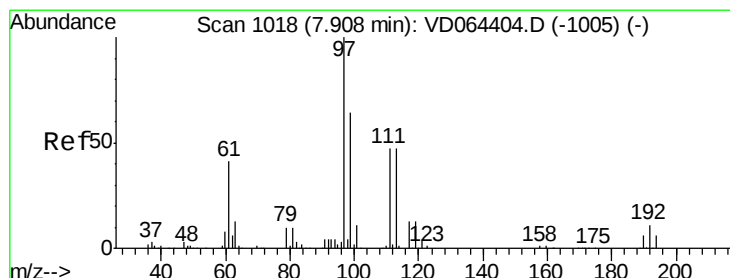
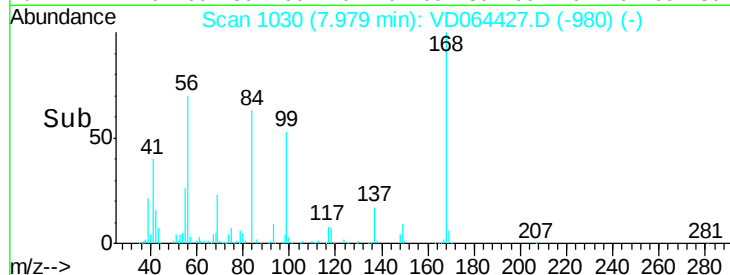
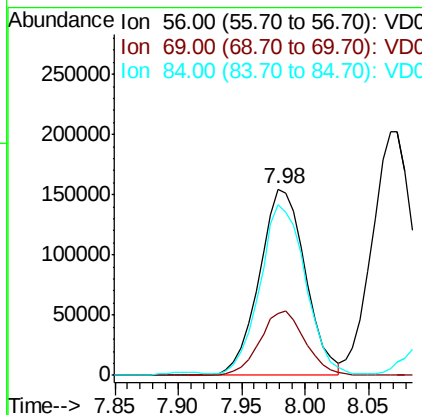
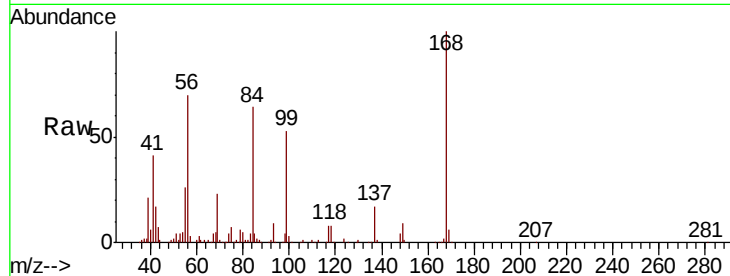
ClientSampleID :

VSTDCCC050

Tot Ion:	56	Resp:	391543
Ion Ratio	Lower	Upper	
56	100		
69	33.3	26.2	39.4
84	89.8	70.3	105.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.678 ug/l

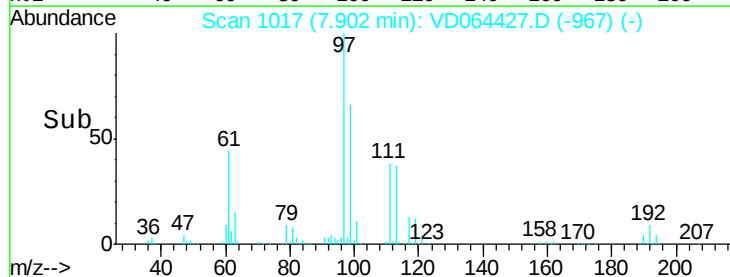
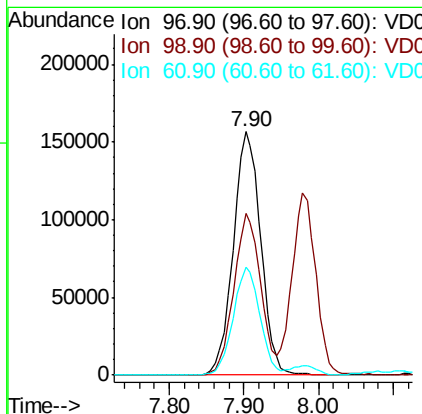
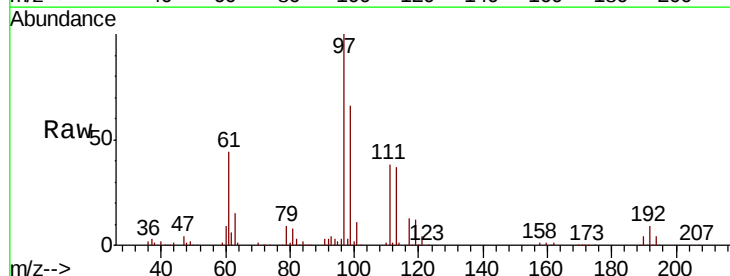
RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Tgt Ion:	97	Resp:	399124
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.4	77.2
61	43.3	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 46.549 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 215443

Ion Ratio Lower Upper

65 100

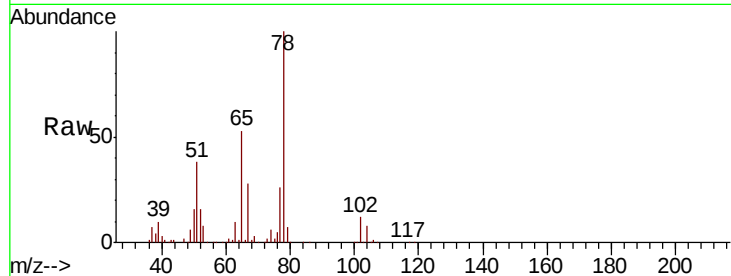
67 51.0 0.0 102.0

Manual Integrations

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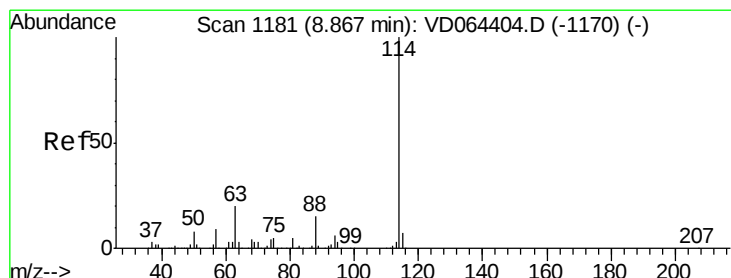
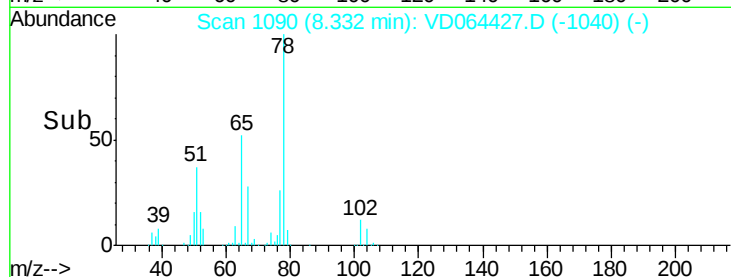
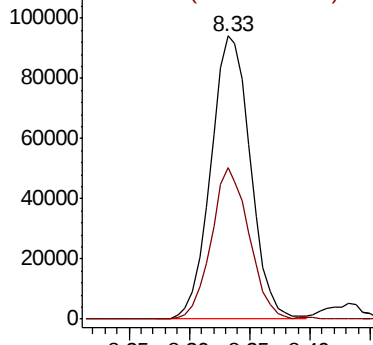
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

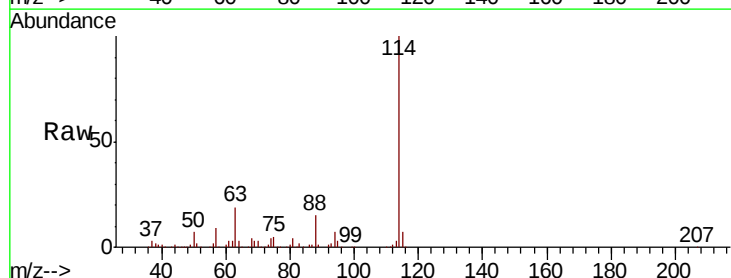
Tgt Ion: 114 Resp: 726767

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.0

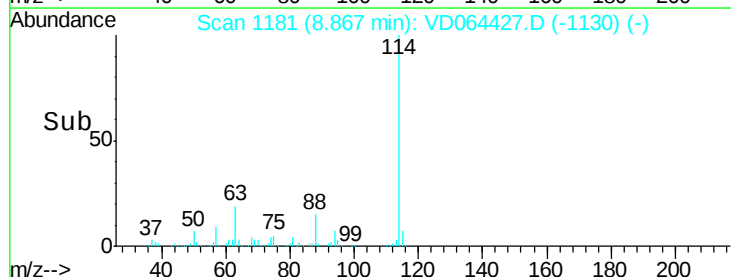
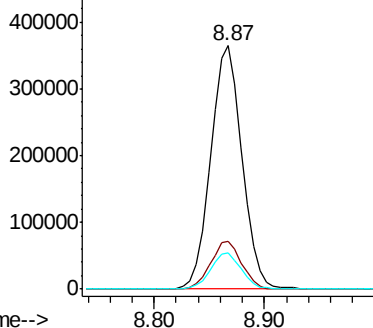
88 14.9 0.0 29.2

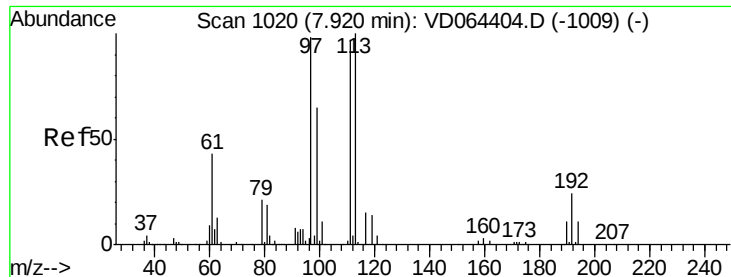


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





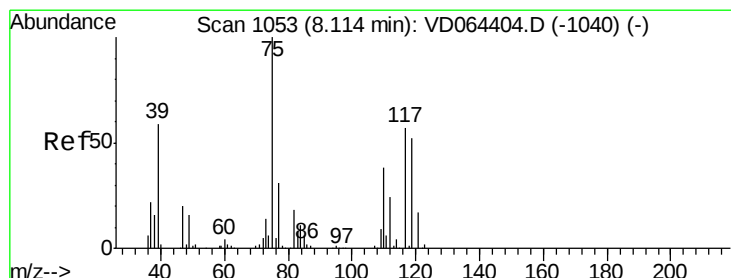
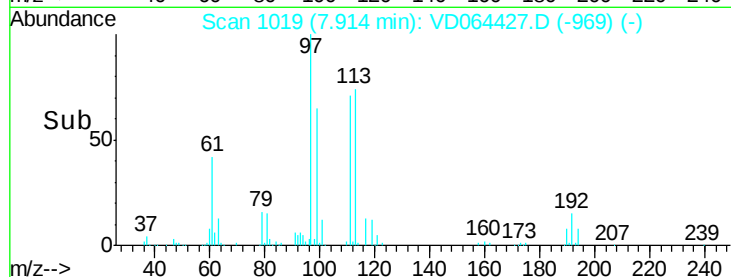
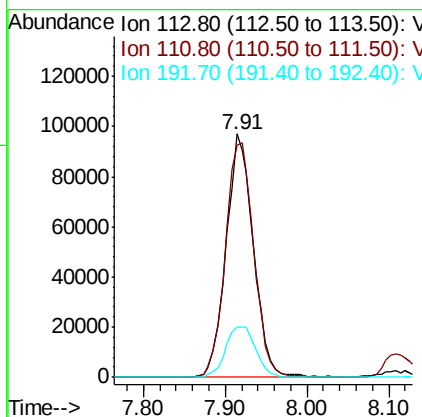
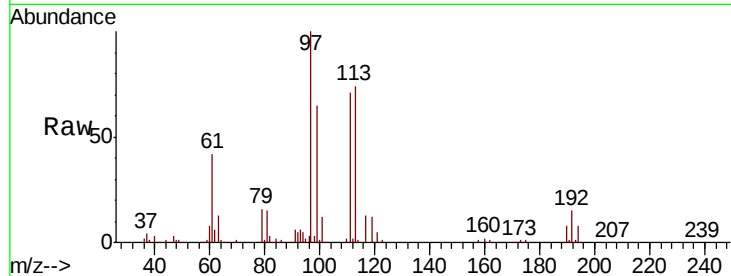
#35
Dibromofluoromethane
Concen: 49.108 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	224865		
111	100.9	79.4	119.2	
192	23.0	18.6	28.0	

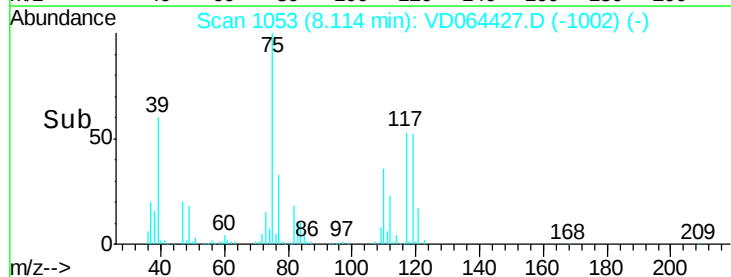
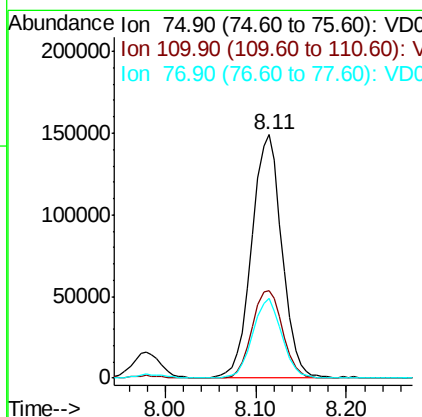
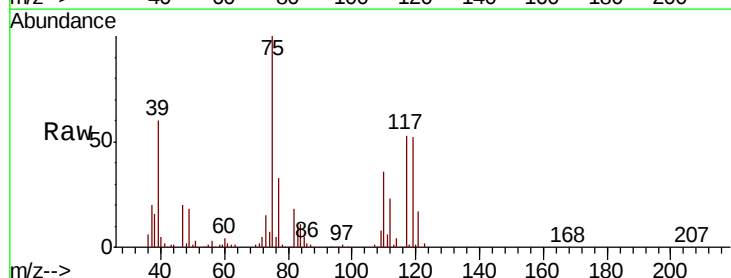
Manual Integrations
APPROVED

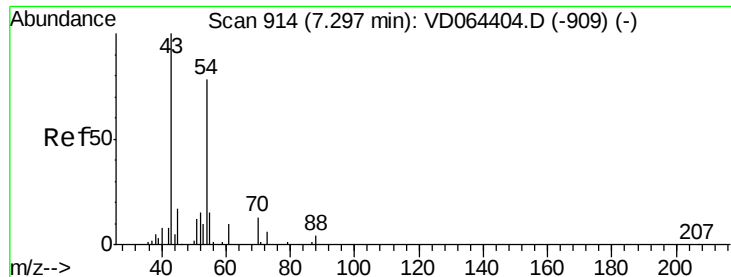
apatel
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#36
1,1-Dichloropropene
Concen: 50.347 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	346100		
110	36.3	18.6	55.8	
77	31.6	25.0	37.4	





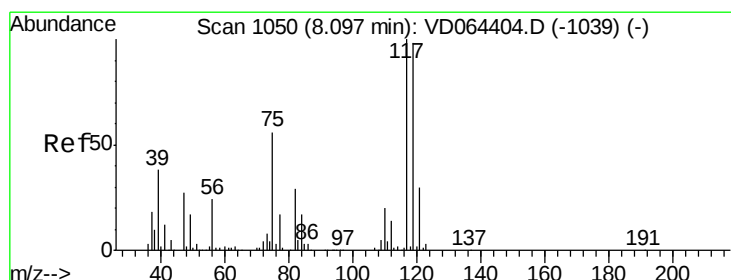
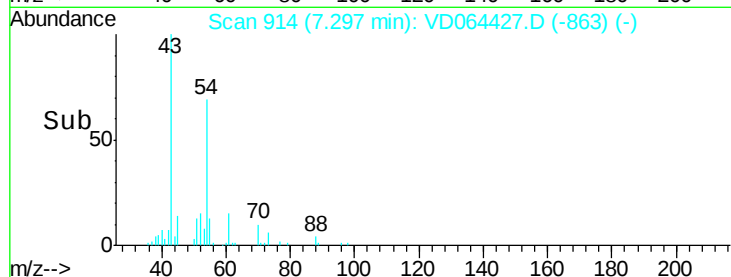
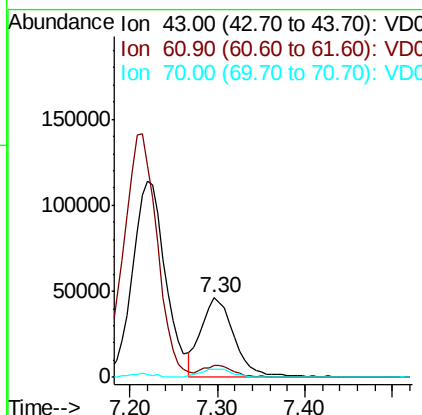
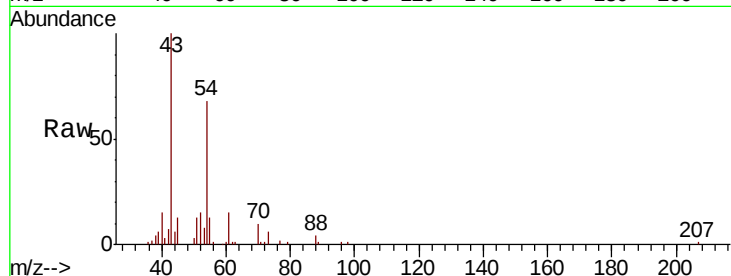
#37
Ethyl Acetate
Concen: 41.680 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.9	16.3
70	10.2	8.3	12.5

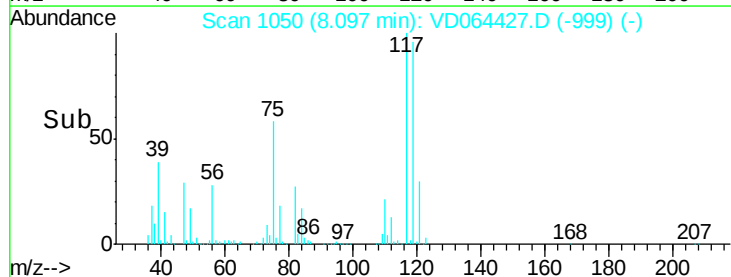
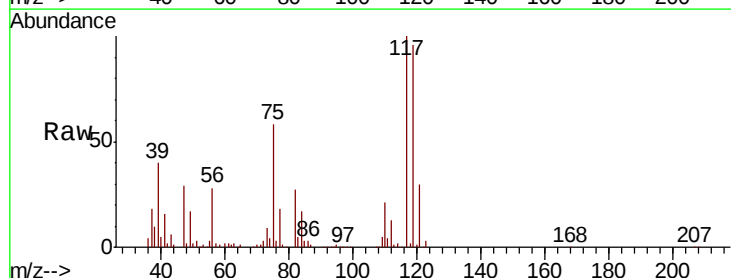
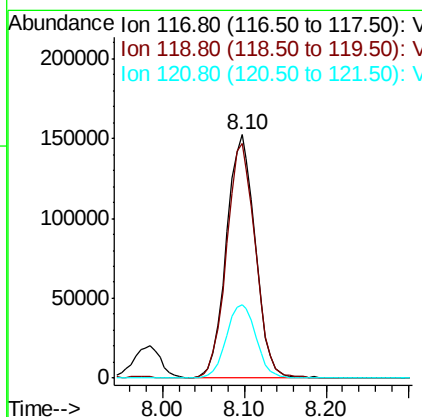
Manual Integrations
APPROVED

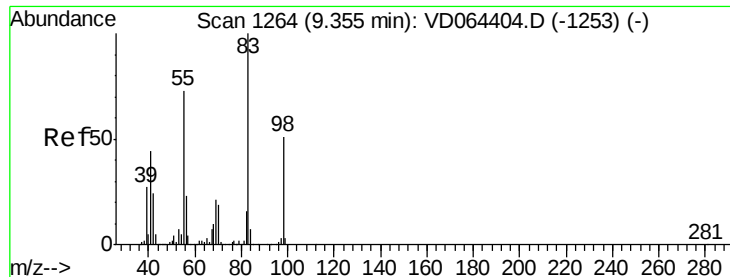
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#38
Carbon Tetrachloride
Concen: 51.299 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	78.8	118.2
121	30.2	24.2	36.2





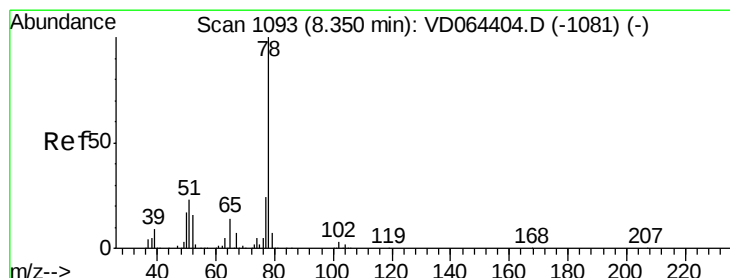
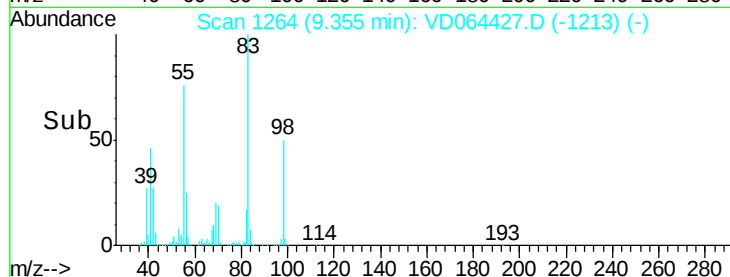
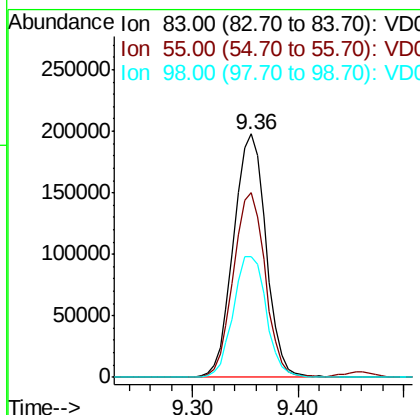
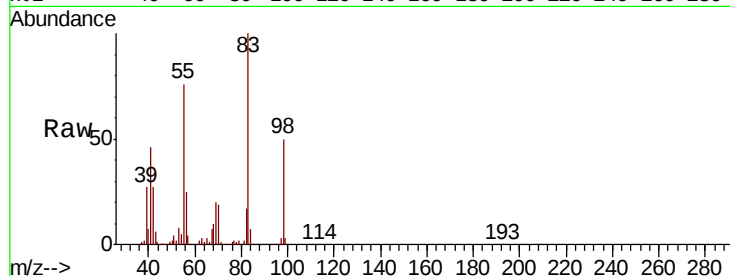
#39
Methvlcvclohexane
Concen: 49.312 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	420490
Ion Ratio	Lower	Upper	
83	100		
55	76.0	58.6	87.8
98	49.7	40.9	61.3

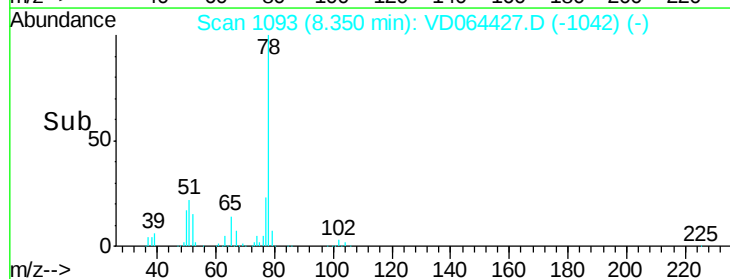
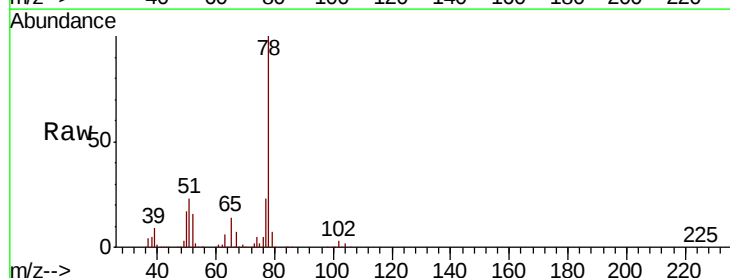
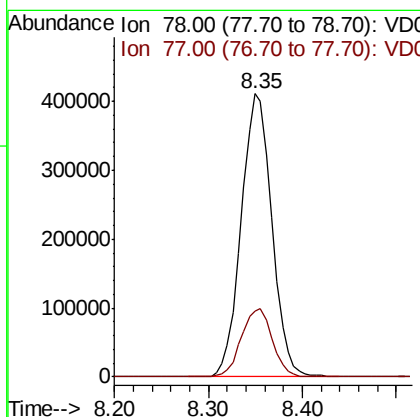
Manual Integrations
APPROVED

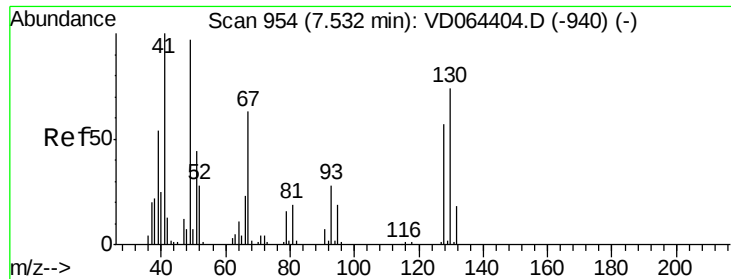
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#40
Benzene
Concen: 48.605 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	78	Resp	927992
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.6	29.4





#41

Methacrylonitrile

Concen: 43.932 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 73488

Ion Ratio Lower Upper

41 100

39 57.7 44.6 67.0

67 70.6 50.9 76.3

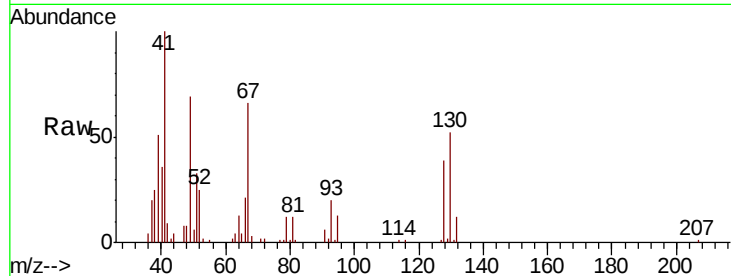
52 30.5 22.5 33.7

Manual Integrations

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apatel

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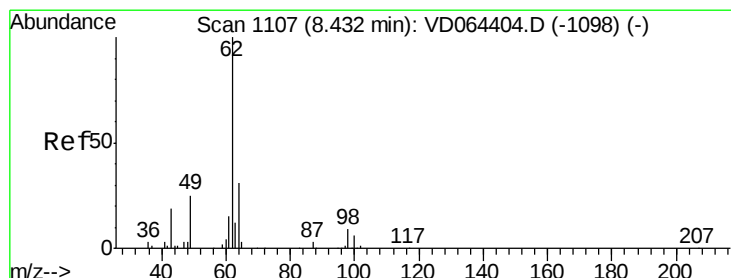
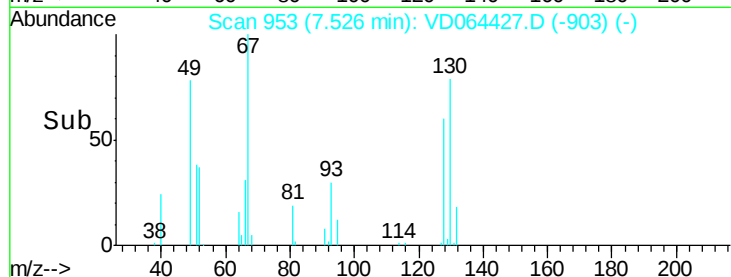
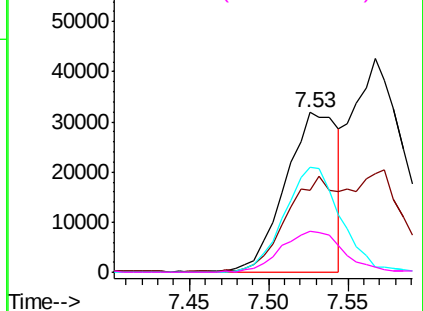


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 46.054 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064427.D

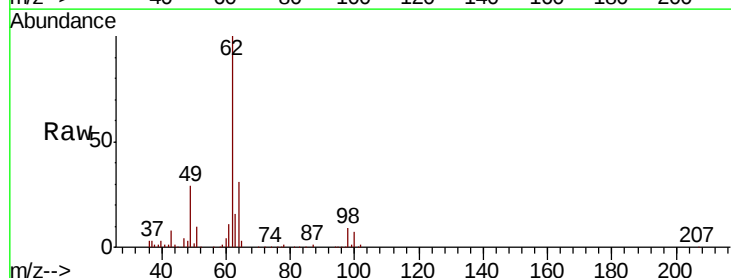
Acq: 05 Dec 2019 10:31

Tgt Ion: 62 Resp: 256424

Ion Ratio Lower Upper

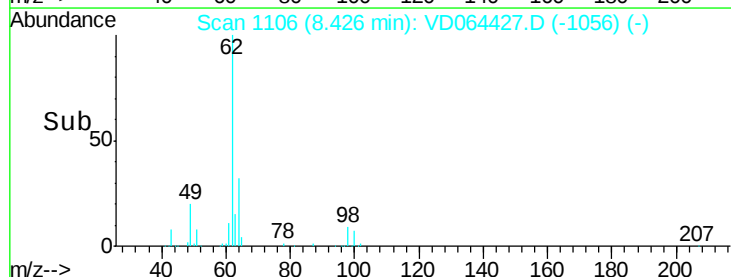
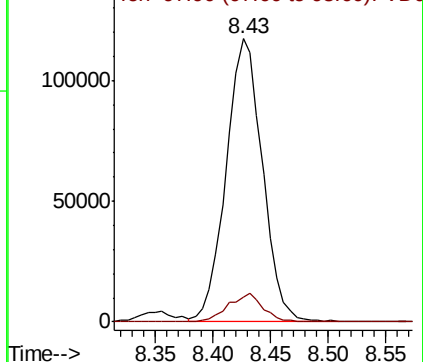
62 100

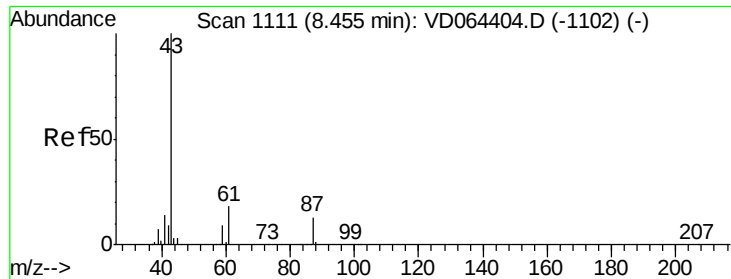
98 9.6 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





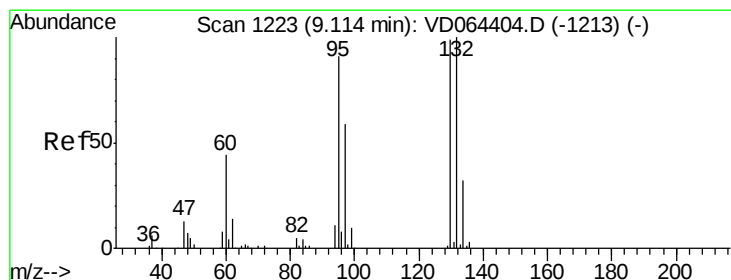
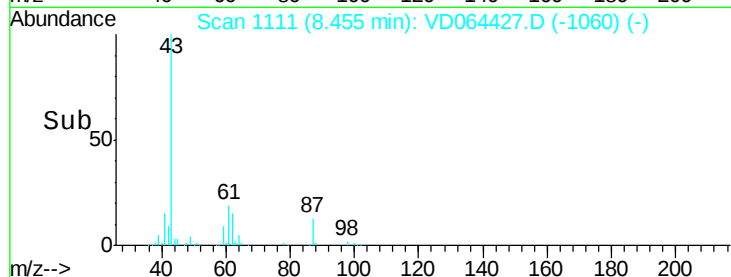
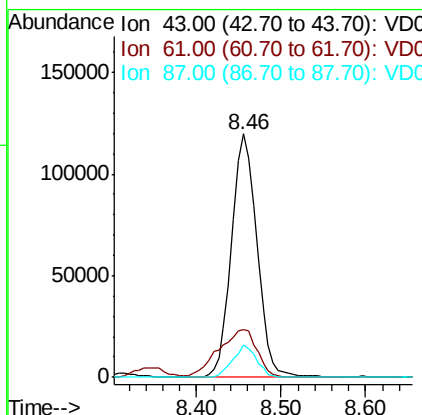
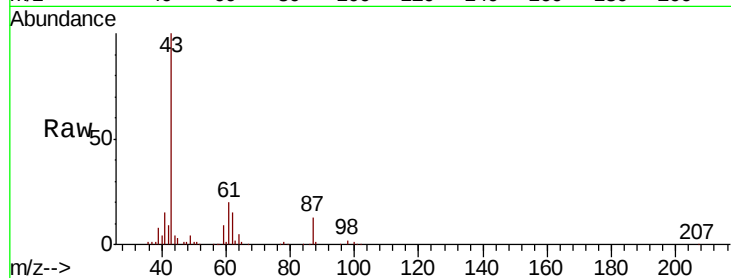
#43
Isopropyl Acetate
Concen: 43.524 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	24.0	36.0
87	12.5	10.6	15.8

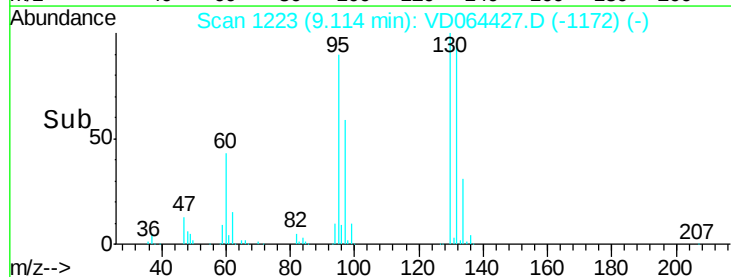
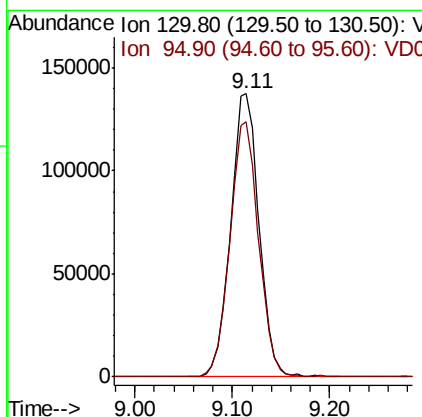
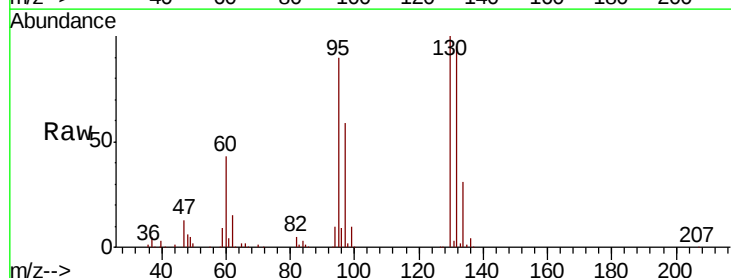
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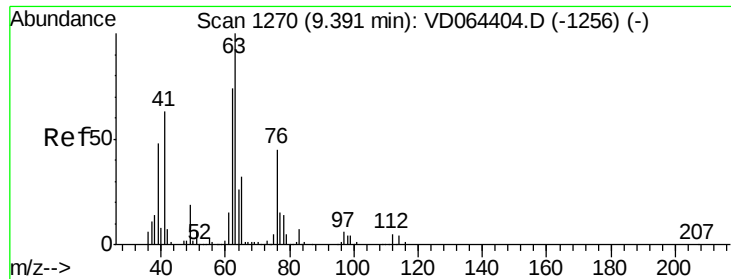
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#44
Trichloroethene
Concen: 48.129 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	184.6





#45

1,2-Dichloropropane

Concen: 48.048 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 219392

Ion Ratio Lower Upper

63 100

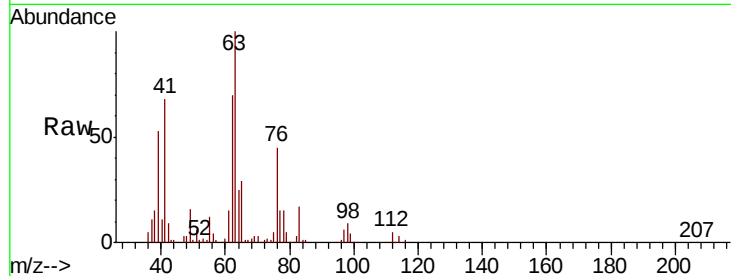
65 29.5 25.4 38.0

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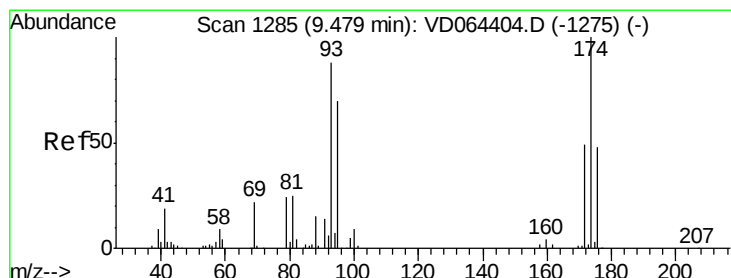
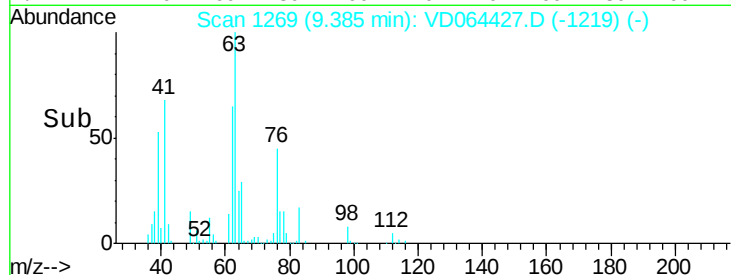
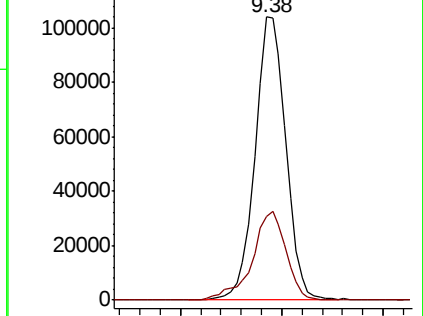
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 46.170 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

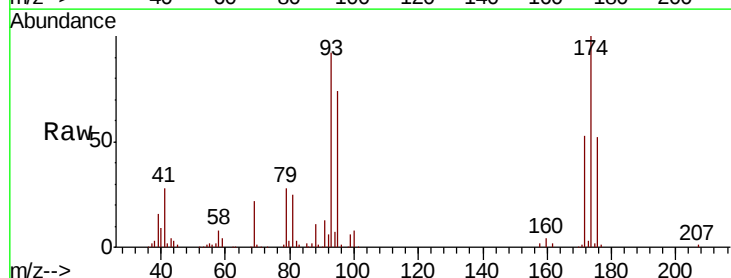
Tgt Ion: 93 Resp: 118986

Ion Ratio Lower Upper

93 100

95 81.3 66.7 100.1

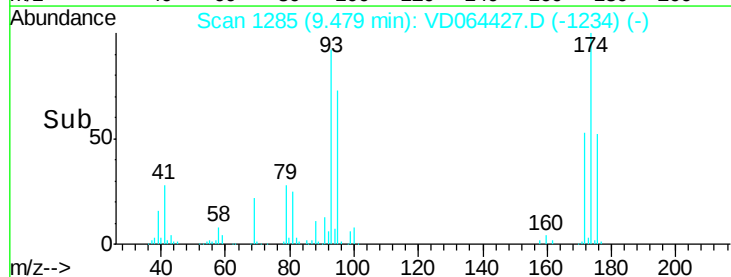
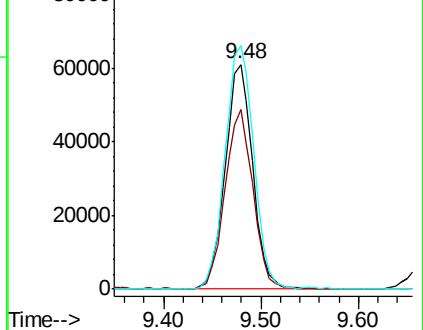
174 113.2 92.3 138.5

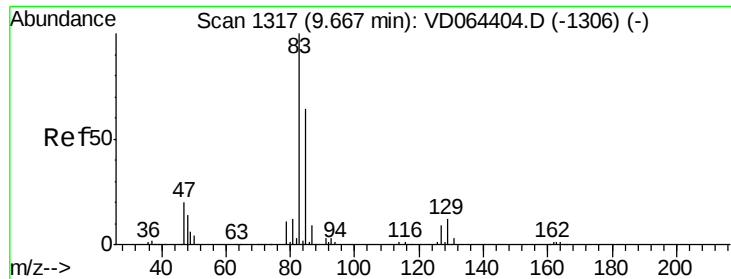


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.681 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

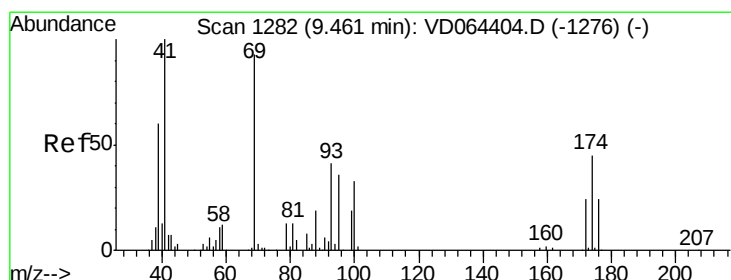
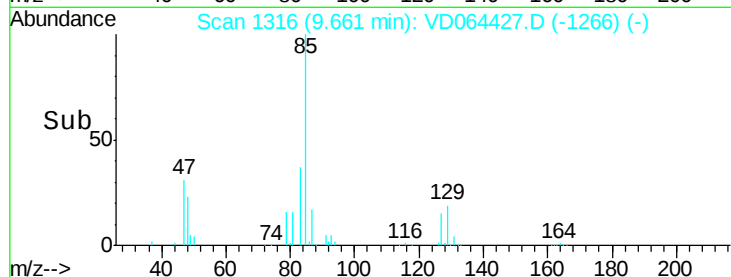
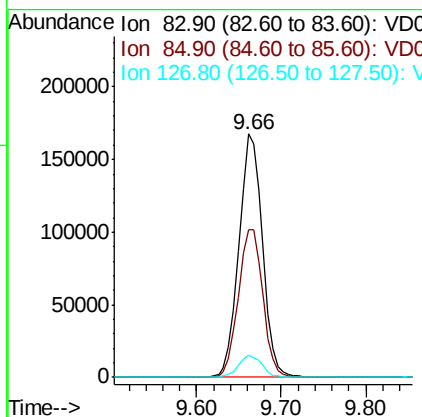
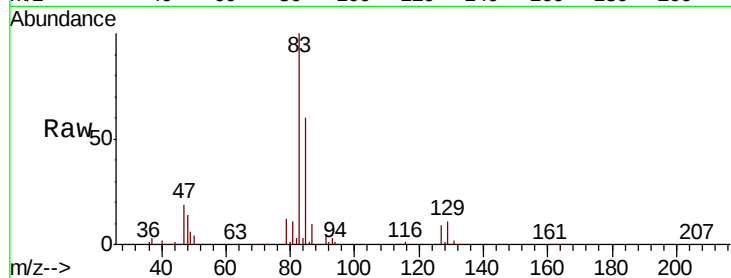
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	322357
Ion	Ratio	Lower	Upper
83	100		
85	60.5	51.1	76.7
127	8.9	7.4	11.0

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#48

Methyl methacrylate

Concen: 47.907 ug/l

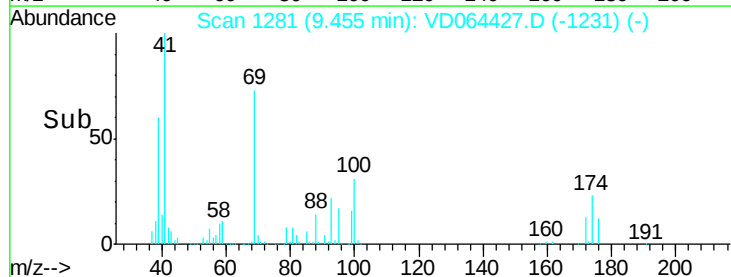
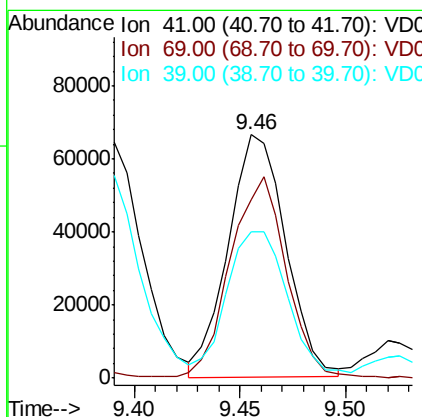
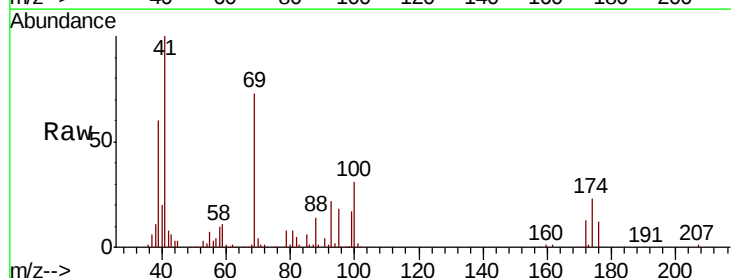
RT: 9.46 min Scan# 1281

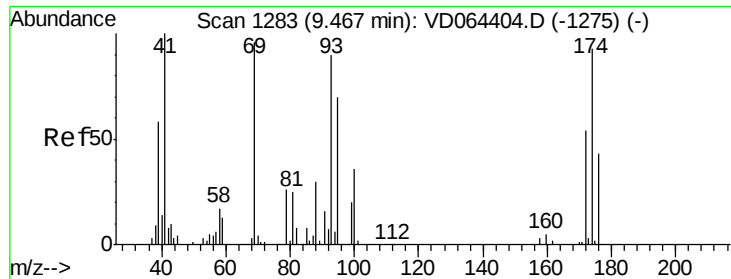
Delta R.T. -0.01 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Tgt Ion:	41	Resp:	125724
Ion	Ratio	Lower	Upper
41	100		
69	80.5	72.0	108.0
39	59.1	55.2	82.8





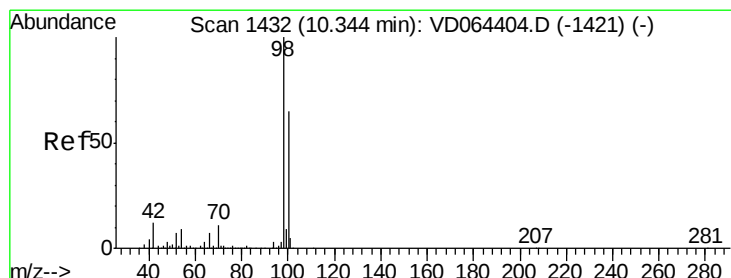
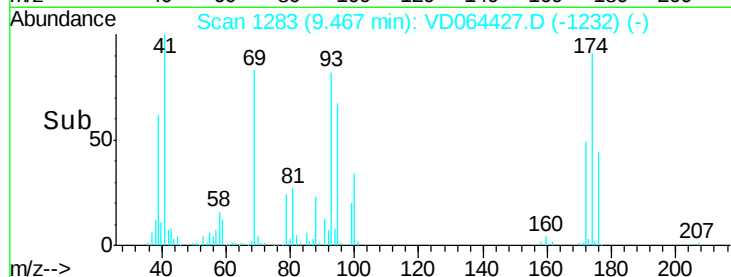
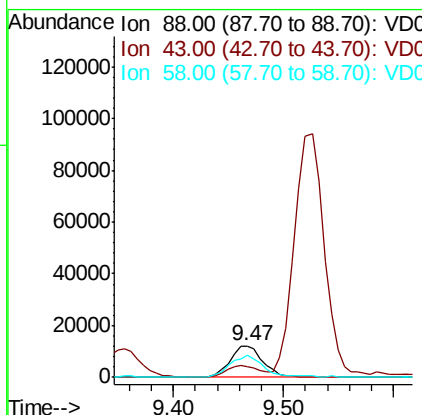
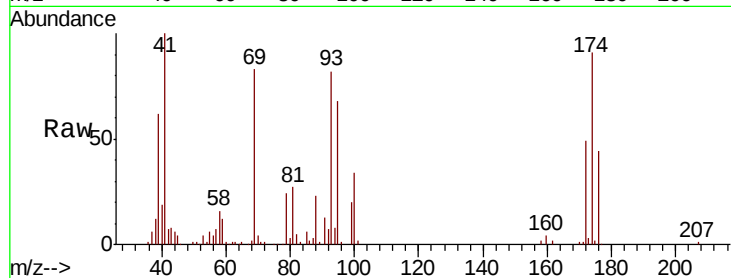
#49
 1,4-Dioxane
 Concen: 817.661 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	26021
Ion Ratio	Lower	Upper	
88	100		
43	34.0	26.7	40.1
58	71.6	52.3	78.5

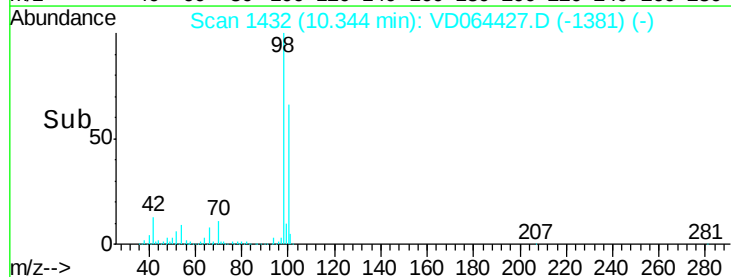
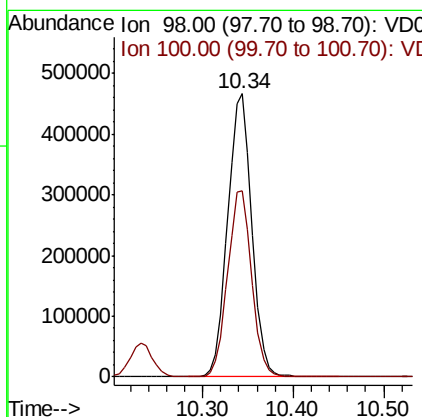
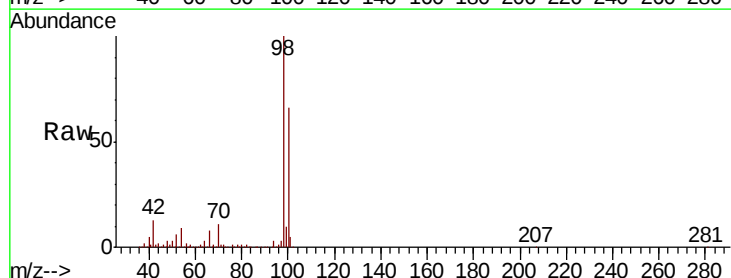
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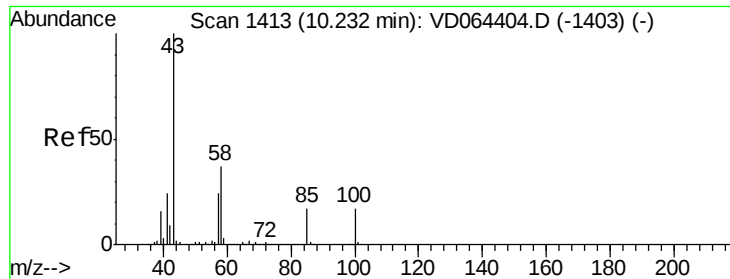
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#50
 Toluene-d8
 Concen: 50.094 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion	98	Resp	864044
Ion Ratio	Lower	Upper	
98	100		
100	65.3	52.6	79.0





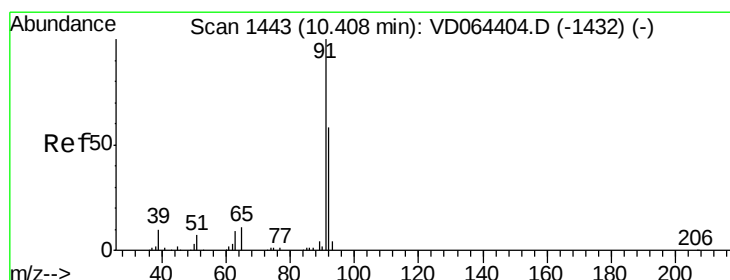
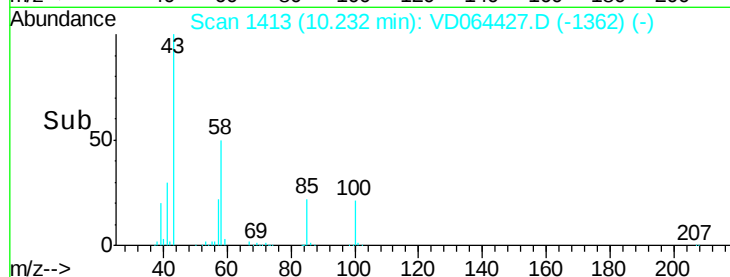
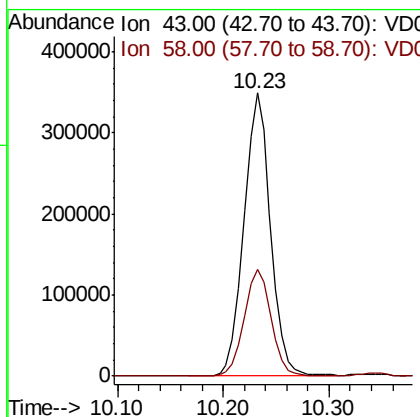
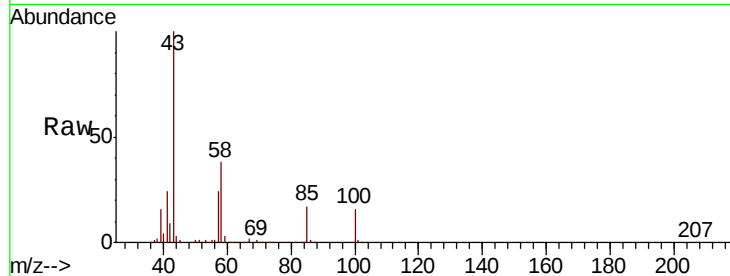
#51
4-Methyl-2-Pentanone
Concen: 214.076 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 607480
Ion Ratio Lower Upper
43 100
58 38.4 30.6 46.0

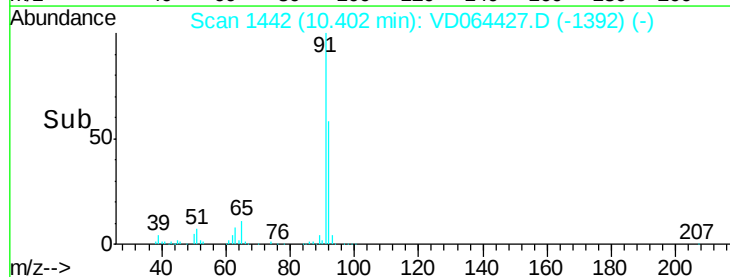
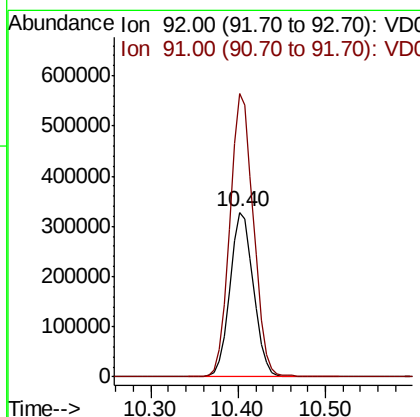
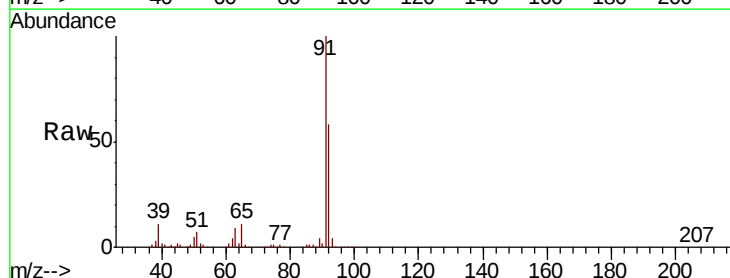
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#52
Toluene
Concen: 48.038 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion: 92 Resp: 597725
Ion Ratio Lower Upper
92 100
91 172.5 137.8 206.6





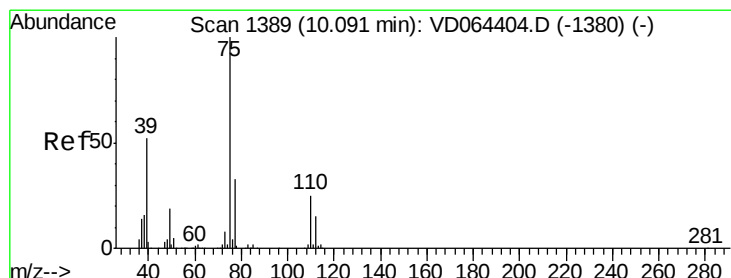
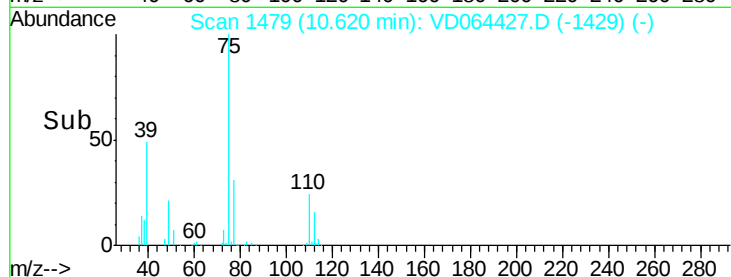
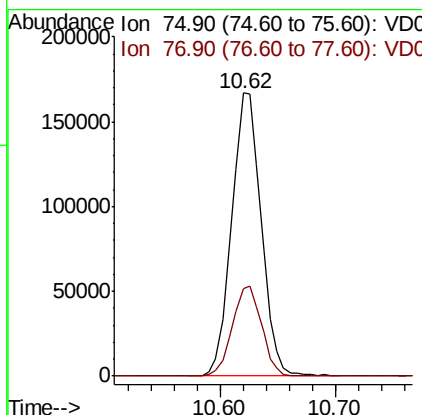
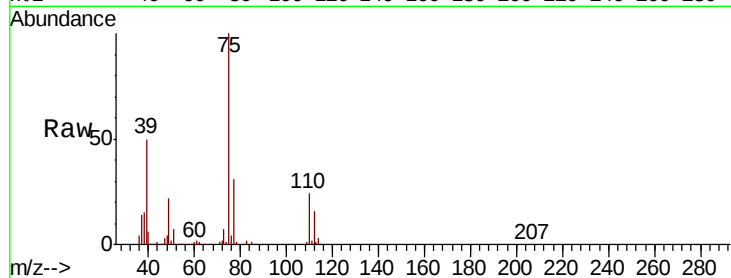
#53
t-1,3-Dichloropropene
Concen: 46.917 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.4

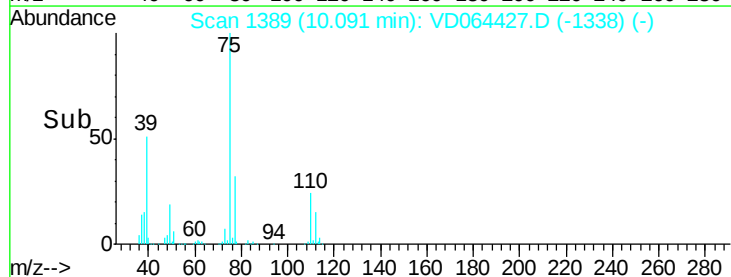
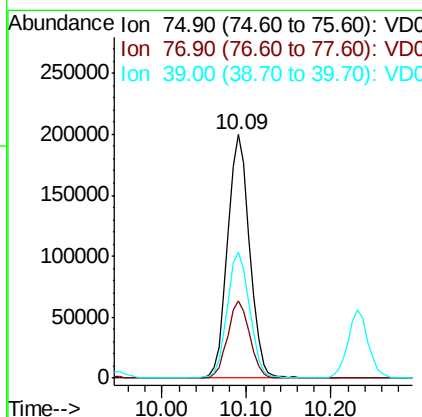
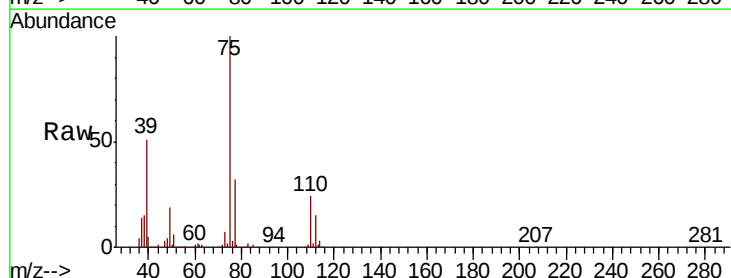
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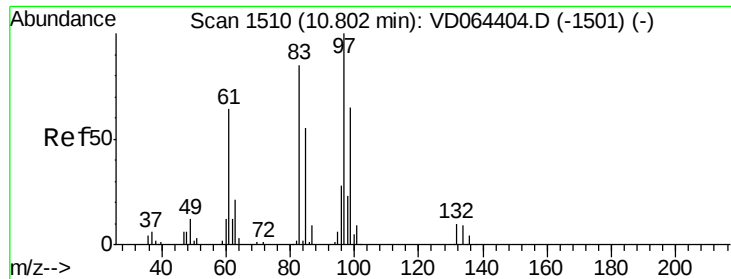
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#54
cis-1,3-Dichloropropene
Concen: 47.643 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	26.1	39.1
39	51.3	41.5	62.3





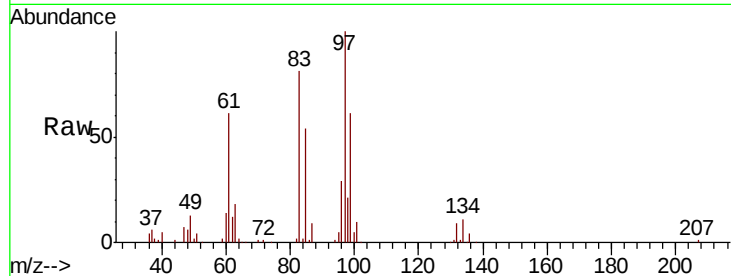
#55
 1,1,2-Trichloroethane
 Concen: 45.187 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

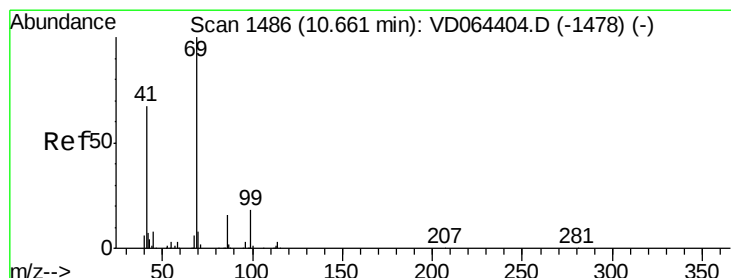
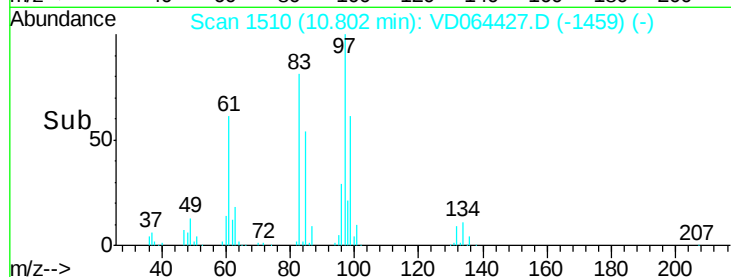
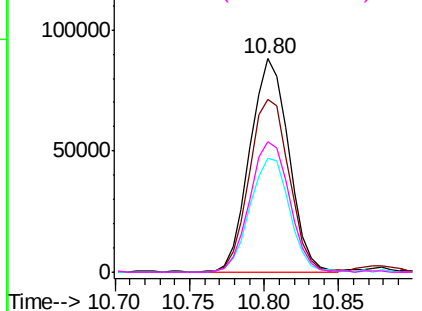
Tot Ion	Ratio	Resp	Lower	Upper
97	100	159455		
83	80.8	67.8	101.8	
85	53.6	43.7	65.5	
99	61.4	51.7	77.5	

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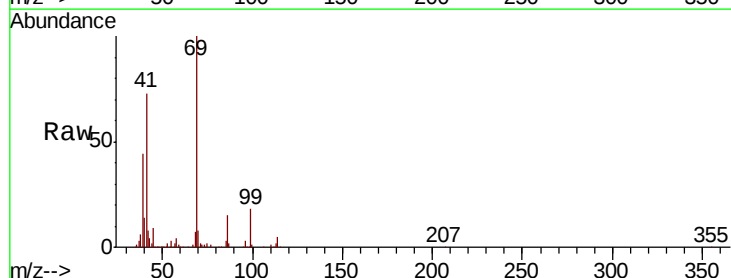


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

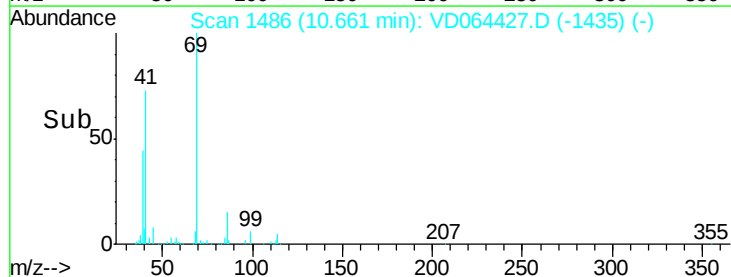
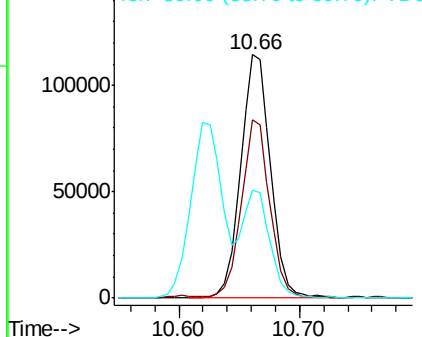


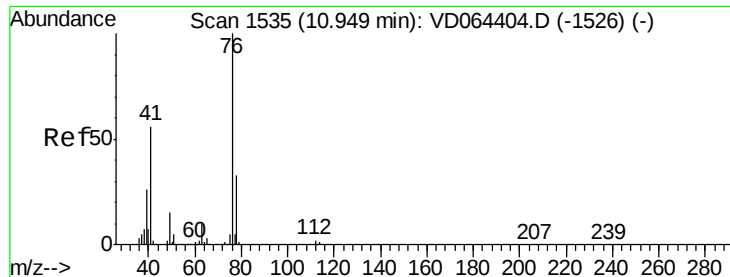
#56
 Ethyl methacrylate
 Concen: 43.585 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	196167		
41	69.2	55.0	82.4	
39	41.9	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: 45.691 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 274467

Ion Ratio Lower Upper

76 100

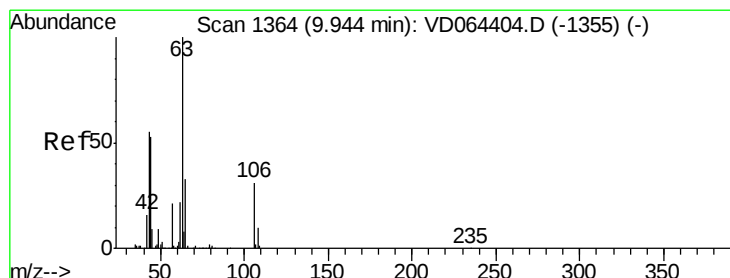
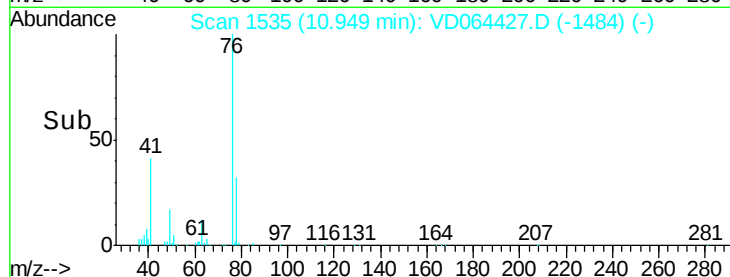
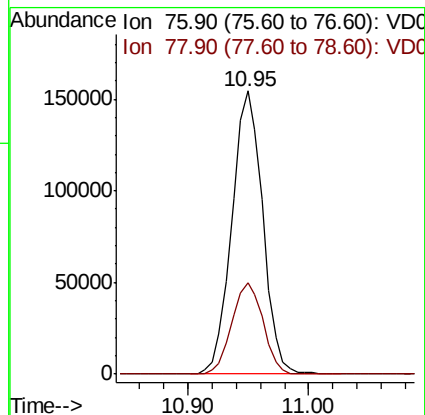
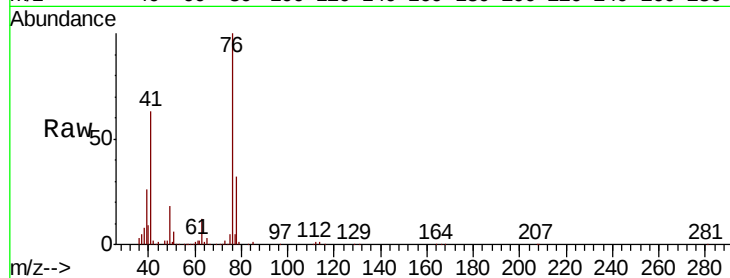
78 32.8 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 227.646 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064427.D

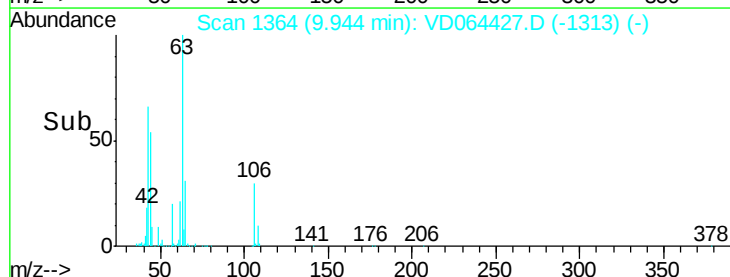
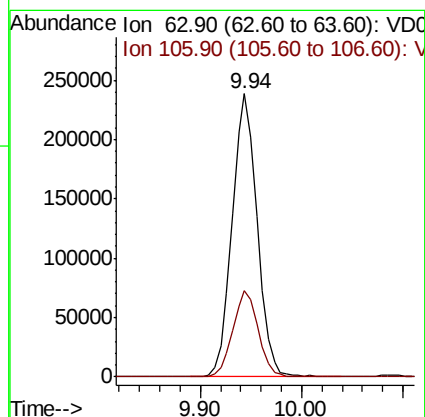
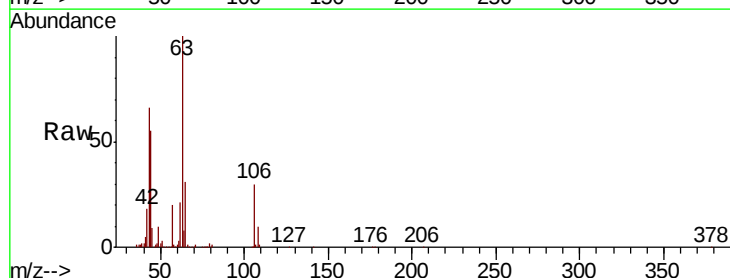
Acq: 05 Dec 2019 10:31

Tgt Ion: 63 Resp: 408440

Ion Ratio Lower Upper

63 100

106 30.8 24.2 36.4





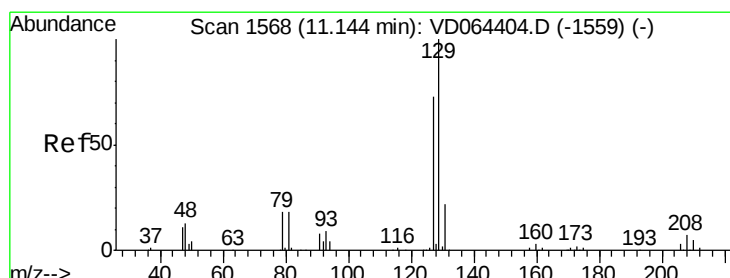
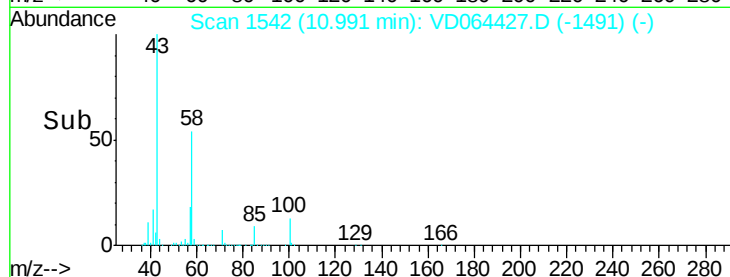
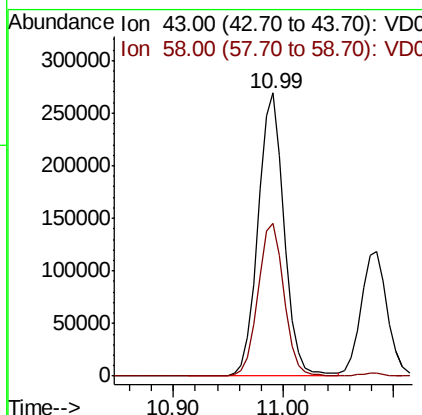
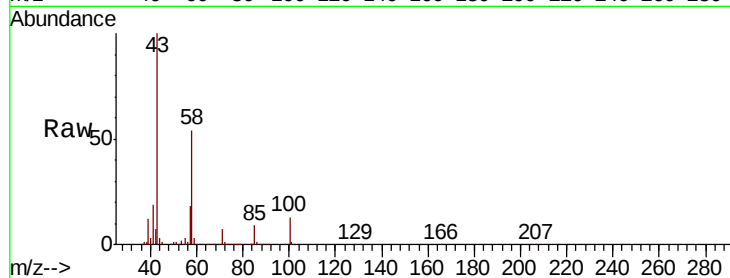
#59
2-Hexanone
Concen: 226.129 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 445257
Ion Ratio Lower Upper
43 100
58 53.9 26.3 78.8

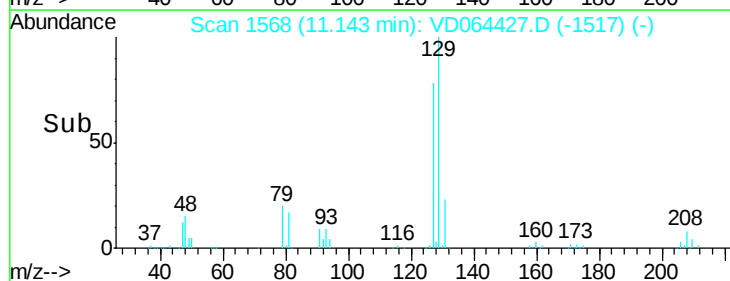
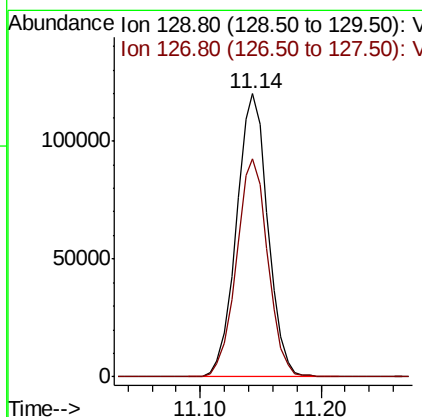
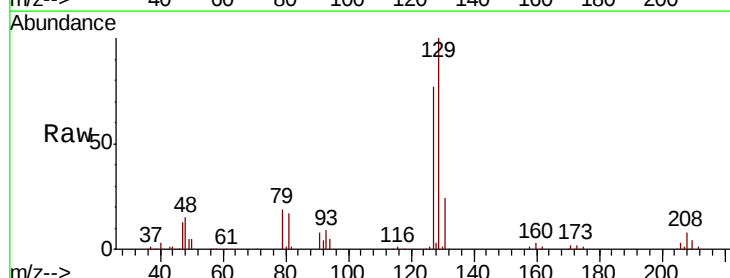
Manual Integrations
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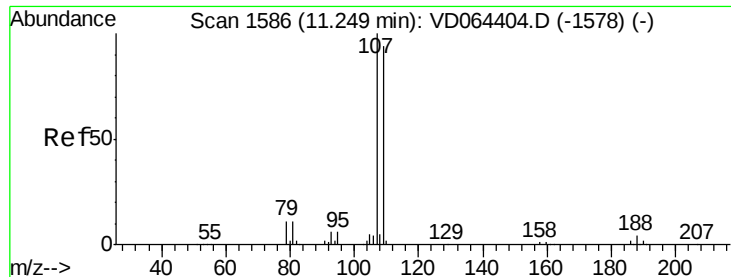
apatel
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#60
Dibromochloromethane
Concen: 45.499 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion: 129 Resp: 217692
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.3





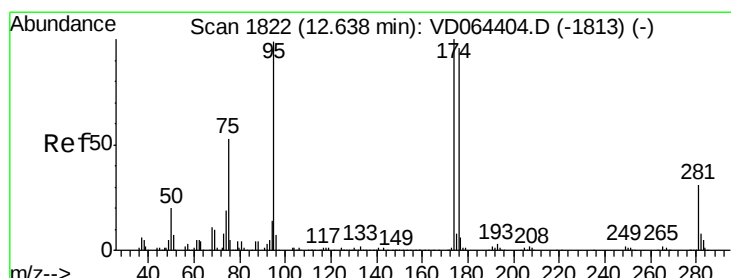
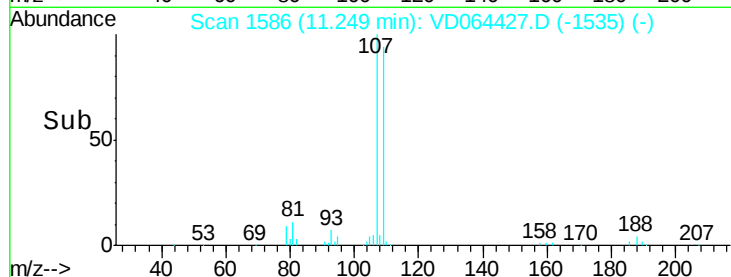
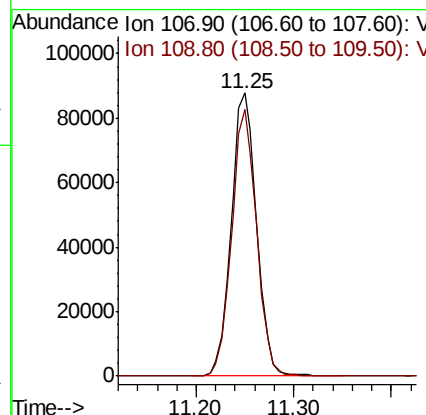
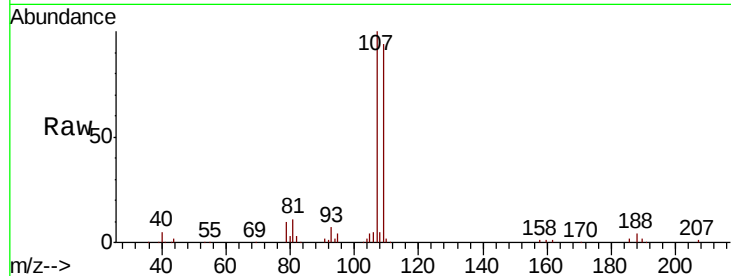
#61
 1,2-Dibromoethane
 Concen: 44.636 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	76.2	114.2

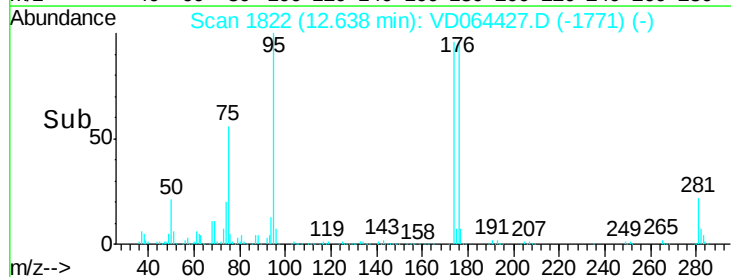
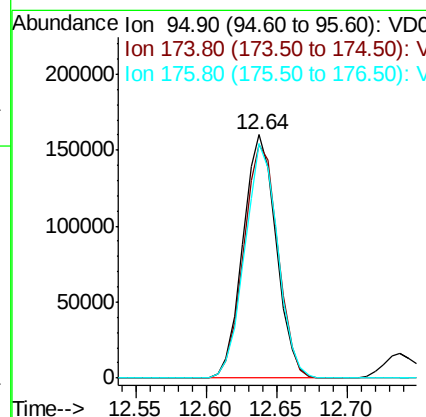
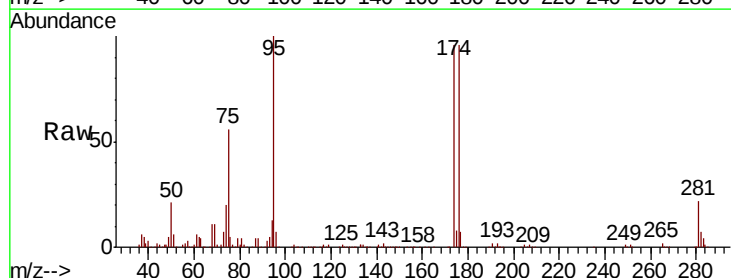
Manual Integrations
 APPROVED

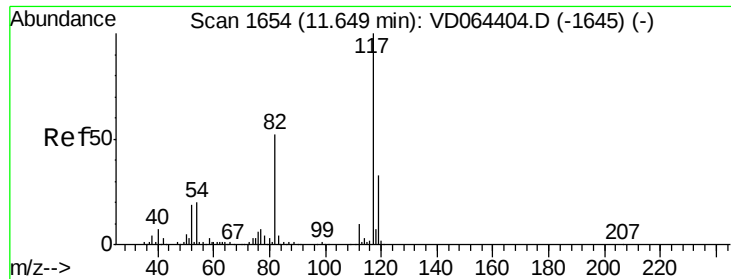
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#62
 4-Bromofluorobenzene
 Concen: 47.680 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.3	0.0	197.2
176	95.1	0.0	189.6





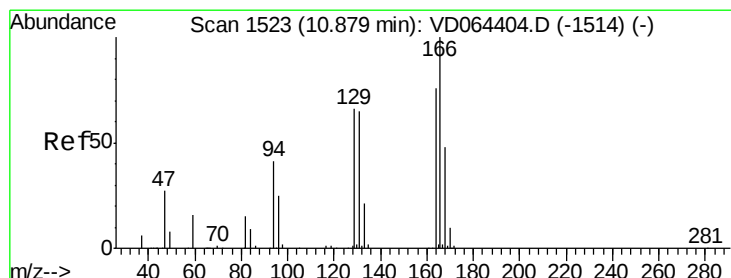
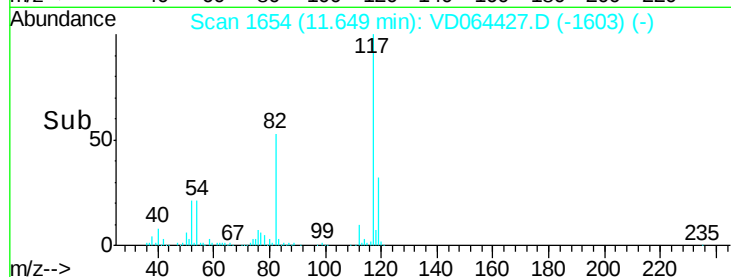
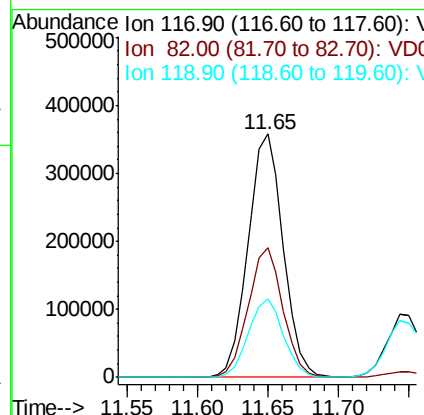
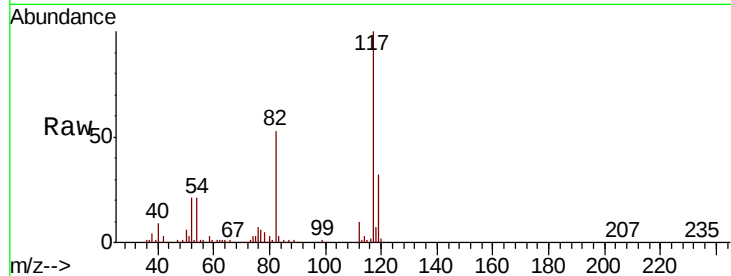
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	623626		
82	53.1		41.4	62.2
119	32.1		26.2	39.2

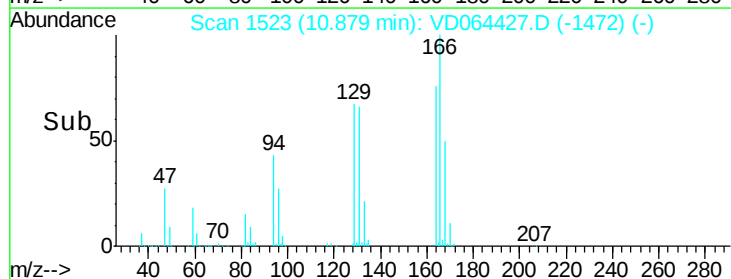
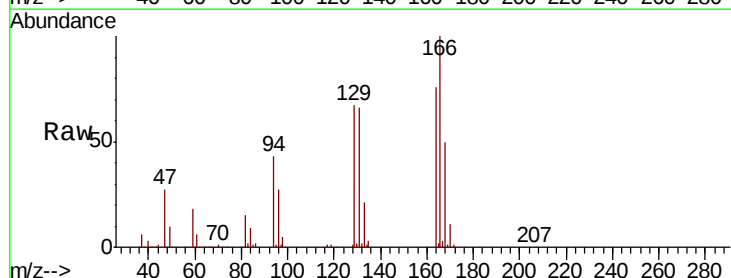
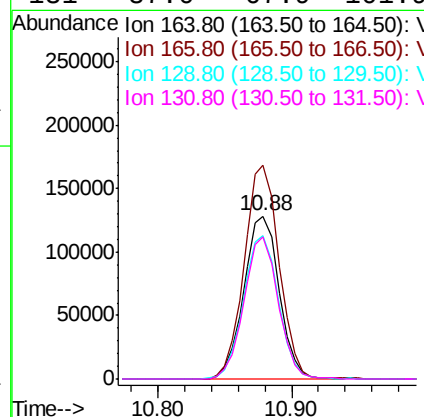
Manual Integrations
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#64
Tetrachloroethene
Concen: 49.326 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	234575		
166	131.1		104.8	157.2
129	88.3		68.7	103.1
131	87.0		67.9	101.9





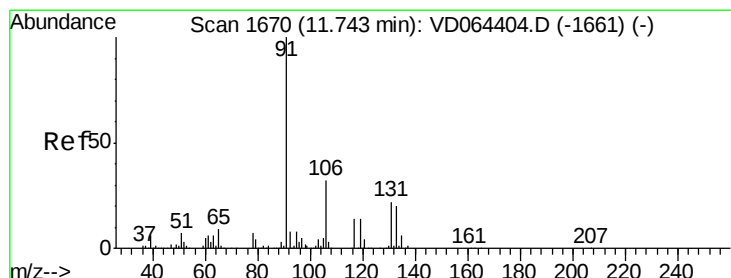
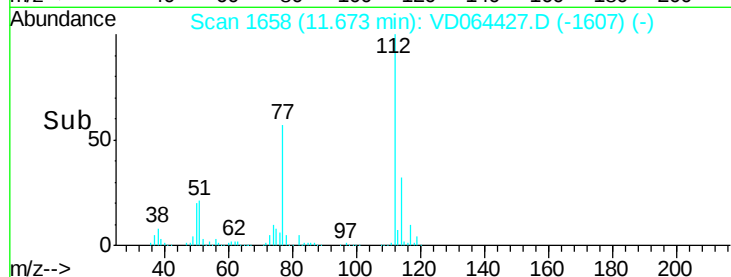
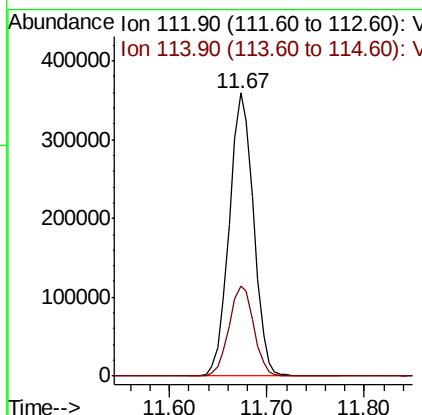
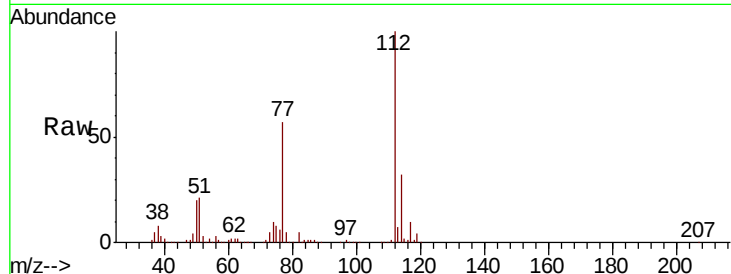
#65
Chlorobenzene
Concen: 47.589 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.5	39.7

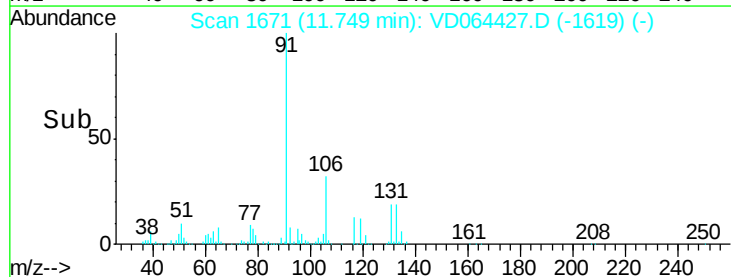
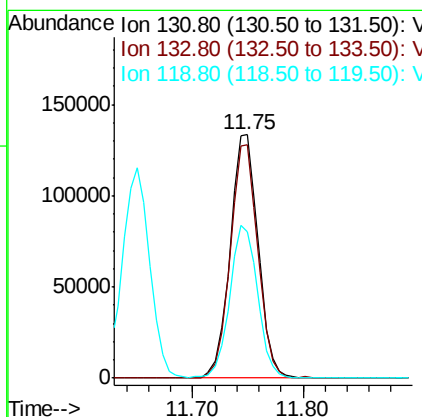
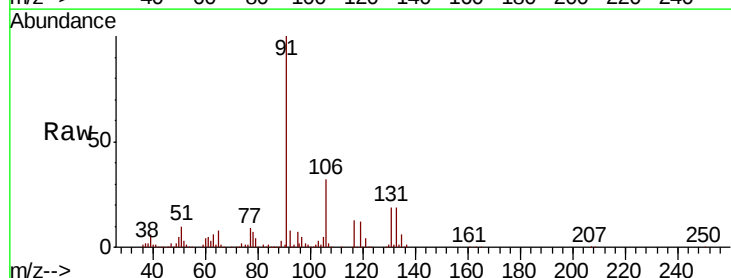
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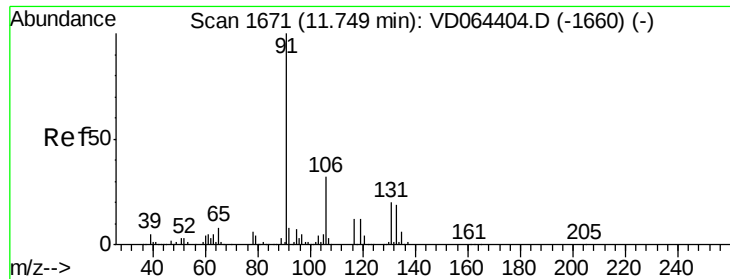
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.401 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	48.3	144.9
119	62.5	31.9	95.9





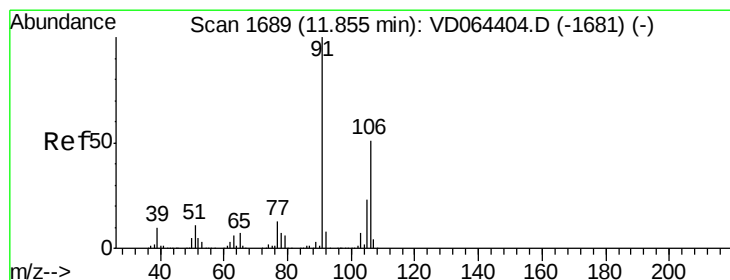
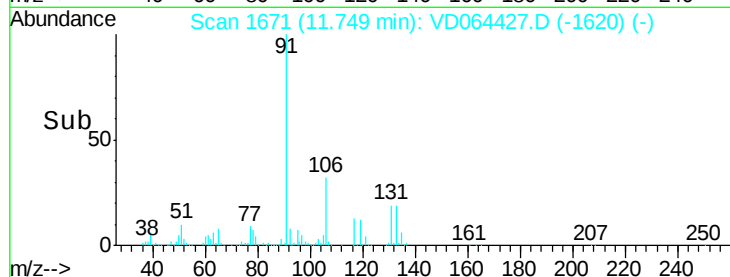
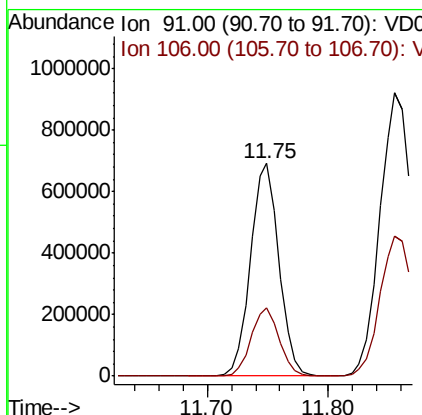
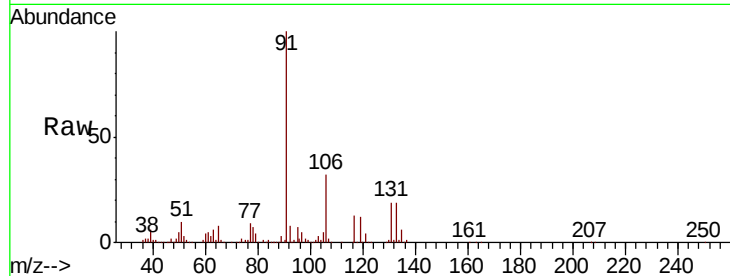
#67
Ethyl Benzene
Concen: 49.257 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1139915
Ion Ratio Lower Upper
91 100
106 32.0 25.8 38.8

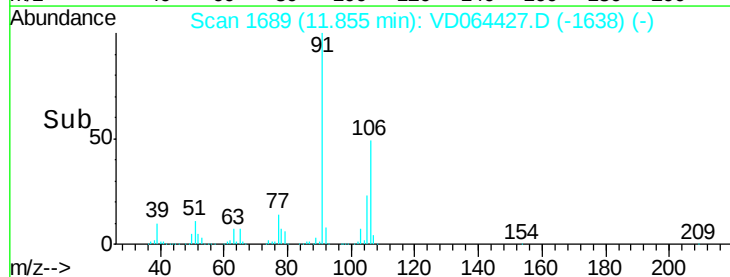
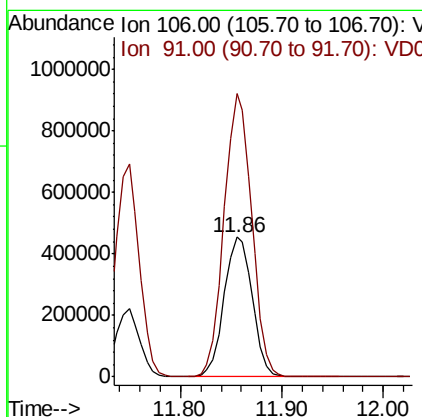
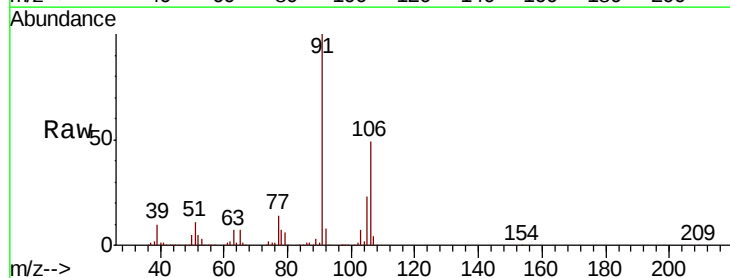
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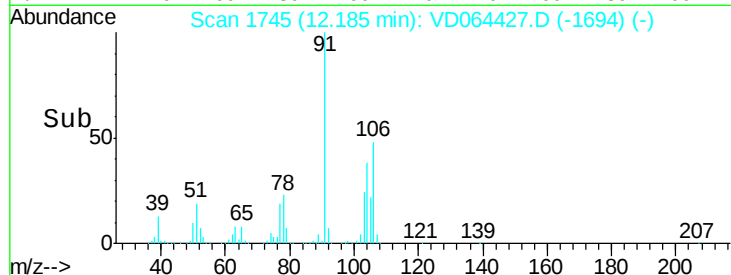
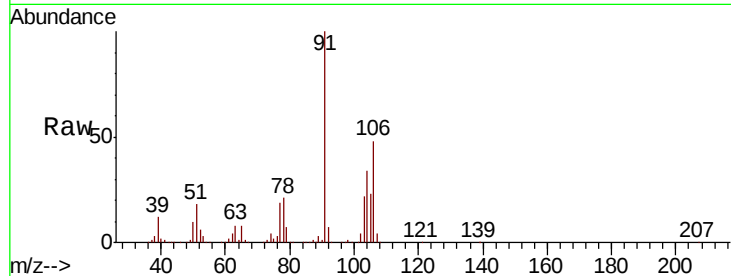
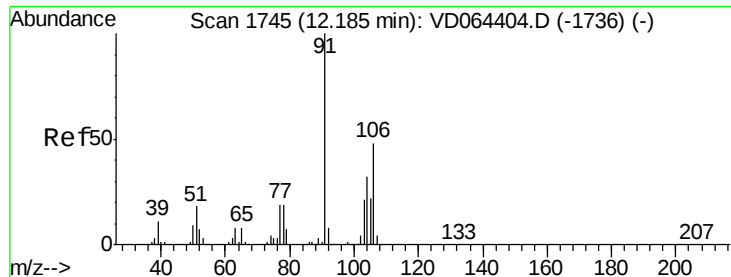
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#68
m/p-Xylenes
Concen: 99.354 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion: 106 Resp: 876684
Ion Ratio Lower Upper
106 100
91 199.0 157.4 236.2





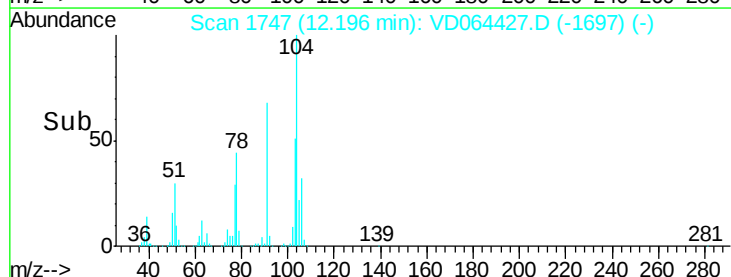
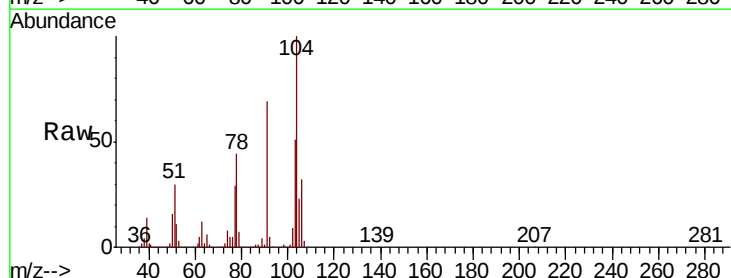
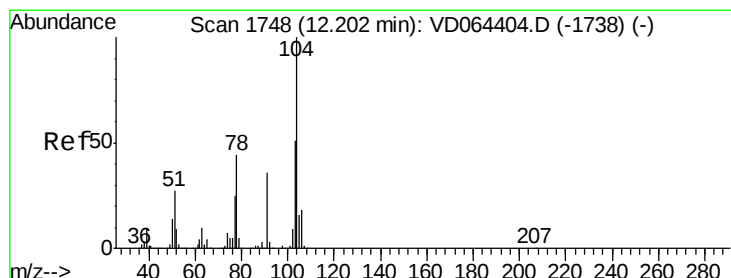
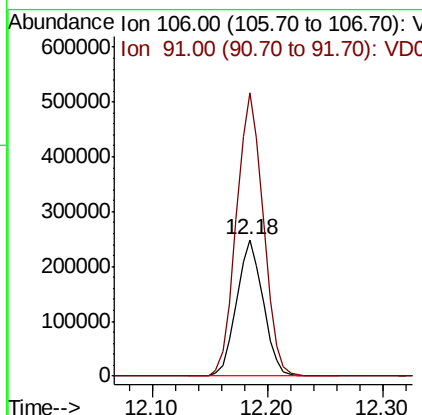
#69
o-Xylene
Concen: 48.566 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.8	103.8	311.4

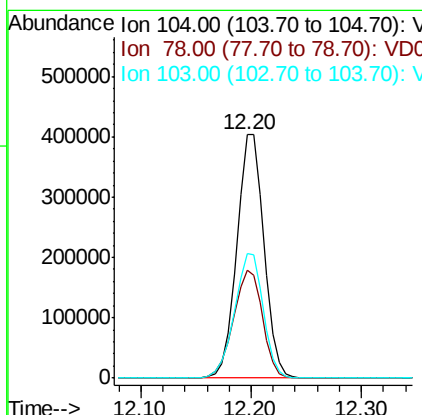
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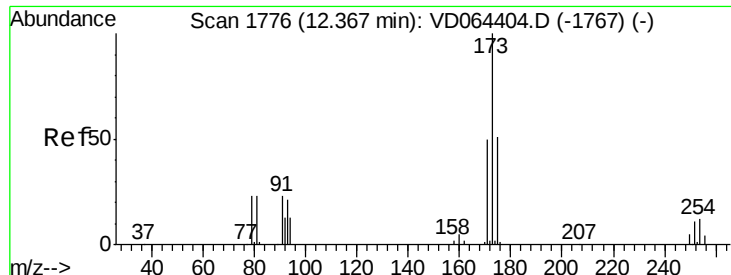
apatel
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#70
Styrene
Concen: 49.343 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.5	38.8	58.2
103	54.1	44.2	66.4





#71

Bromoform

Concen: 44.602 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

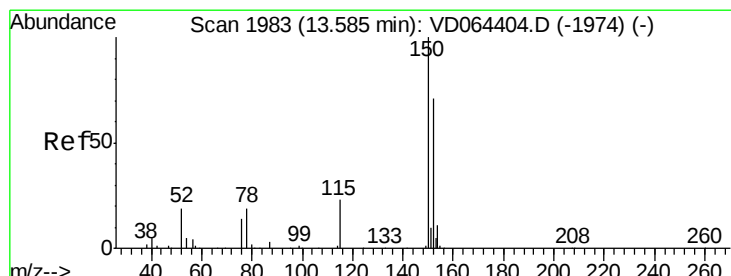
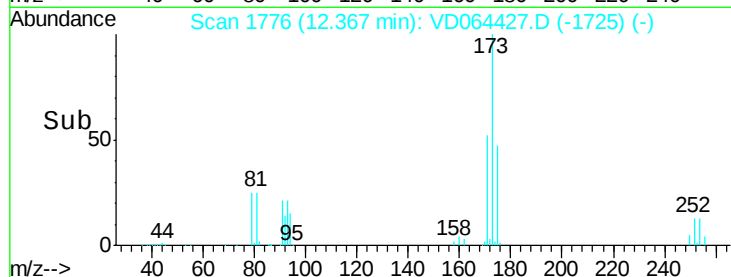
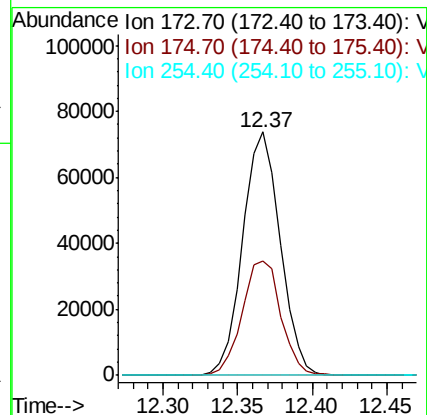
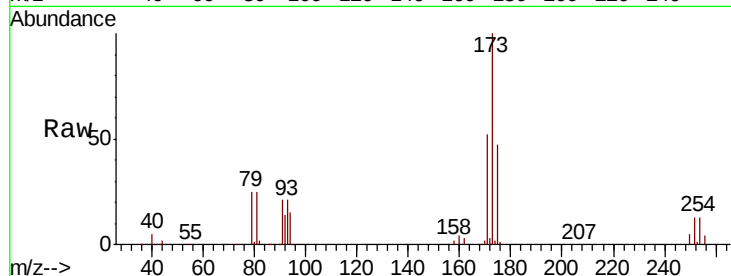
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	25.3	75.8
254	0.1	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

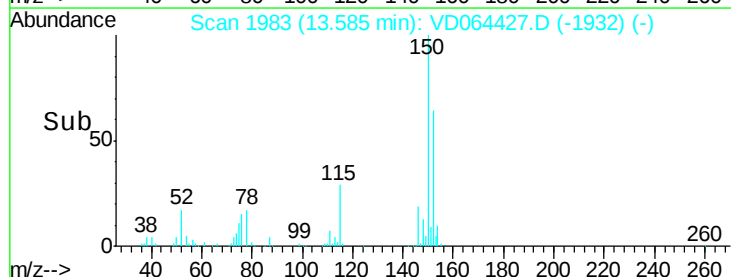
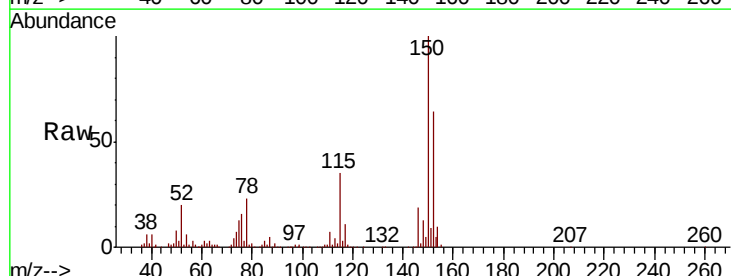
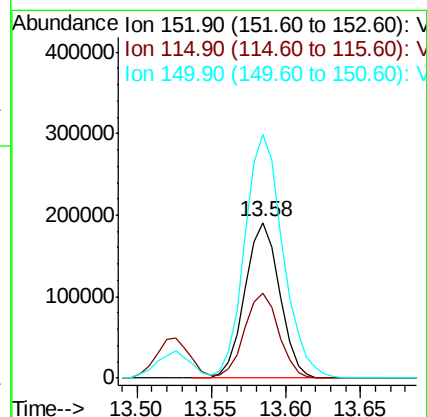
RT: 13.58 min Scan# 1983

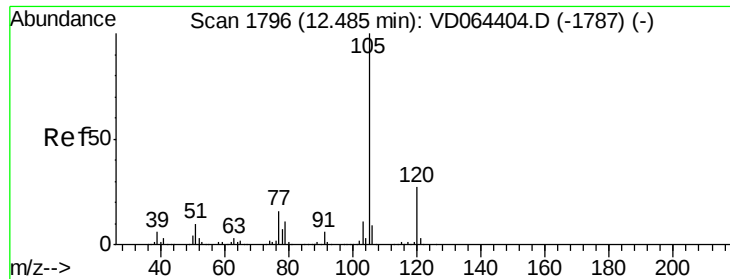
Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	26.7	80.1
150	172.7	0.0	347.2





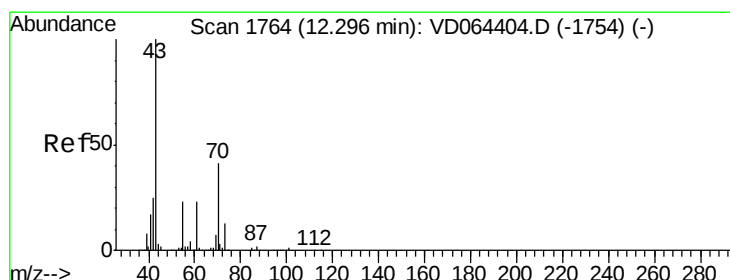
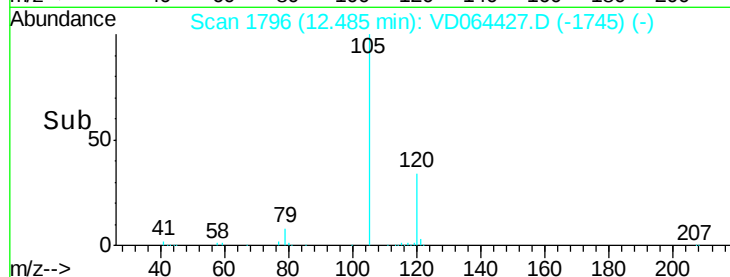
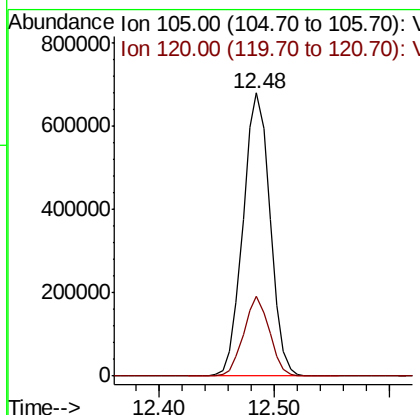
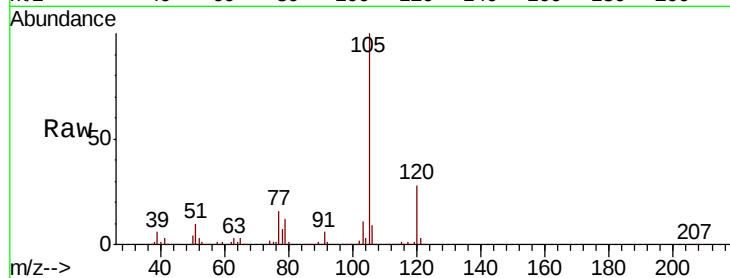
#73
Isopropylbenzene
Concen: 50.021 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1102878
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2

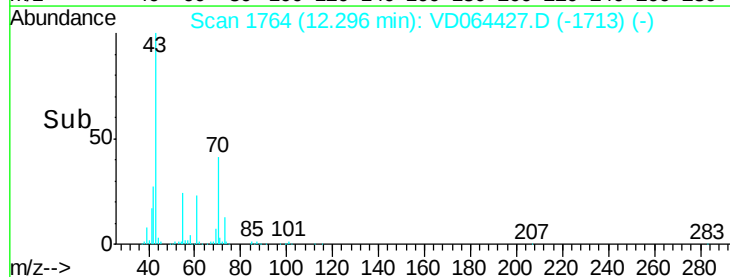
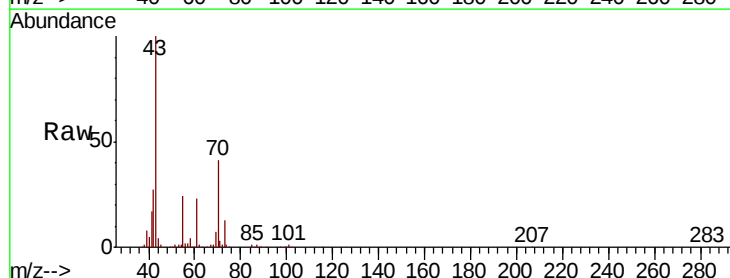
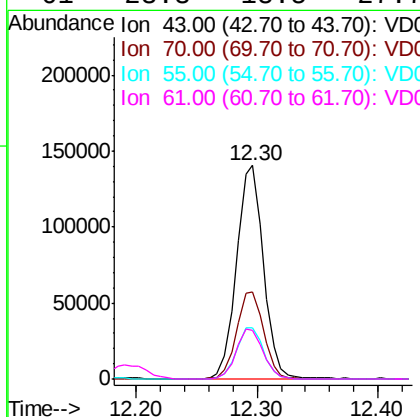
Manual Integrations
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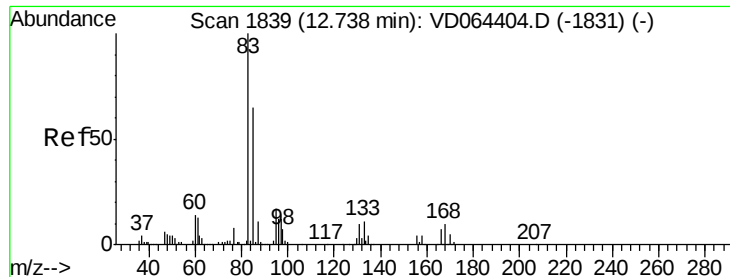
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#74
N-ethyl acetate
Concen: 43.745 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion: 43 Resp: 218906
Ion Ratio Lower Upper
43 100
70 41.3 33.4 50.2
55 24.3 18.9 28.3
61 23.3 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 43.598 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 158965

Ion Ratio Lower Upper

83 100

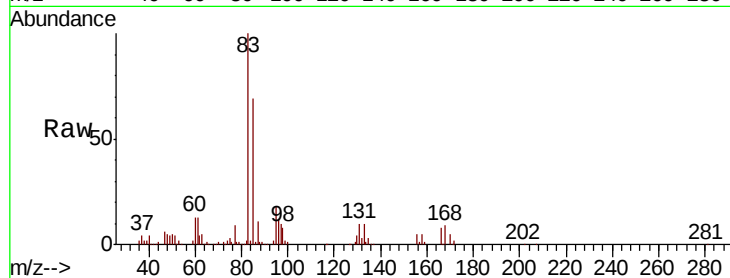
131 11.6 5.7 17.0

85 65.7 31.3 93.9

Manual Integrations
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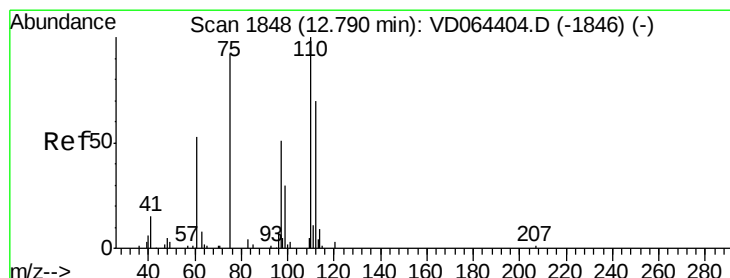
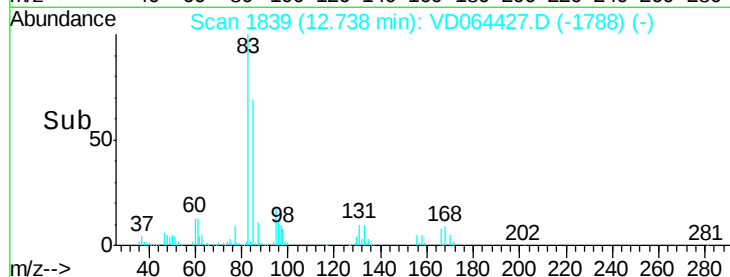
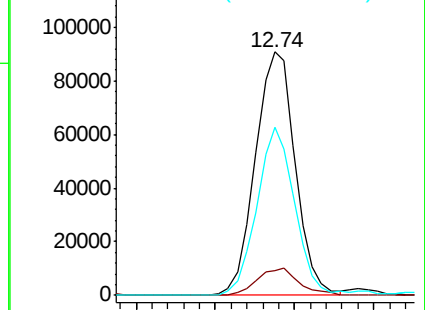
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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 42.251 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD064427.D

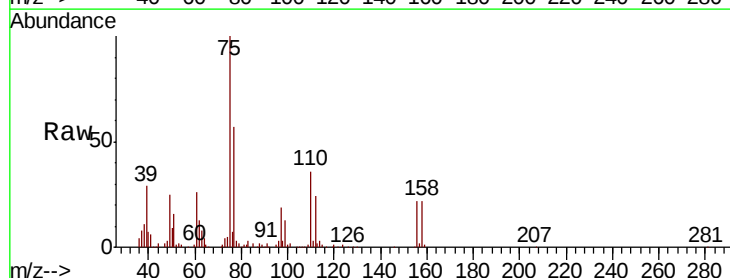
Acq: 05 Dec 2019 10:31

Tgt Ion: 75 Resp: 106518

Ion Ratio Lower Upper

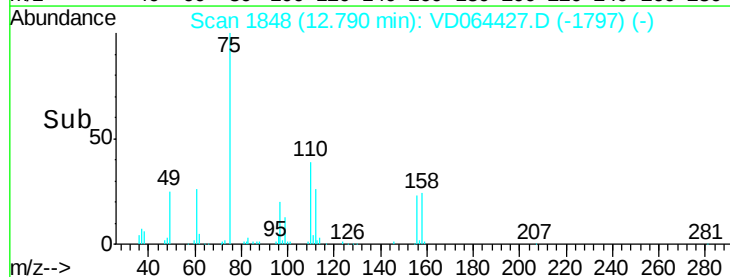
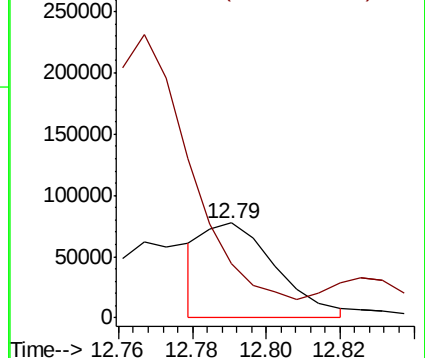
75 100

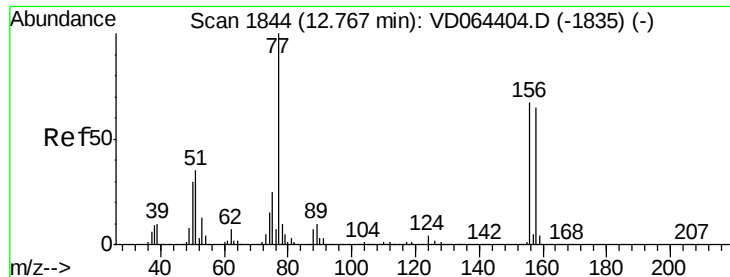
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 47.210 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

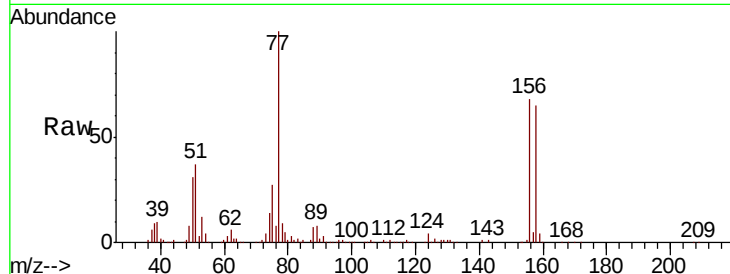
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	257051
Ion Ratio	Lower	Upper	
156	100		
77	164.0	80.0	240.2
158	98.7	48.9	146.6

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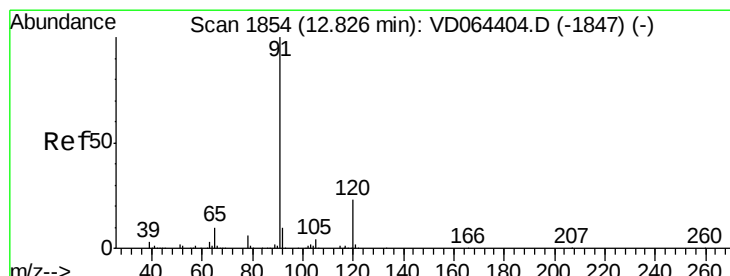
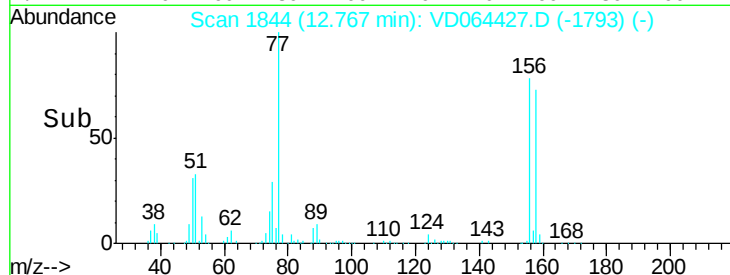
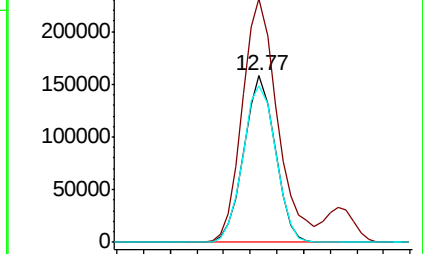
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.707 ug/l

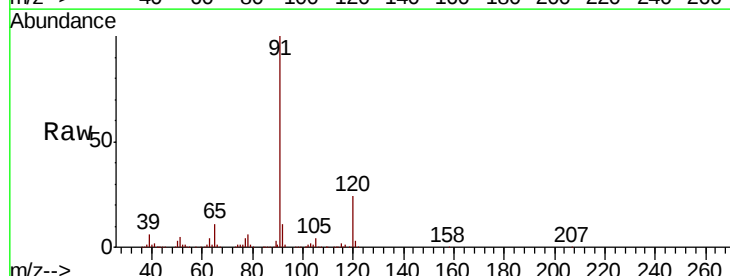
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064427.D

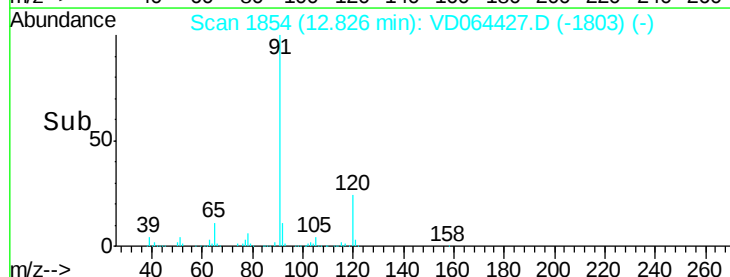
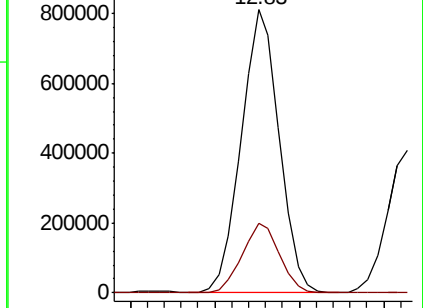
Acq: 05 Dec 2019 10:31

Tgt Ion:	91	Resp:	1264536
Ion Ratio	Lower	Upper	
91	100		
120	24.3	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





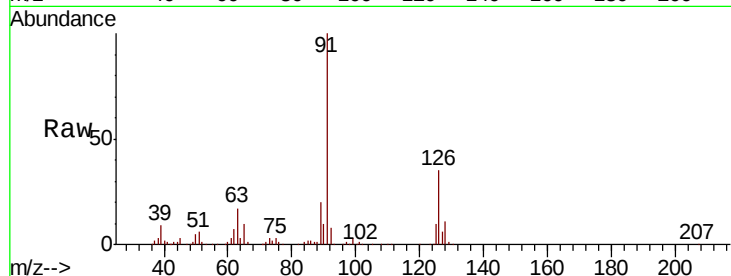
#79
2-Chlorotoluene
Concen: 48.953 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

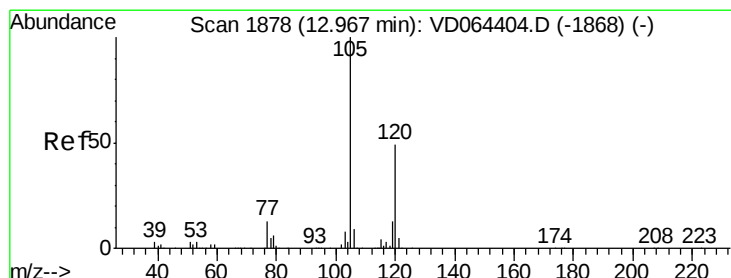
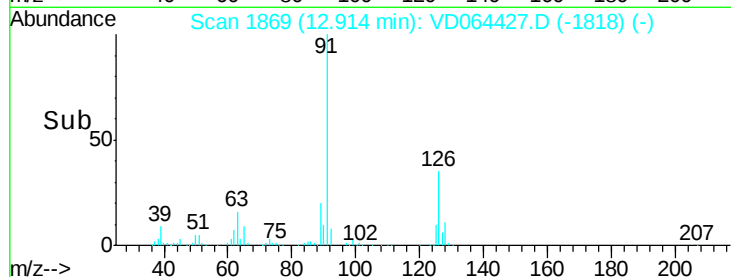
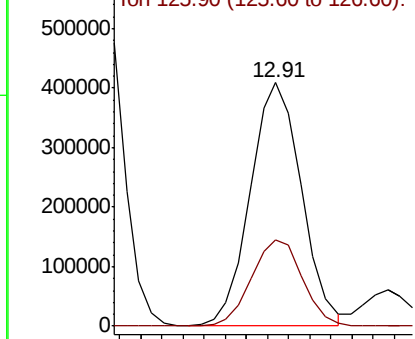
Tot Ion: 91 Resp: 685247
Ion Ratio Lower Upper
91 100
126 35.7 18.0 54.0

Manual Integrations
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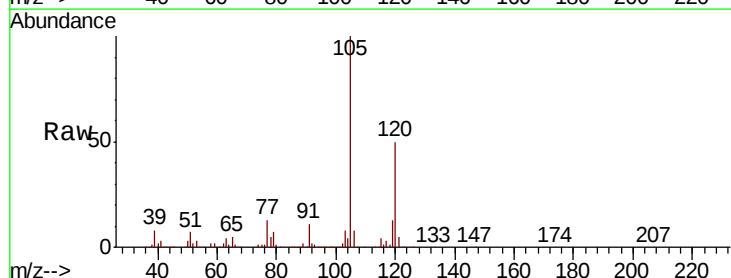


Abundance Ion 91.00 (90.70 to 91.70): VD
Ion 125.90 (125.60 to 126.60): V

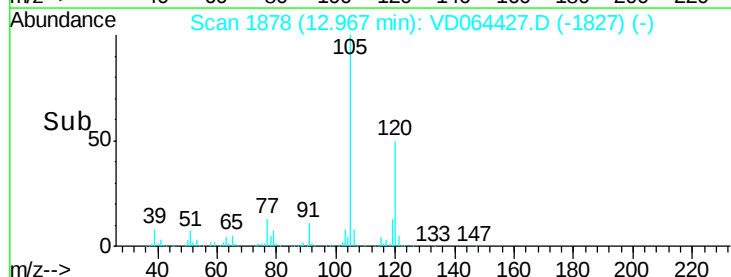
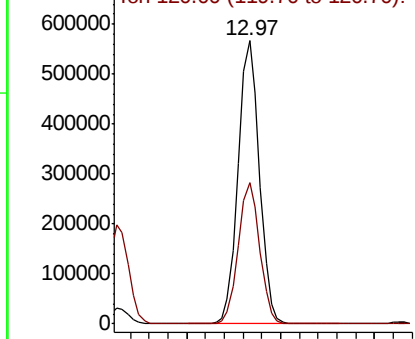


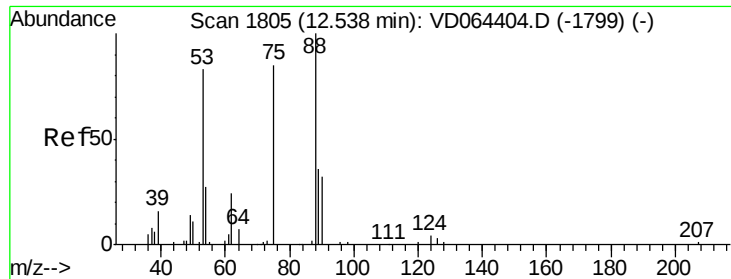
#80
1,3,5-Trimethylbenzene
Concen: 49.444 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion:105 Resp: 890884
Ion Ratio Lower Upper
105 100
120 50.3 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





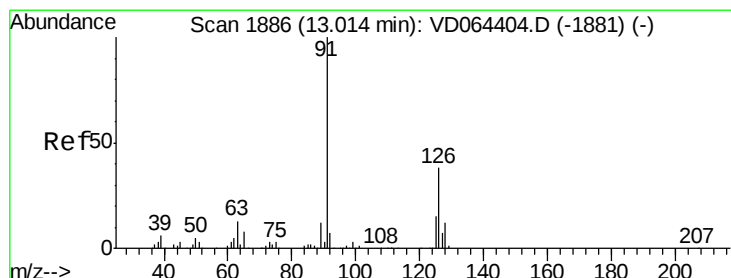
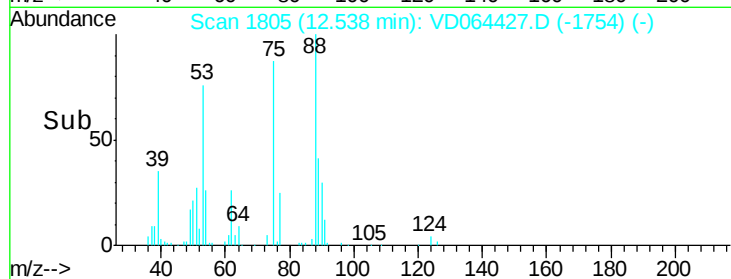
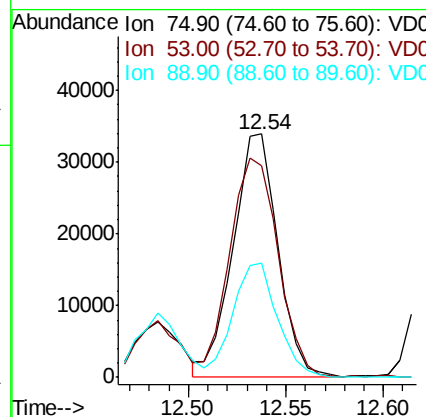
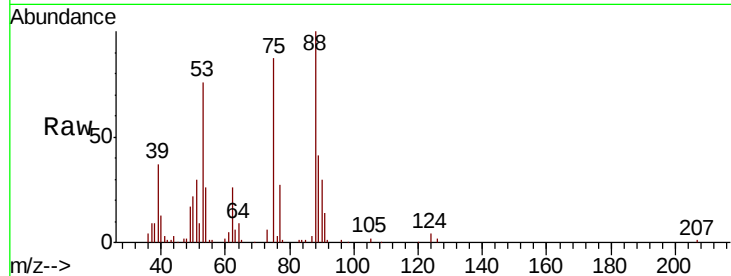
#81
trans-1,4-Dichloro-2-butene
Concen: 46.865 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.9	81.0	121.6
89	46.4	38.5	57.7

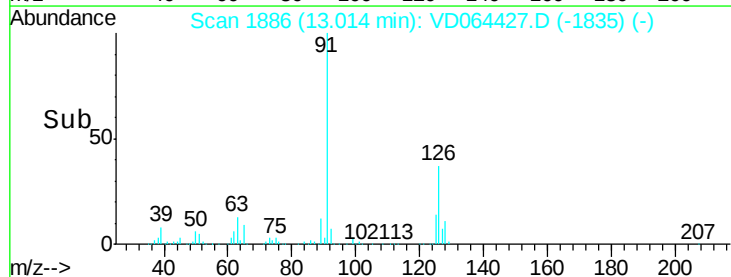
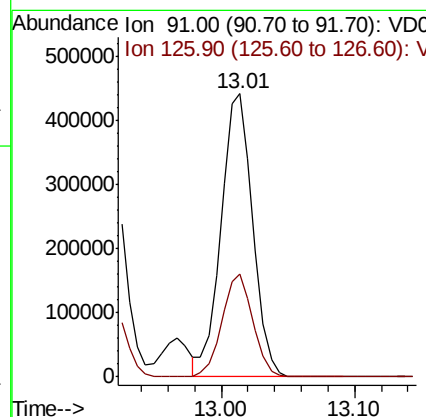
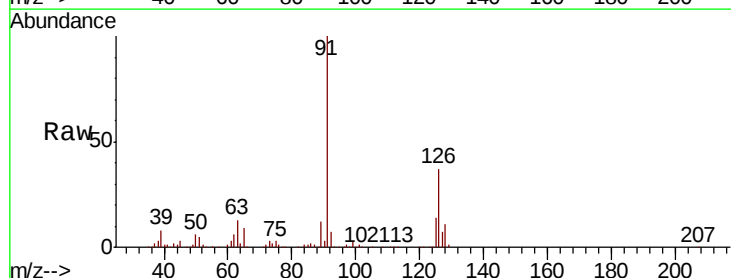
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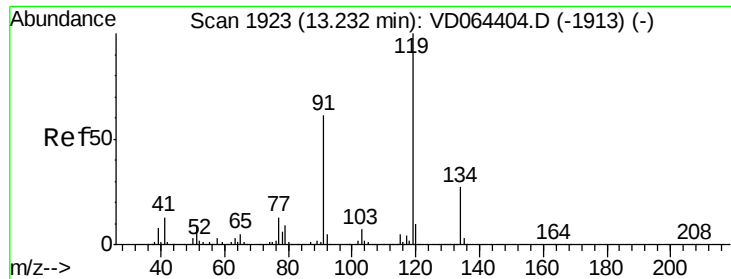
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#82
4-Chlorotoluene
Concen: 49.576 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	18.2	54.6





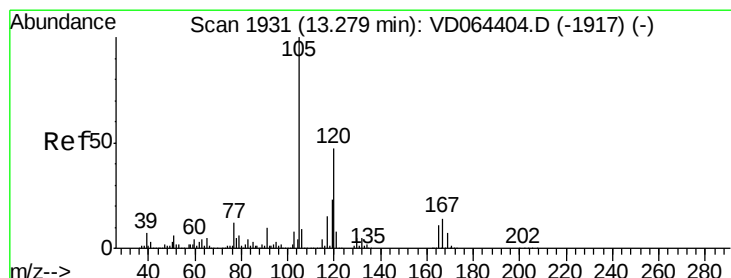
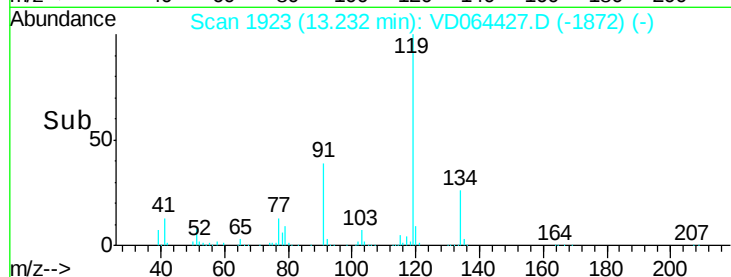
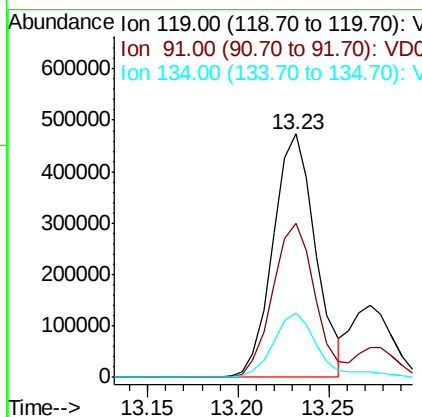
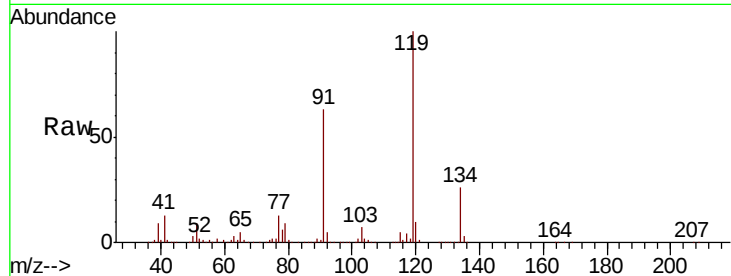
#83
tert-Butylbenzene
Concen: 49.486 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	31.2	93.6
134	28.0	13.9	41.7

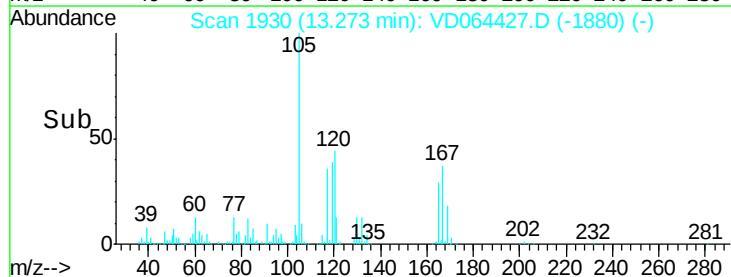
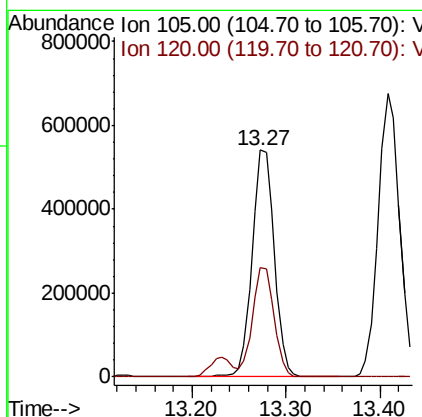
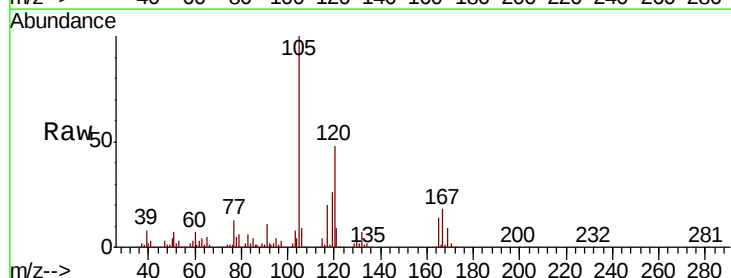
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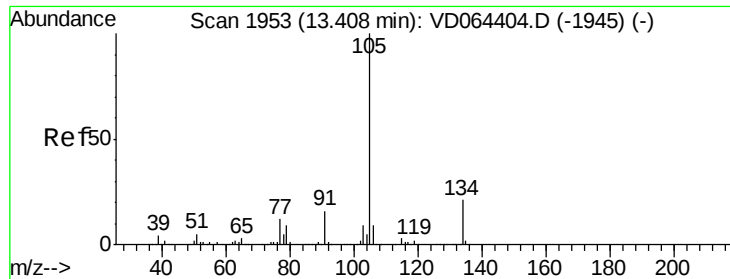
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#84
1,2,4-Trimethylbenzene
Concen: 48.784 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.6	70.8





#85

sec-Butylbenzene

Concen: 49.770 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1070009

Ion Ratio Lower Upper

105 100

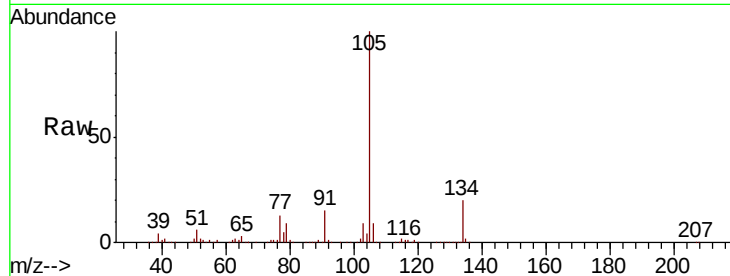
134 21.1 10.5 31.5

Manual Integrations

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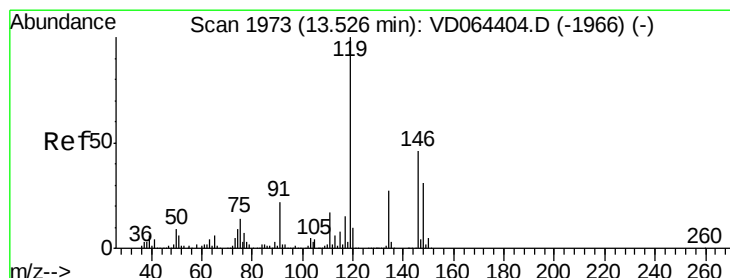
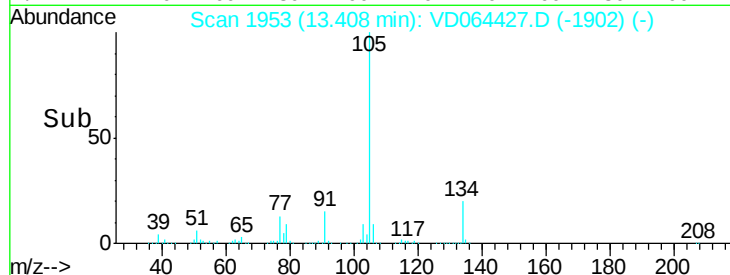
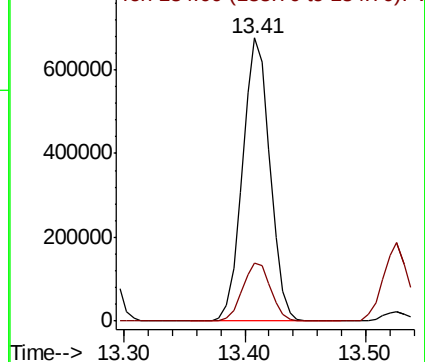
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.207 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064427.D

Acq: 05 Dec 2019 10:31

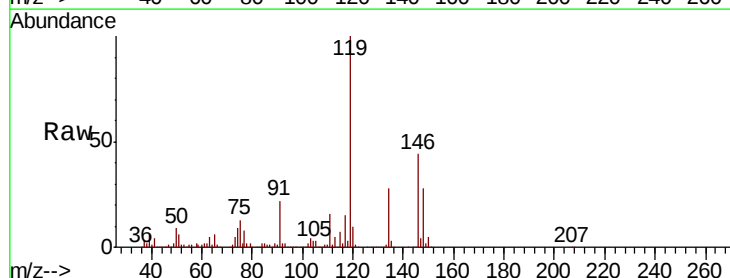
Tgt Ion:119 Resp: 1019056

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

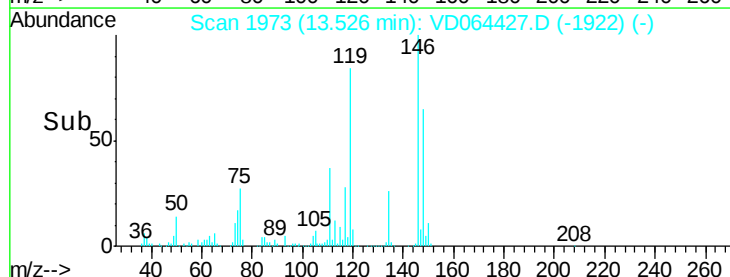
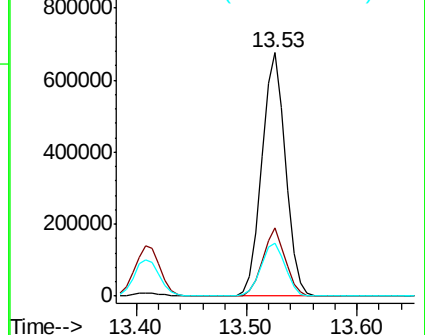
91 22.5 11.2 33.5

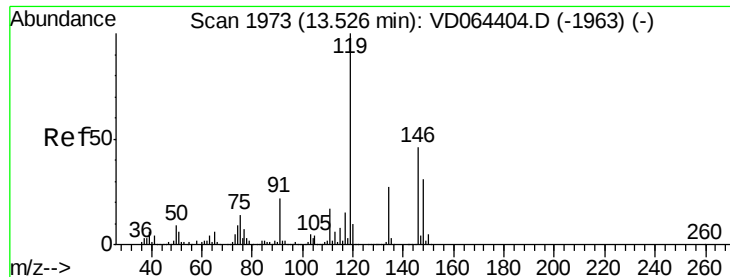


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





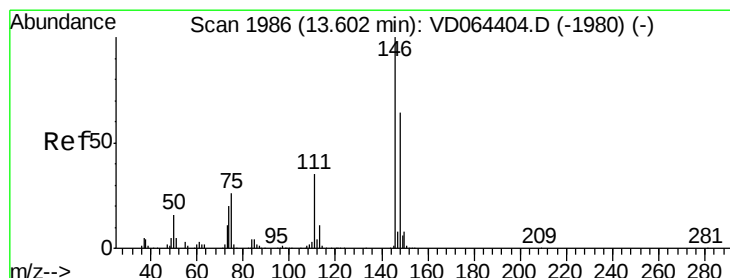
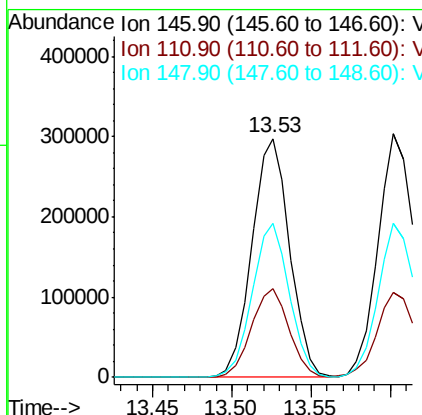
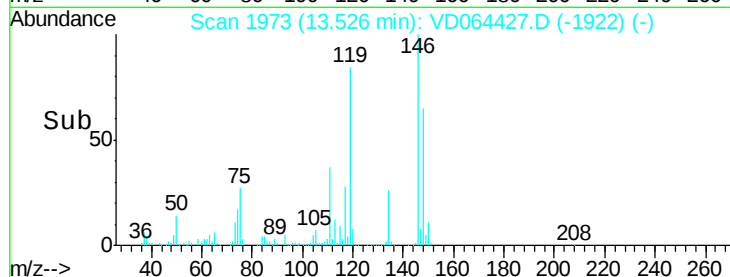
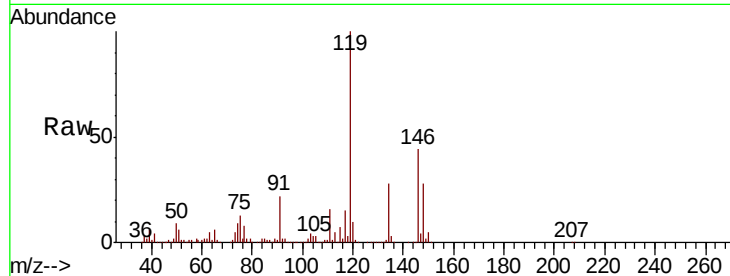
#87
 1,3-Dichlorobenzene
 Concen: 47.701 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.4
148	63.5	32.6	97.8

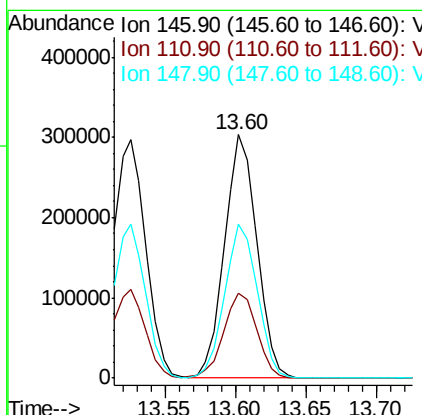
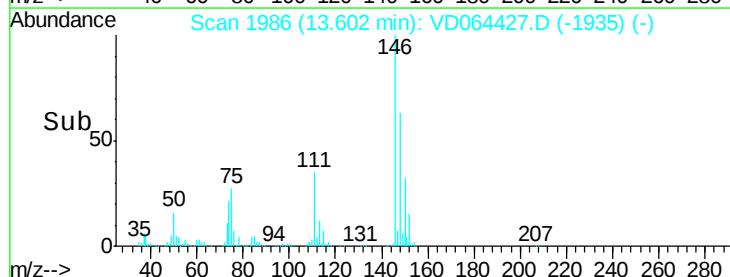
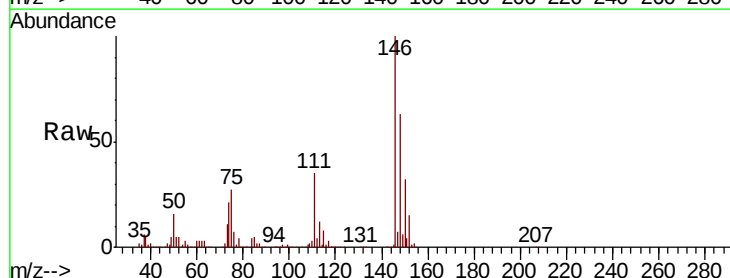
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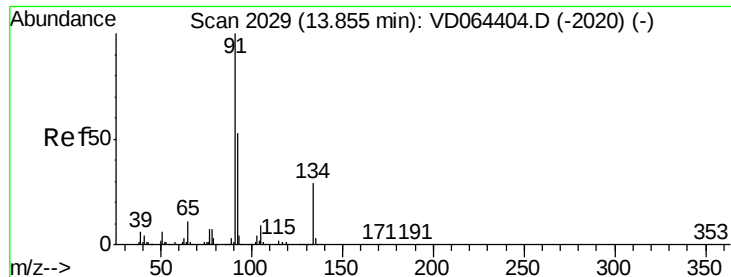
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#88
 1,4-Dichlorobenzene
 Concen: 47.404 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.2	54.6
148	63.7	31.8	95.4





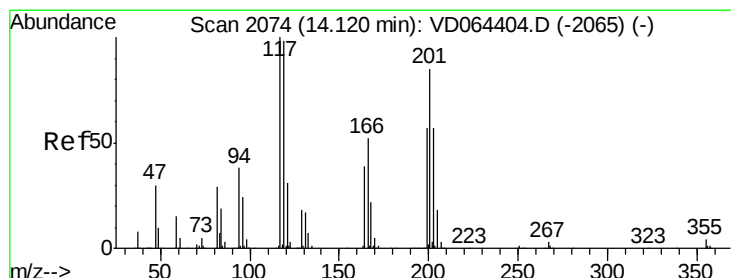
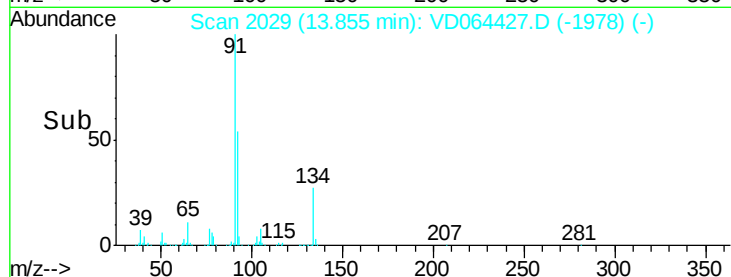
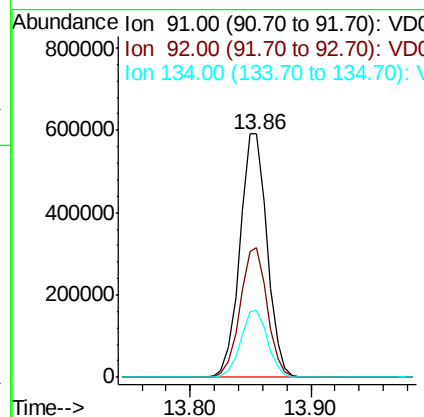
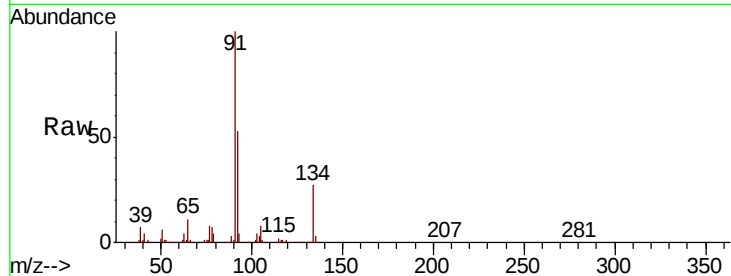
#89
n-Butylbenzene
Concen: 50.335 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.5	79.4
134	27.4	13.9	41.7

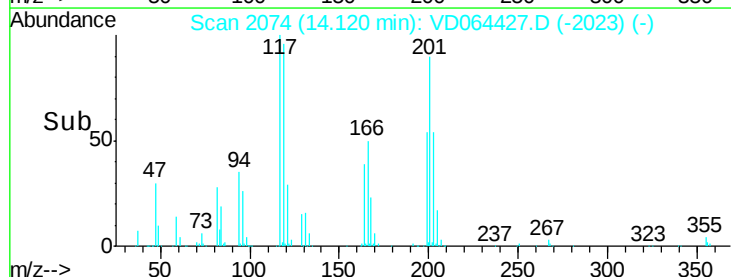
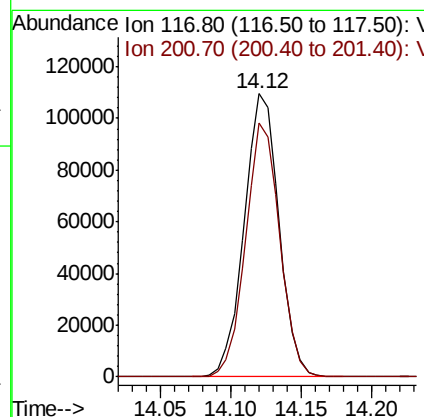
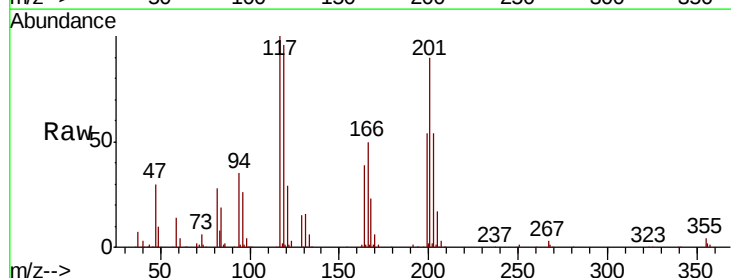
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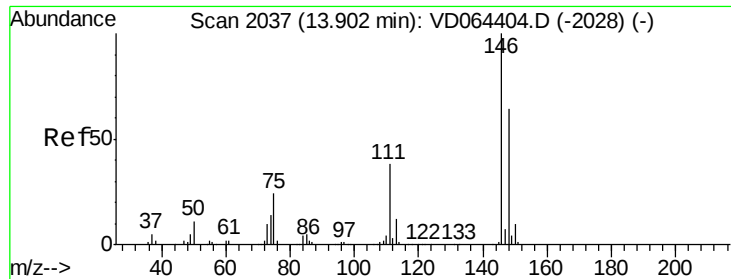
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#90
Hexachloroethane
Concen: 49.749 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.1	44.3	132.8





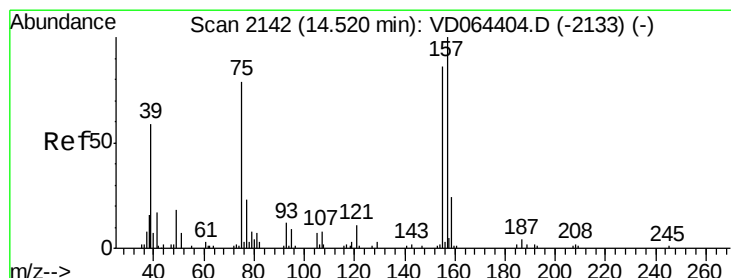
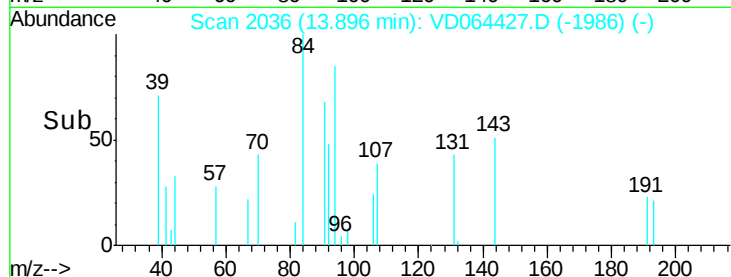
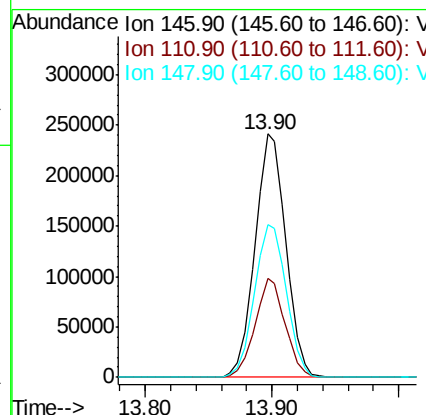
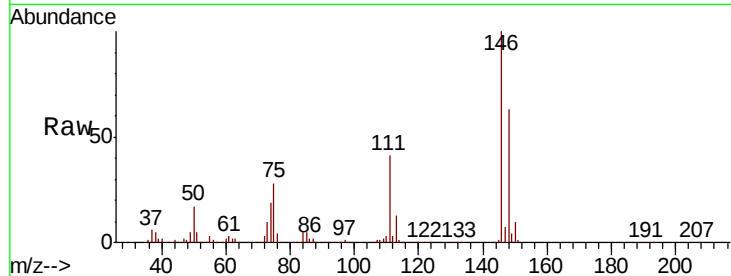
#91
 1,2-Dichlorobenzene
 Concen: 46.291 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.3
148	64.8	32.0	96.0

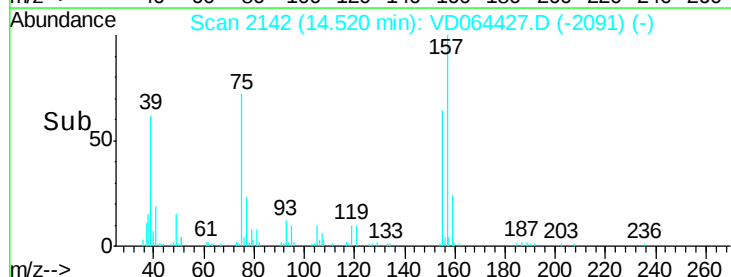
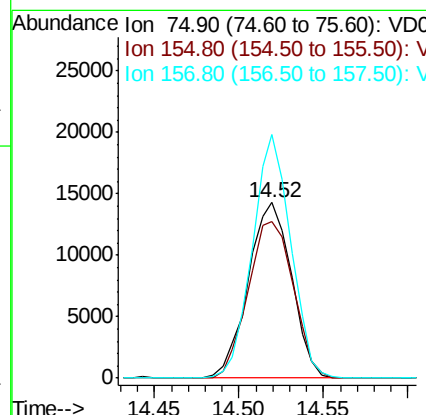
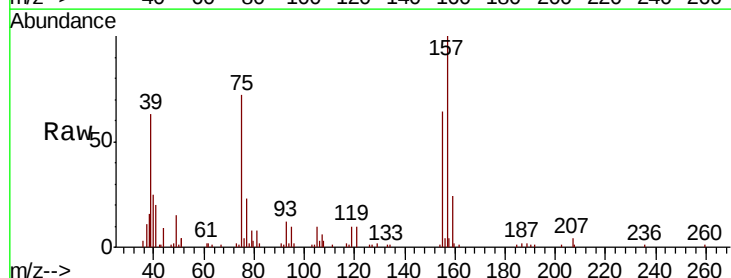
Manual Integrations
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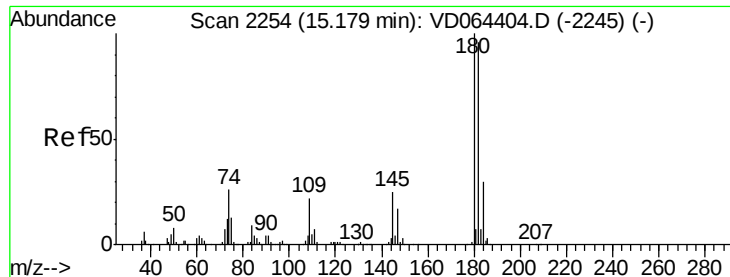
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.501 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	51.9	155.7
157	122.9	63.2	189.8





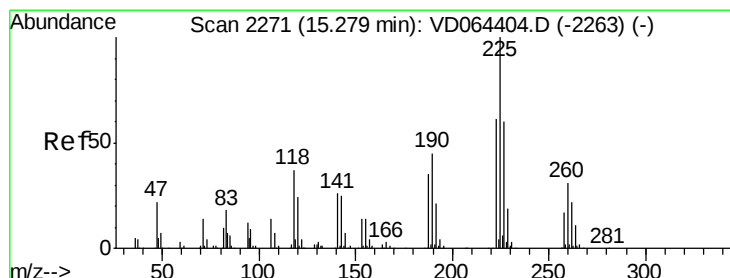
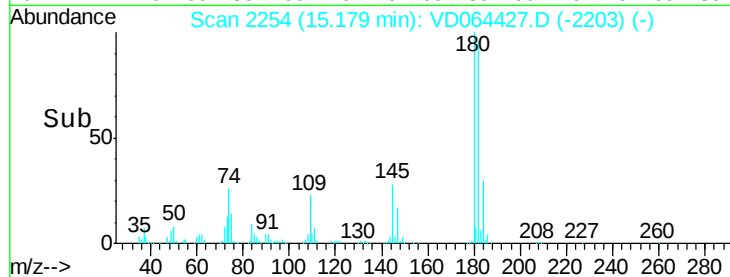
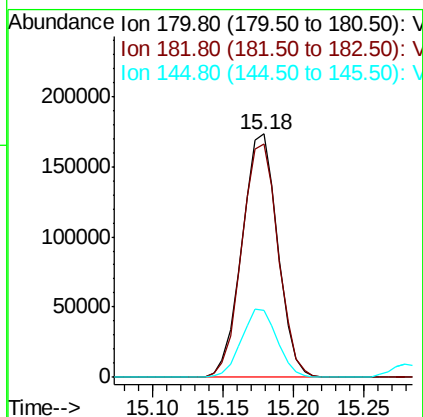
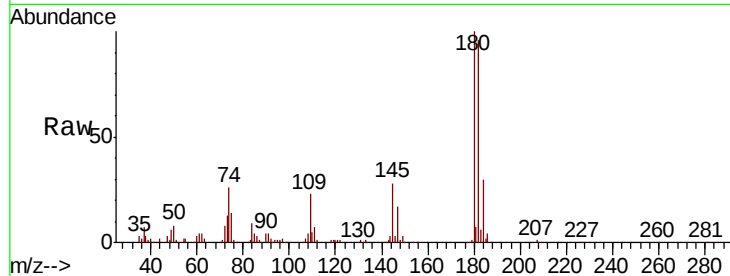
#93
 1,2,4-Trichlorobenzene
 Concen: 45.392 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	307021		
182	97.7	47.4	142.3	
145	28.1	14.0	41.9	

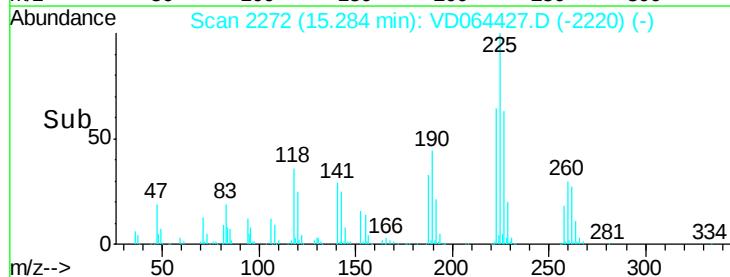
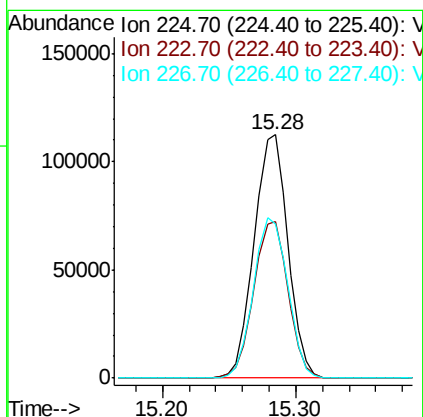
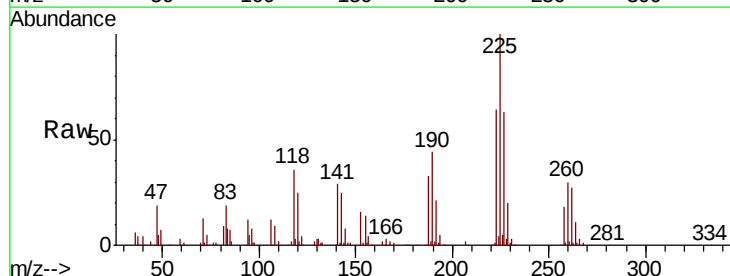
Manual Integrations
 APPROVED

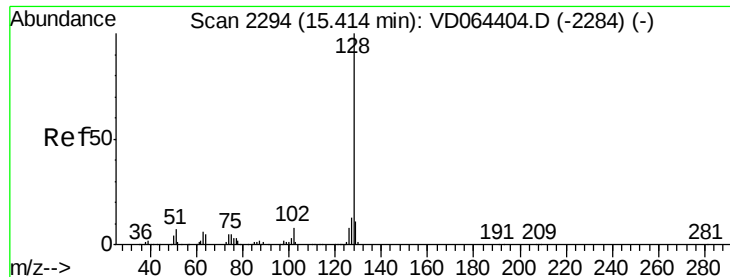
apatel
 12/6/2019 12:59:10 PM



#94
 Hexachlorobutadiene
 Concen: 47.164 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064427.D
 Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	196935		
223	65.4	31.1	93.3	
227	66.7	31.8	95.4	





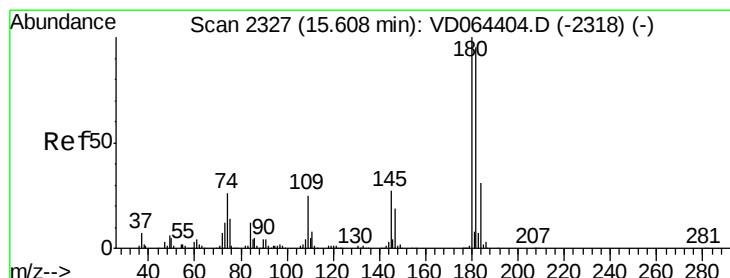
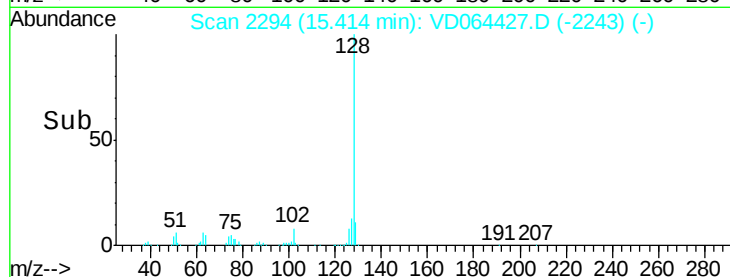
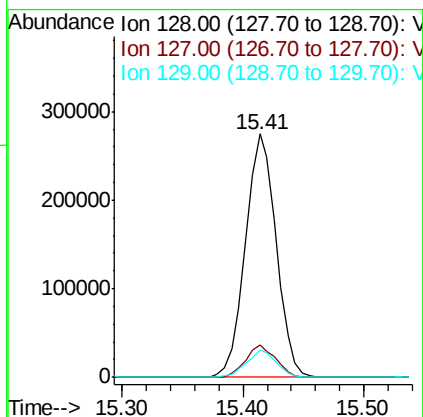
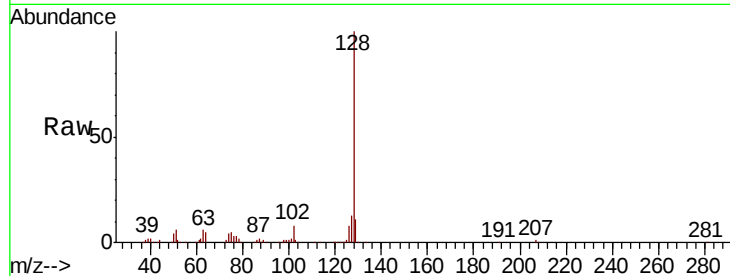
#95
Naphthalene
Concen: 43.377 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.7	8.8	13.2

Manual Integrations
APPROVED

apatel
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#96
1,2,3-Trichlorobenzene
Concen: 45.793 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064427.D
Acq: 05 Dec 2019 10:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.9
145	28.9	14.6	43.8

