

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120919\
 Data File : VD064469.D
 Acq On : 09 Dec 2019 11:50
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 12/10/2019 4:06:46 PM

Quant Time: Dec 10 02:48:41 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	504993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	720723	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	621073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	300075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	217390	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
35) Dibromofluoromethane	7.91	113	226152	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	10.34	98	882406	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
62) 4-Bromofluorobenzene	12.64	95	269201	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	231885	50.677	ug/l	98
3) Chloromethane	2.21	50	283682	49.154	ug/l	98
4) Vinyl Chloride	2.35	62	346918	52.062	ug/l	99
5) Bromomethane	2.77	94	234555	47.599	ug/l	99
6) Chloroethane	2.92	64	221494	49.730	ug/l	95
7) Trichlorofluoromethane	3.27	101	585765	52.878	ug/l	96
8) Diethyl Ether	3.70	74	107697	46.785	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	254650	53.614	ug/l	97
10) Methyl Iodide	4.30	142	284403	56.701	ug/l	99
11) Tert butyl alcohol	5.25	59	62951	216.354	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	239189	52.549	ug/l	97
13) Acrolein	3.92	56	93144	234.698	ug/l	98
14) Allyl chloride	4.71	41	377887	53.197	ug/l	98
15) Acrylonitrile	5.43	53	217384	215.956	ug/l	97
16) Acetone	4.16	43	253095	274.004	ug/l	96
17) Carbon Disulfide	4.40	76	741737	51.452	ug/l	97
18) Methyl Acetate	4.72	43	110141	40.879	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	484751	46.427	ug/l	98
20) Methylene Chloride	4.96	84	249734	53.524	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	263198	51.119	ug/l	97
22) Diisopropyl ether	6.37	45	692598	49.389	ug/l	97
23) Vinyl Acetate	6.31	43	1964951	237.678	ug/l	99
24) 1,1-Dichloroethane	6.26	63	432301	51.260	ug/l	98
25) 2-Butanone	7.22	43	287403	220.014	ug/l	99
26) 2,2-Dichloropropane	7.21	77	412444	56.236	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	278238	49.568	ug/l	97
28) Bromochloromethane	7.55	49	145680	50.546	ug/l	99
29) Tetrahydrofuran	7.57	42	170379	205.006	ug/l	98
30) Chloroform	7.71	83	439844	50.359	ug/l	98
31) Cyclohexane	7.99	56	422450	58.120	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	431677	53.310	ug/l	99
36) 1,1-Dichloropropene	8.11	75	369135	54.149	ug/l	99
37) Ethyl Acetate	7.30	43	122045	42.192	ug/l	99
38) Carbon Tetrachloride	8.10	117	407372	56.620	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	461055	54.522	ug/l	98
40) Benzene	8.35	78	983980	51.969	ug/l	99
41) Methacrylonitrile	7.53	41	79211	47.750	ug/l	95
42) 1,2-Dichloroethane	8.43	62	264213	47.851	ug/l	99
43) Isopropyl Acetate	8.46	43	250573	44.057	ug/l	98
44) Trichloroethene	9.11	130	297671	52.192	ug/l	95
45) 1,2-Dichloropropane	9.38	63	233088	51.475	ug/l	97
46) Dibromomethane	9.48	93	119691	46.833	ug/l	99
47) Bromodichloromethane	9.66	83	331442	50.473	ug/l	97
48) Methyl methacrylate	9.46	41	117218	45.040	ug/l	93
49) 1,4-Dioxane	9.46	88	26099	826.989	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	614742	218.452	ug/l	98
52) Toluene	10.40	92	640592	51.915	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	312290	49.900	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	378400	50.896	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	163582	46.745	ug/l	98
56) Ethyl methacrylate	10.66	69	202538	45.378	ug/l	96
57) 1,3-Dichloropropane	10.95	76	281124	47.192	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	391272	219.906	ug/l	99
59) 2-Hexanone	10.98	43	441493	226.097	ug/l	99
60) Dibromochloromethane	11.14	129	225850	47.600	ug/l	98
61) 1,2-Dibromoethane	11.25	107	160479	45.929	ug/l	100
64) Tetrachloroethene	10.87	164	257506	54.370	ug/l	96
65) Chlorobenzene	11.67	112	666633	51.463	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	249718	52.076	ug/l	99
67) Ethyl Benzene	11.74	91	1240213	53.812	ug/l	99
68) m/p-Xylenes	11.86	106	960798	109.334	ug/l	99
69) o-Xylene	12.18	106	429892	52.969	ug/l	100
70) Styrene	12.20	104	741358	52.565	ug/l	100
71) Bromoform	12.36	173	133213	46.433	ug/l #	98
73) Isopropylbenzene	12.48	105	1197555	55.489	ug/l	99
74) N-amyl acetate	12.29	43	229977	46.951	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	163297	45.755	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	117742m	47.713	ug/l	
77) Bromobenzene	12.77	156	274734	51.549	ug/l	100
78) n-propylbenzene	12.83	91	1386952	55.698	ug/l	100
79) 2-Chlorotoluene	12.91	91	745601	54.416	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	966326	54.791	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	55116	48.702	ug/l	98
82) 4-Chlorotoluene	13.01	91	787622	54.292	ug/l	99
83) tert-Butylbenzene	13.23	119	867521	56.580	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	964455	54.384	ug/l	99
85) sec-Butylbenzene	13.41	105	1173167	55.749	ug/l	99
86) p-Isopropyltoluene	13.52	119	1114280	56.086	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	526783	52.078	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	514406	51.509	ug/l	100
89) n-Butylbenzene	13.85	91	1005289	55.720	ug/l	99
90) Hexachloroethane	14.12	117	203560	54.780	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	439320	50.819	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24720	46.005	ug/l	98

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QLast Update : Fri Nov 29 07:18:03 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	325452	49.158	ug/l	97
94) Hexachlorobutadiene	15.28	225	215163	52.644	ug/l	98
95) Naphthalene	15.41	128	504380	45.650	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	277572	49.116	ug/l	100

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

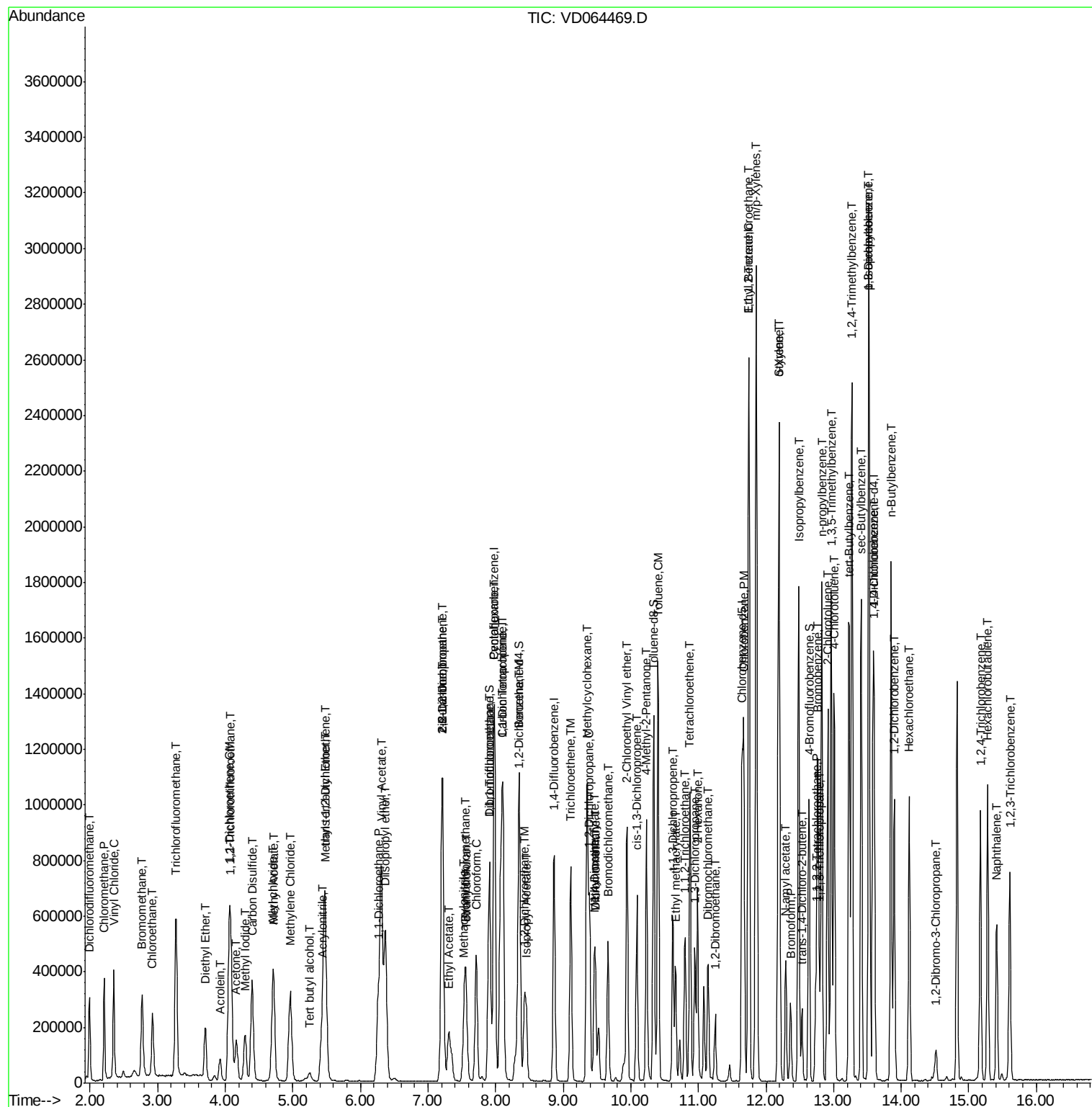
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120919\
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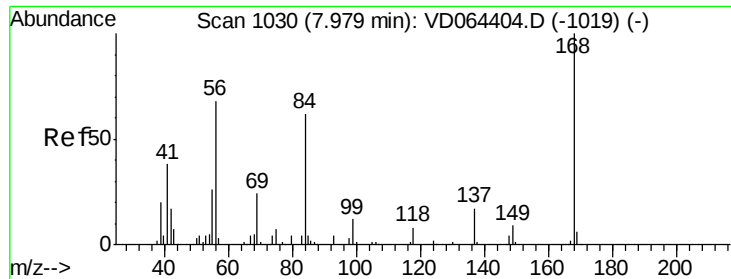
Instrument :
 MSVOA_D
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 504993

Ion Ratio Lower Upper

168 100

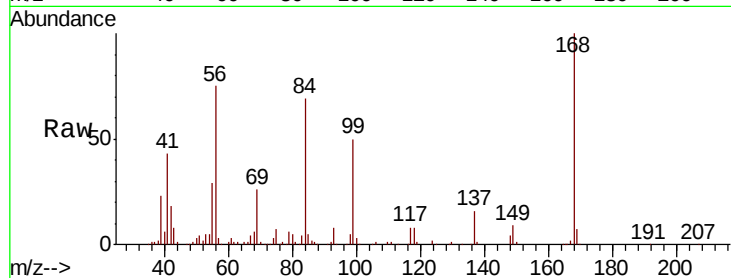
99 49.9 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

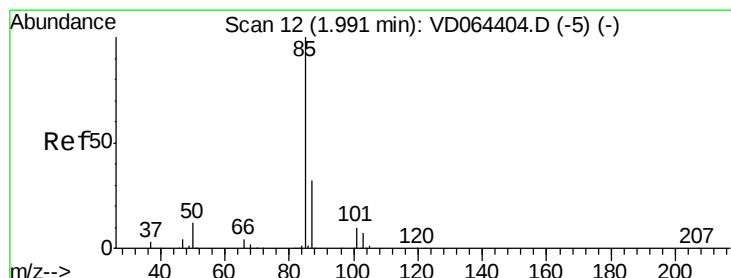
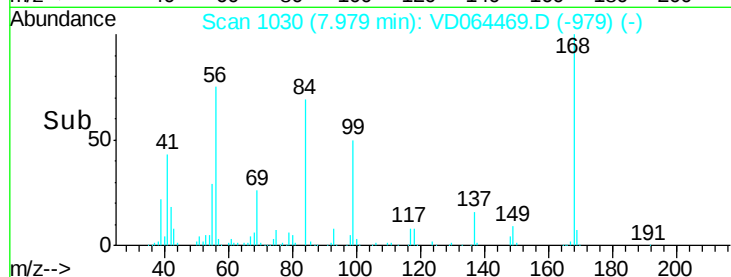
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.677 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064469.D

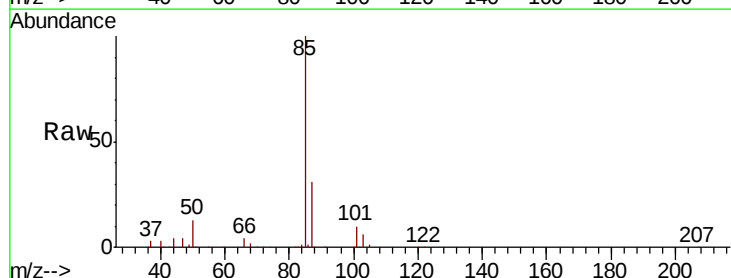
Acq: 09 Dec 2019 11:50

Tgt Ion: 85 Resp: 231885

Ion Ratio Lower Upper

85 100

87 31.2 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

0

1.90

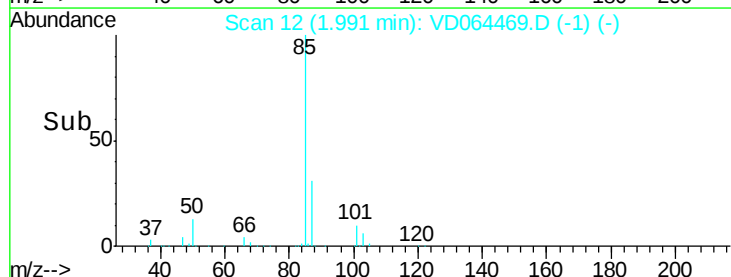
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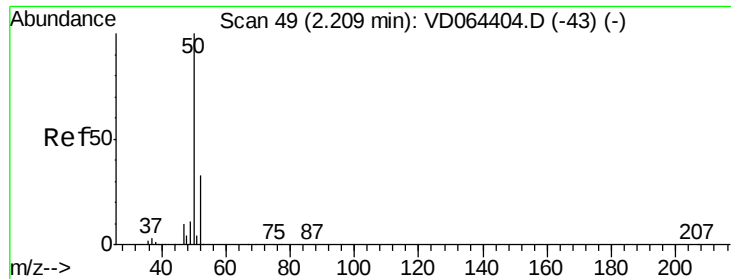
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 49.154 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 283682

Ion Ratio Lower Upper

50 100

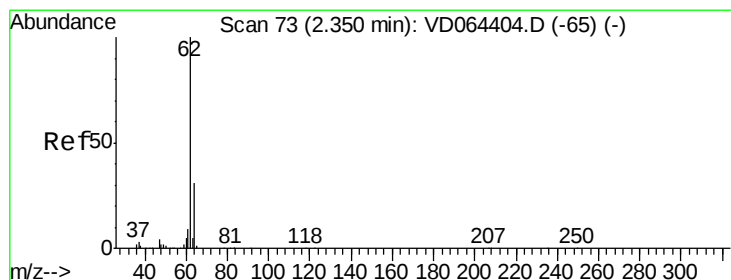
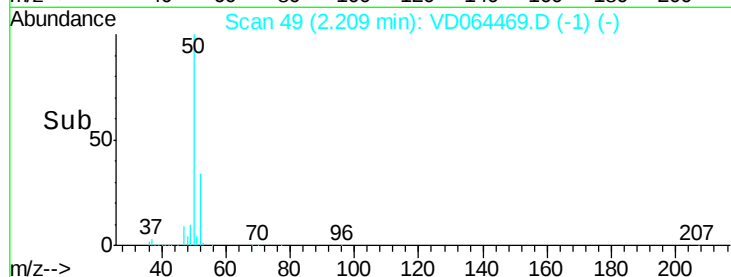
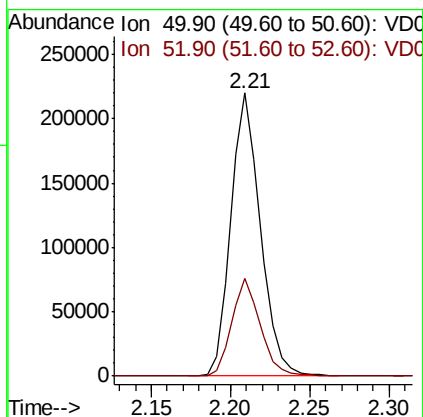
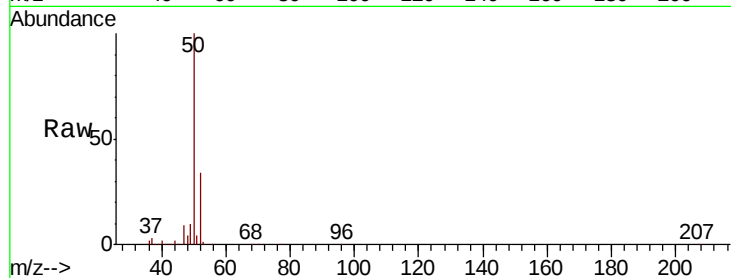
52 34.4 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.062 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064469.D

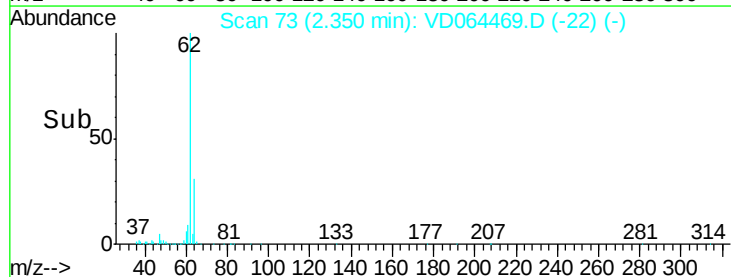
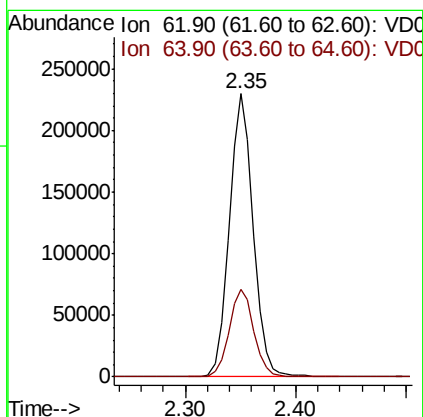
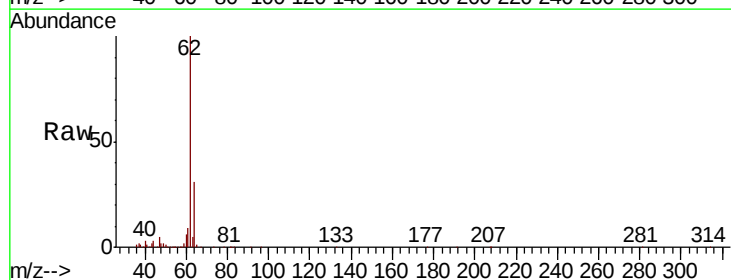
Acq: 09 Dec 2019 11:50

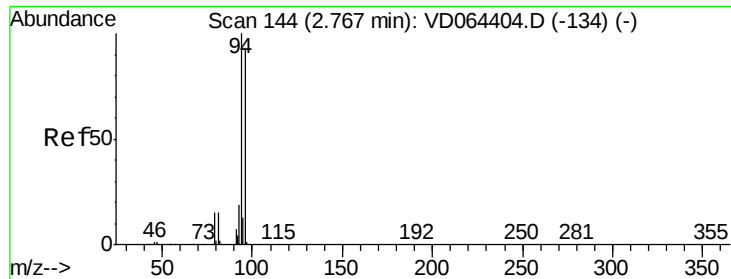
Tgt Ion: 62 Resp: 346918

Ion Ratio Lower Upper

62 100

64 30.7 25.0 37.4





#5

Bromomethane

Concen: 47.599 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 234555

Ion Ratio Lower Upper

94 100

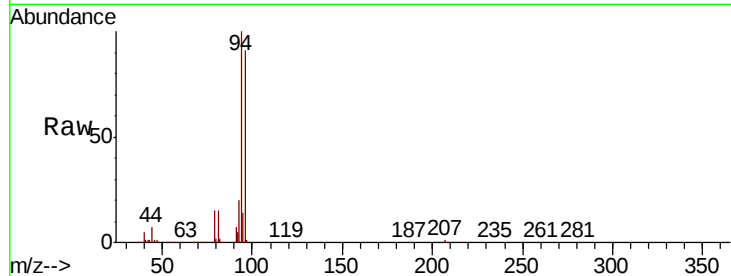
96 90.8 73.6 110.4

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

120000

100000

80000

60000

40000

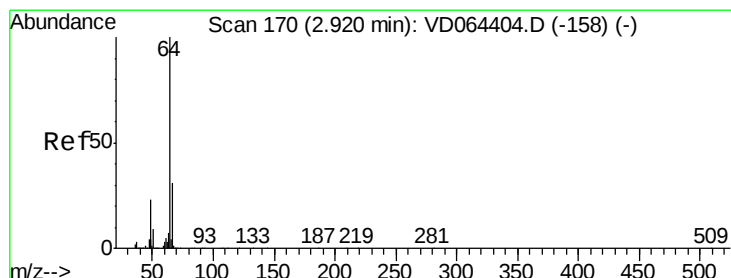
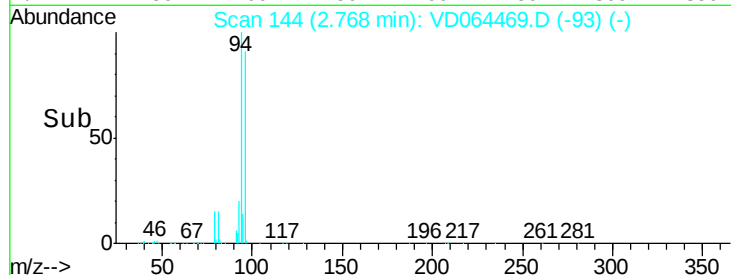
20000

0

2.70

2.80

Time-->



#6

Chloroethane

Concen: 49.730 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064469.D

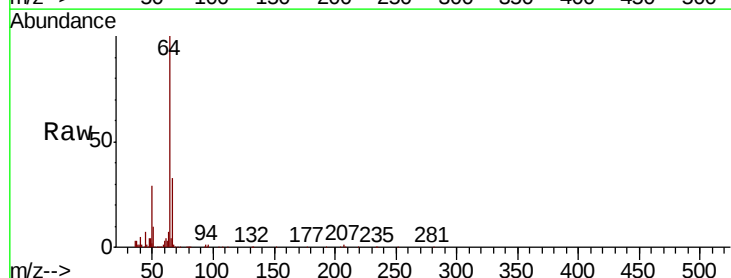
Acq: 09 Dec 2019 11:50

Tgt Ion: 64 Resp: 221494

Ion Ratio Lower Upper

64 100

66 33.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

120000

100000

80000

60000

40000

20000

0

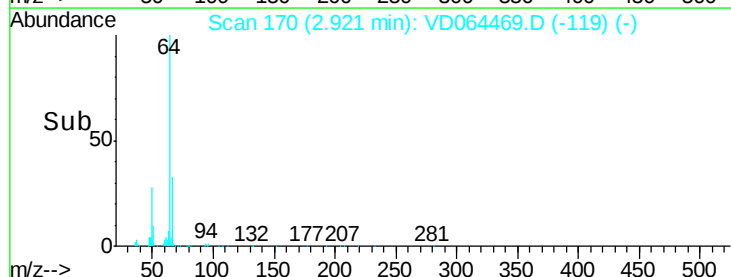
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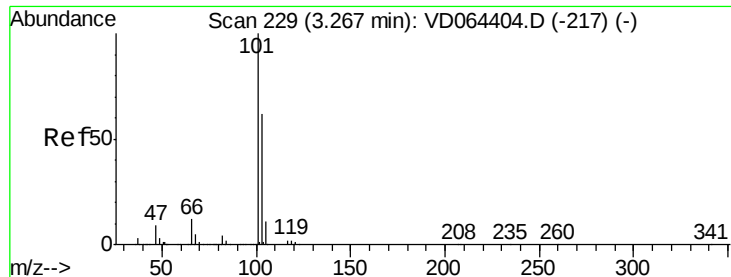
2.90

2.95

3.00

Time-->





#7

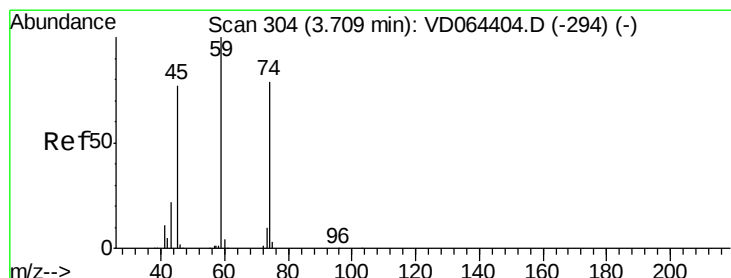
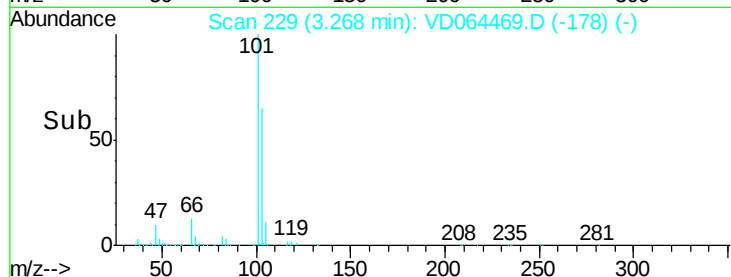
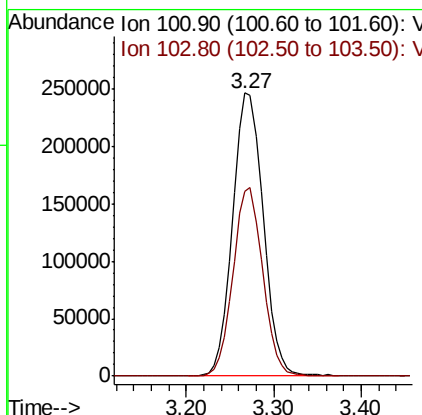
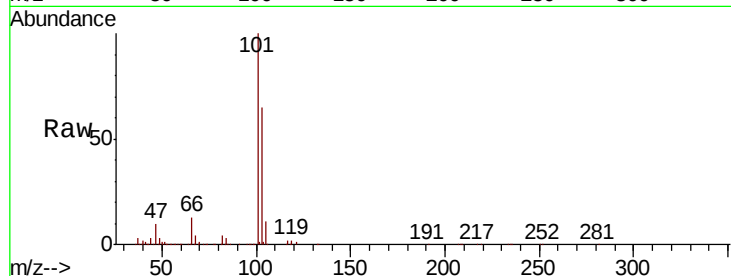
Trichlorofluoromethane
 Concen: 52.878 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064469.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	49.8	74.6

Manual Integrations
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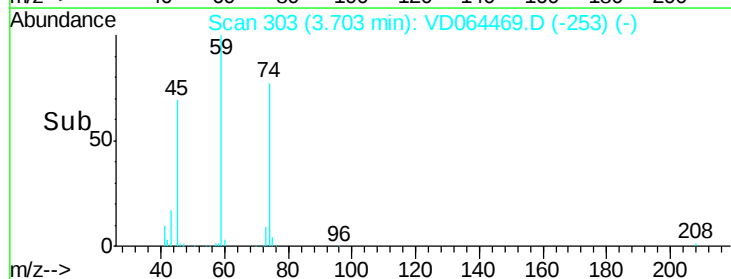
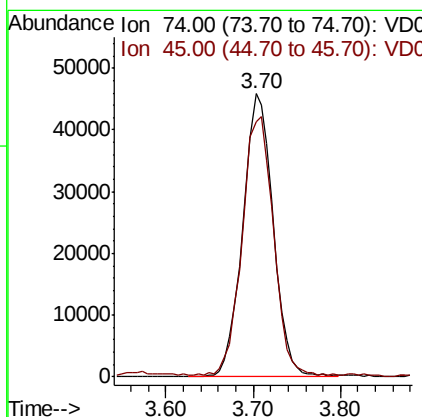
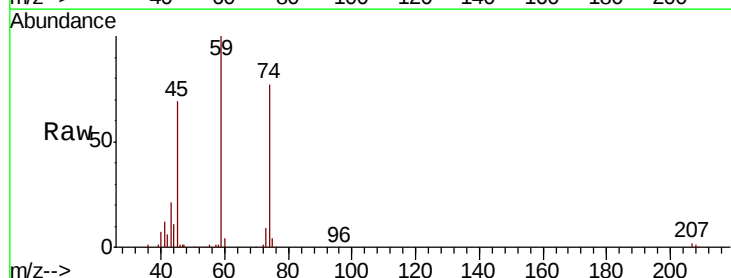
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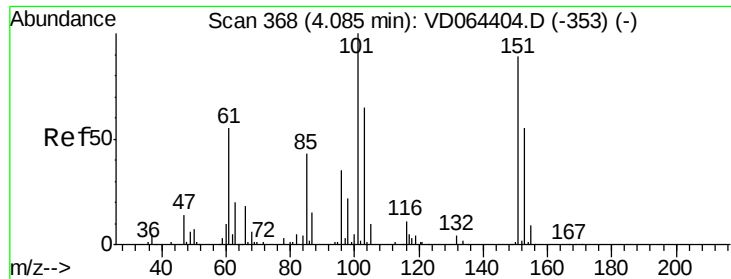


#8

Diethyl Ether
 Concen: 46.785 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.614 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064469.D

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Instrument :

MSVOA_D

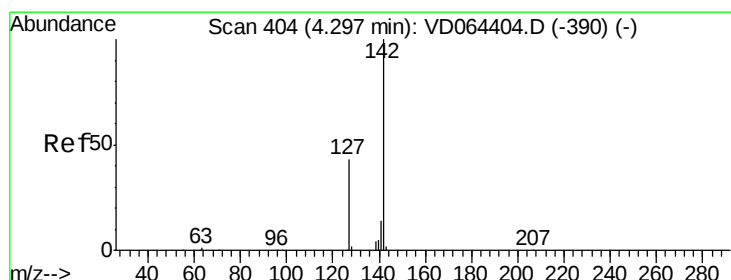
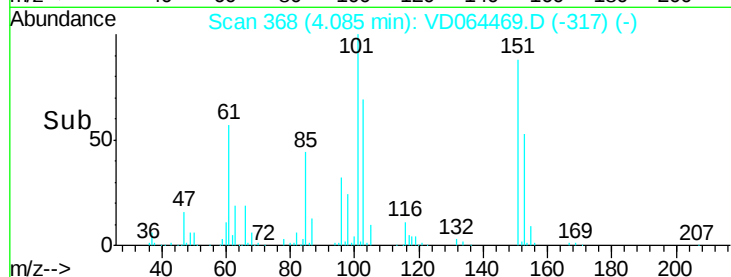
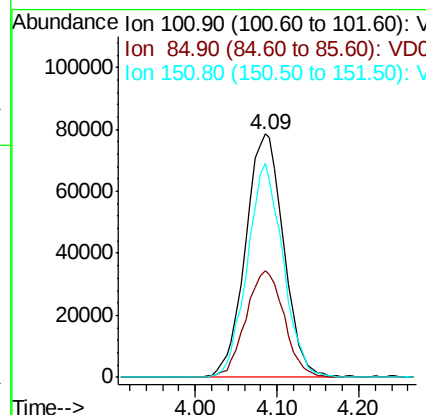
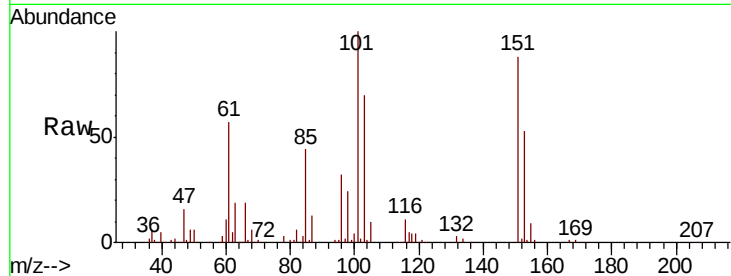
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	254650
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.8	52.2
151	82.4	68.8	103.2

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#10

Methyl Iodide

Concen: 56.701 ug/l

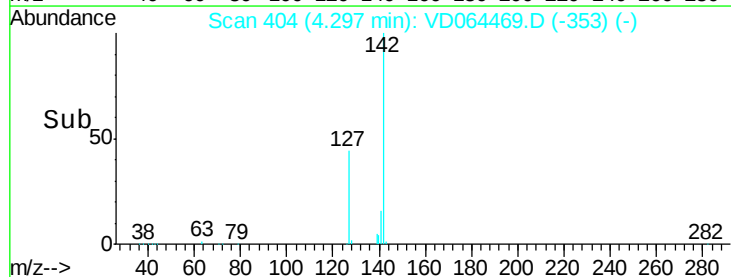
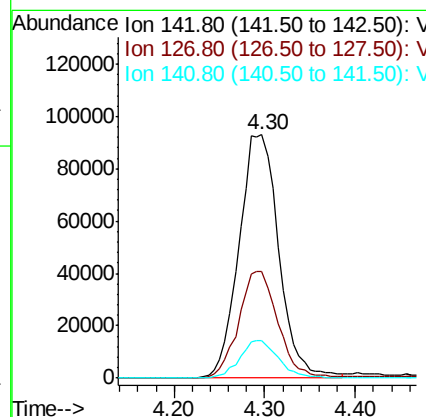
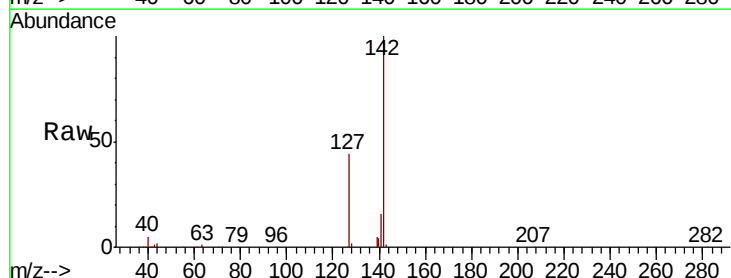
RT: 4.30 min Scan# 404

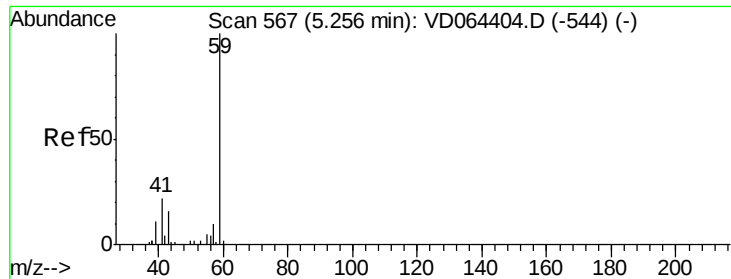
Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Tgt Ion:	142	Resp:	284403
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.3	52.9
141	14.8	11.6	17.4





#11

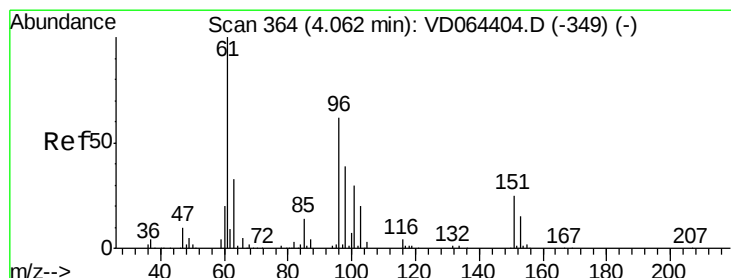
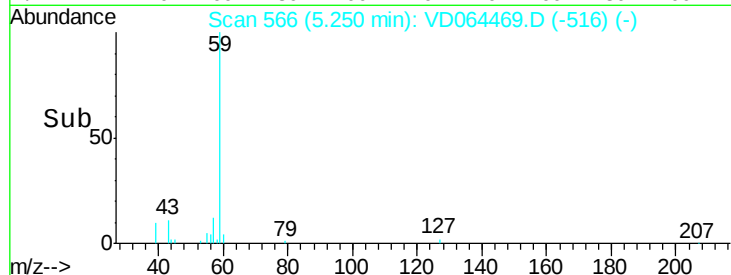
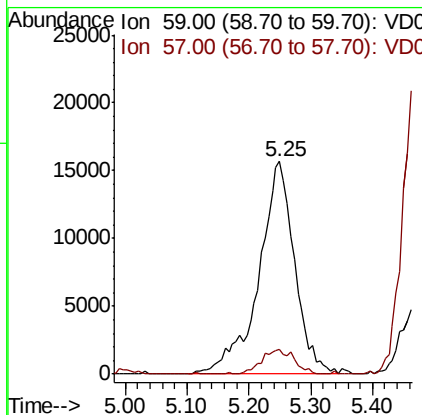
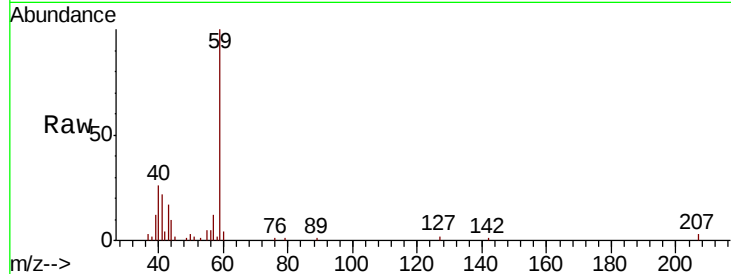
Tert butyl alcohol
Concen: 216.354 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 62951
Ion Ratio Lower Upper
59 100
57 10.4 0.0 0.0#

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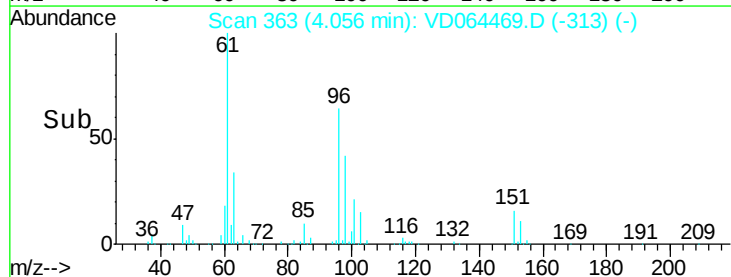
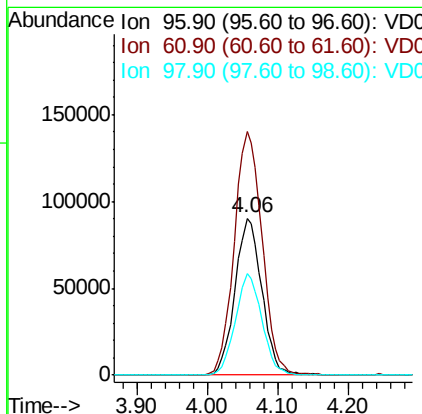
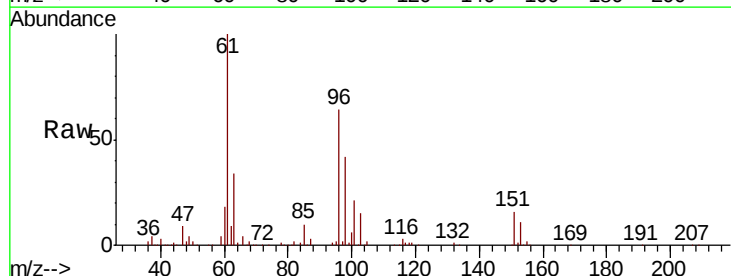
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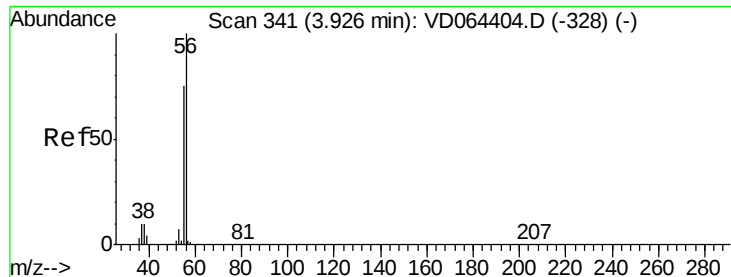


#12

1,1-Dichloroethene
Concen: 52.549 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion: 96 Resp: 239189
Ion Ratio Lower Upper
96 100
61 155.3 128.2 192.4
98 64.5 50.4 75.6





#13

Acrolein

Concen: 234.698 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 93144

Ion Ratio Lower Upper

56 100

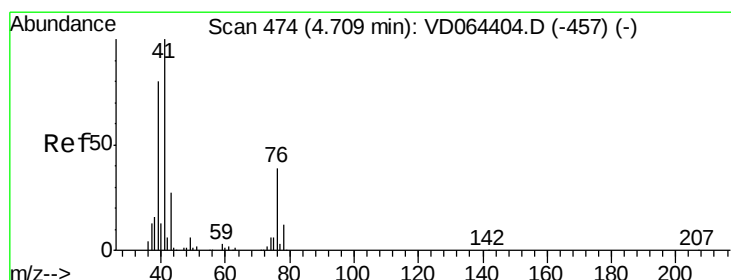
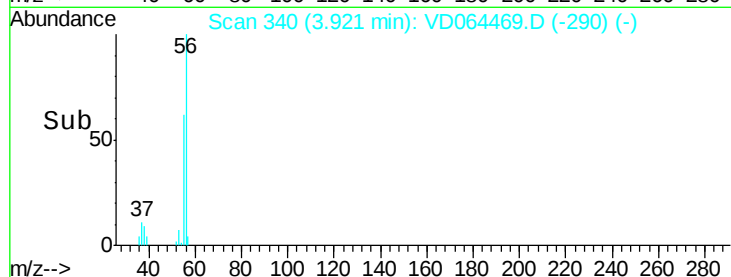
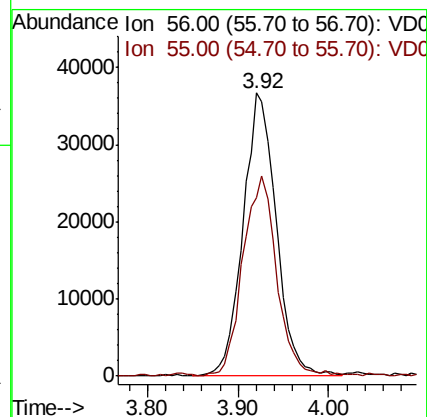
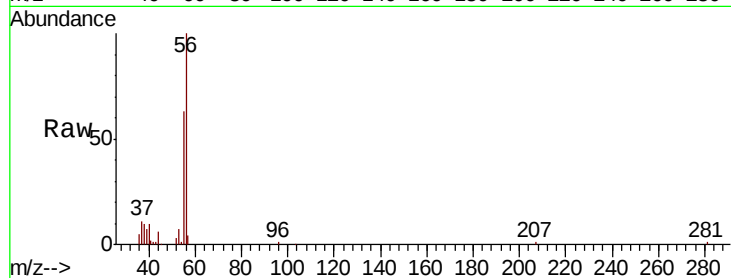
55 72.5 56.9 85.3

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#14

Allyl chloride

Concen: 53.197 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

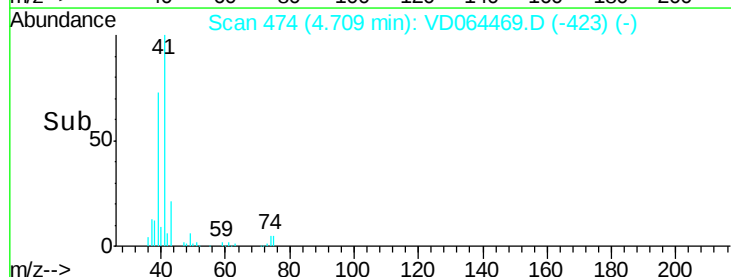
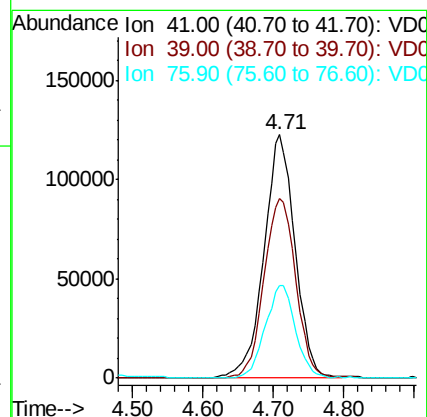
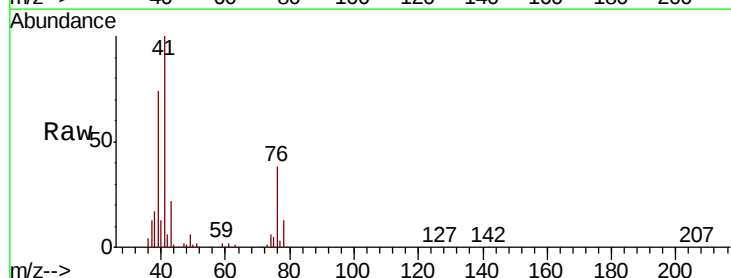
Tgt Ion: 41 Resp: 377887

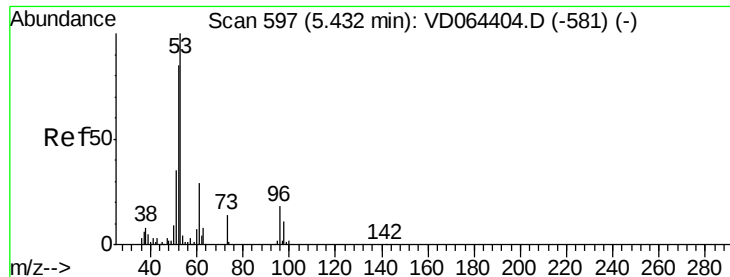
Ion Ratio Lower Upper

41 100

39 75.8 62.1 93.1

76 36.4 29.8 44.8





#15

Acrylonitrile

Concen: 215.956 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

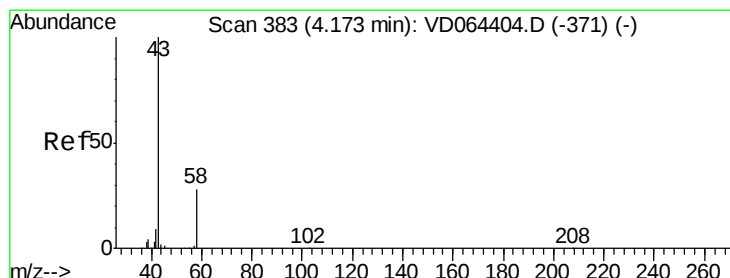
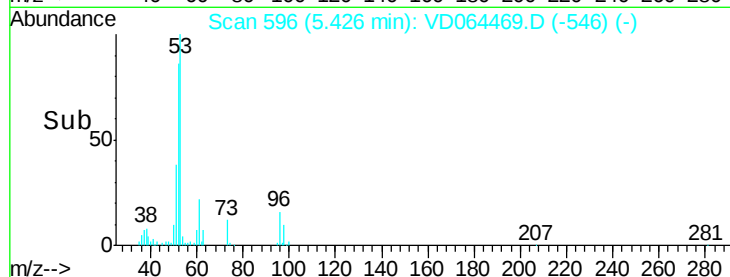
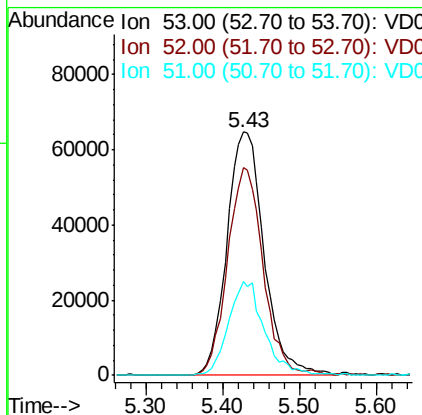
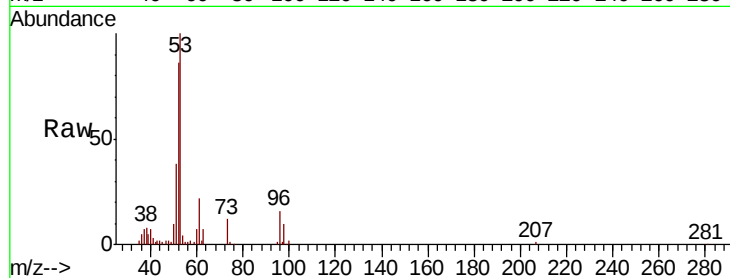
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	217384
Ion	Ratio	Lower	Upper
53	100		
52	81.5	67.9	101.9
51	37.2	30.6	45.8

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#16

Acetone

Concen: 274.004 ug/l

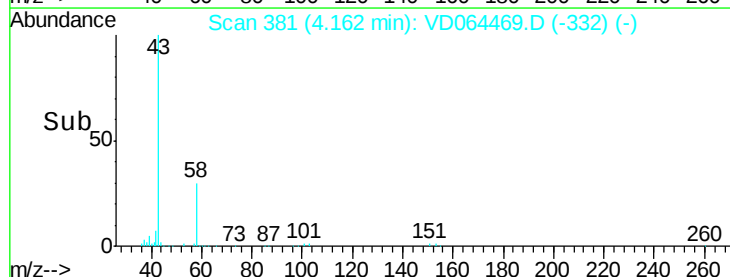
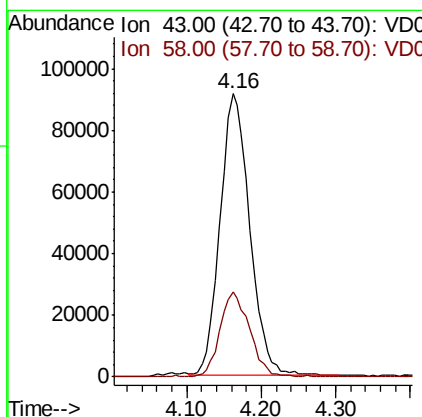
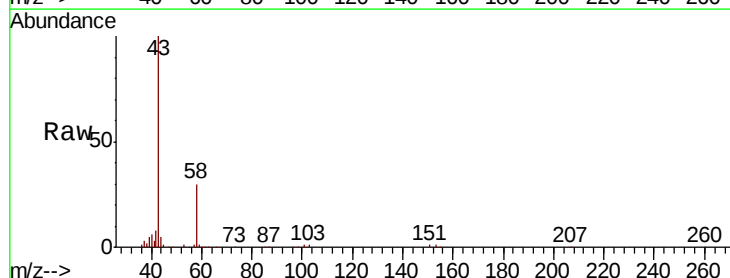
RT: 4.16 min Scan# 381

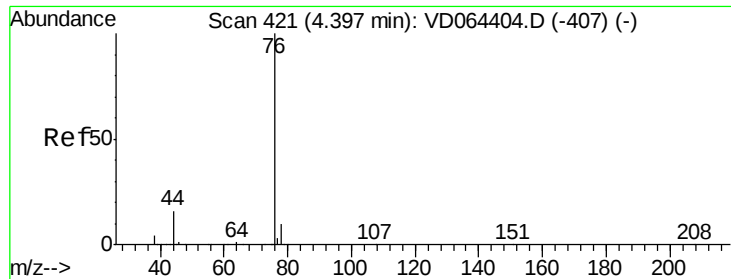
Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Tgt Ion:	43	Resp:	253095
Ion	Ratio	Lower	Upper
43	100		
58	30.2	22.6	33.8





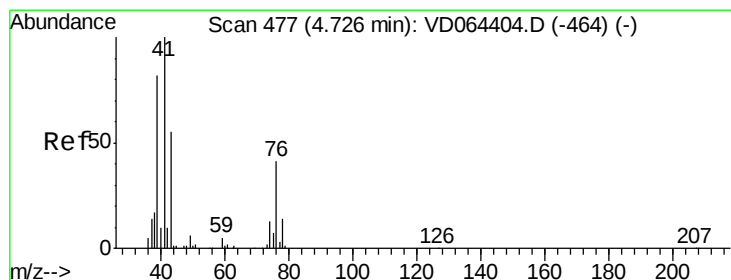
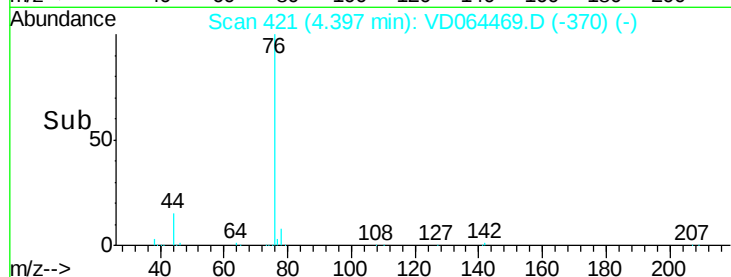
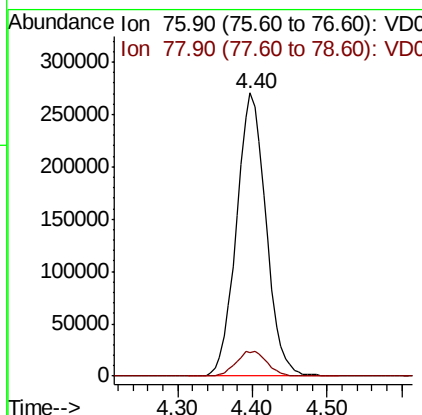
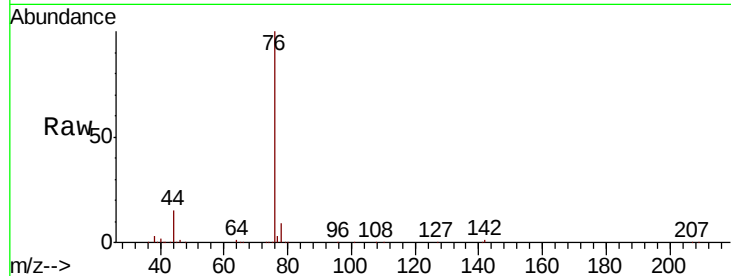
#17
Carbon Disulfide
Concen: 51.452 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.8	11.8

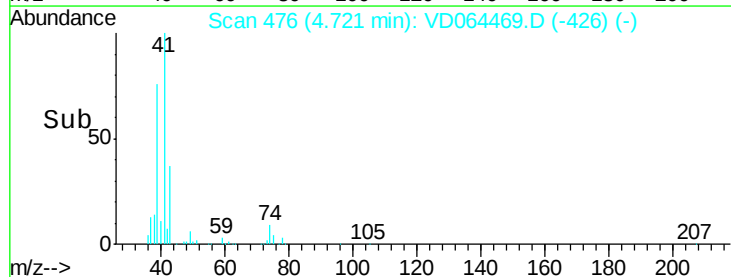
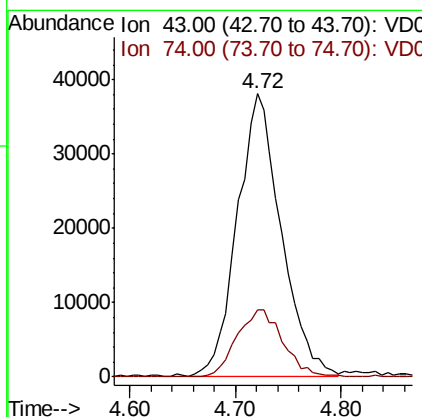
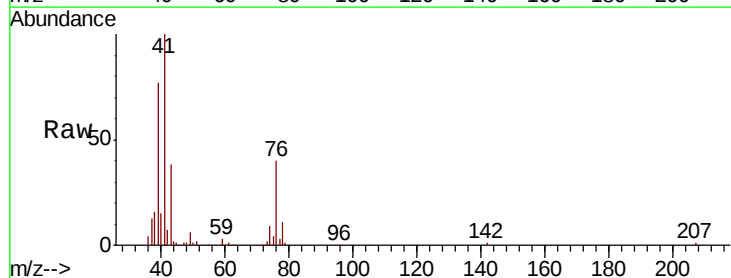
Manual Integrations
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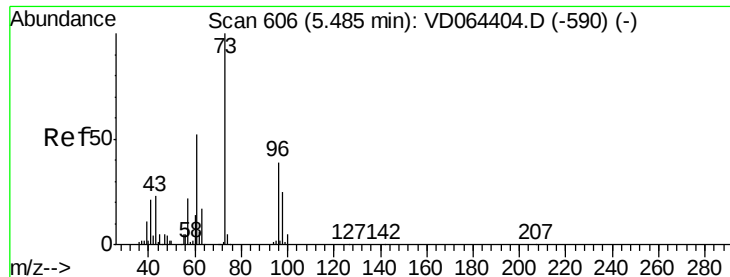
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#18
Methyl Acetate
Concen: 40.879 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.7	29.5





#19

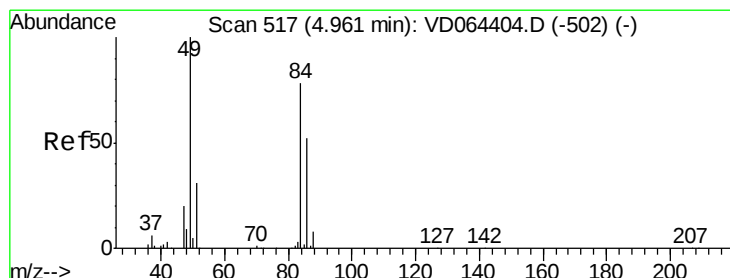
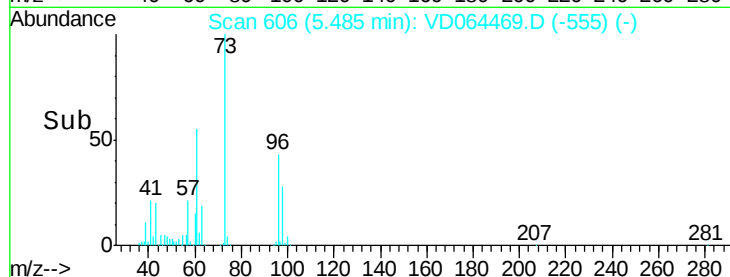
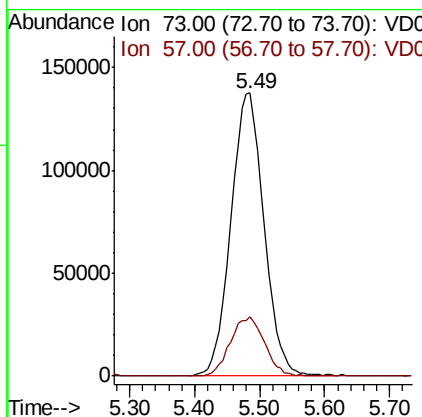
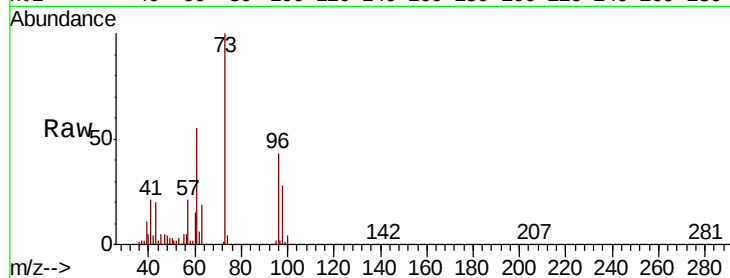
Methyl tert-butyl Ether
 Concen: 46.427 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.6	26.4

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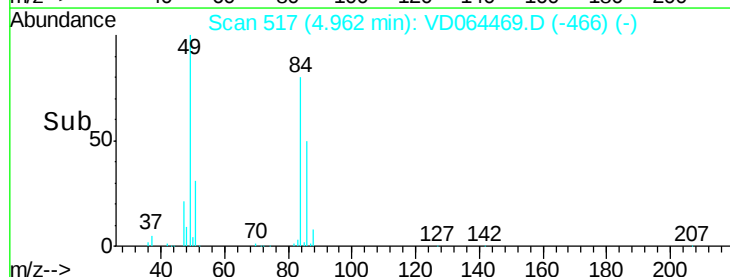
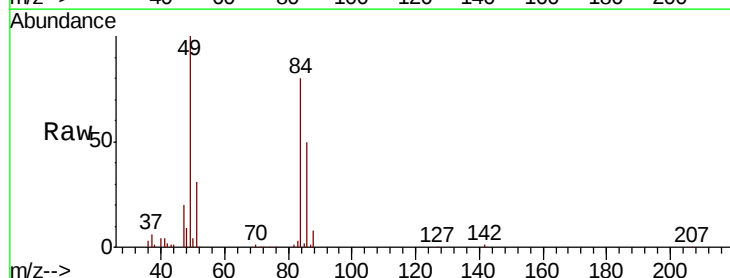
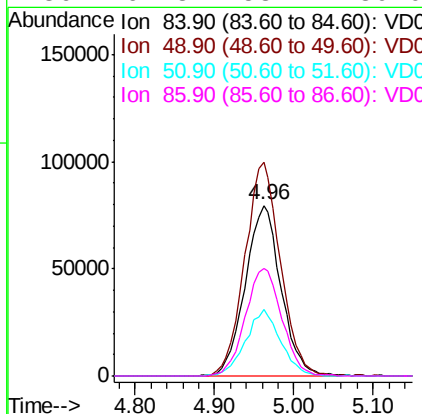
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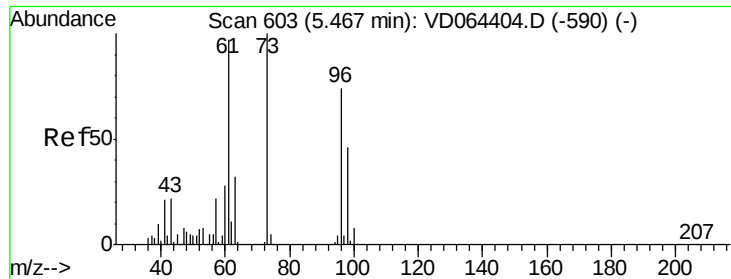


#20

Methylene Chloride
 Concen: 53.524 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.3	102.6	153.8
51	38.7	32.0	48.0
86	62.8	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 51.119 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

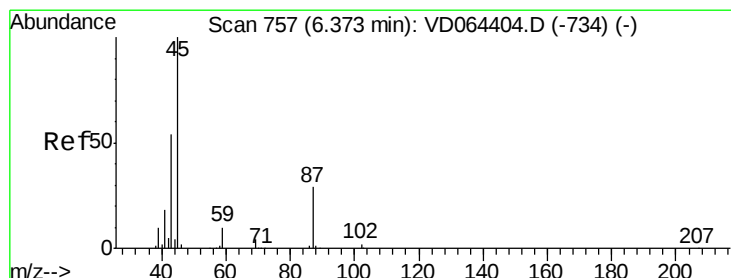
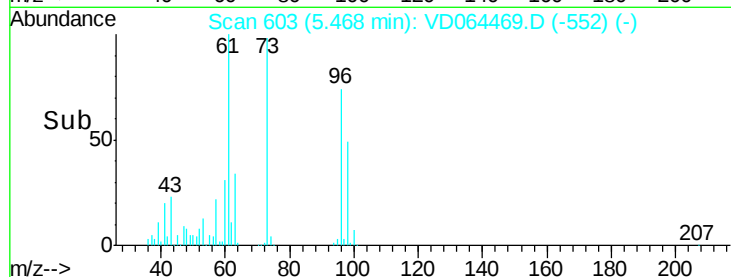
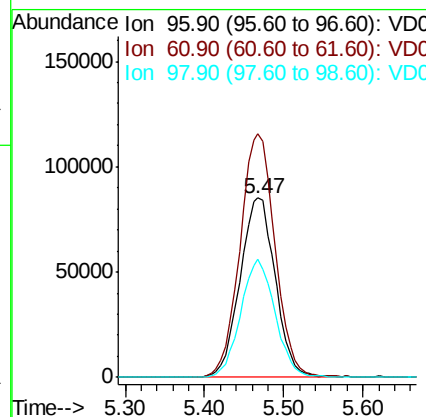
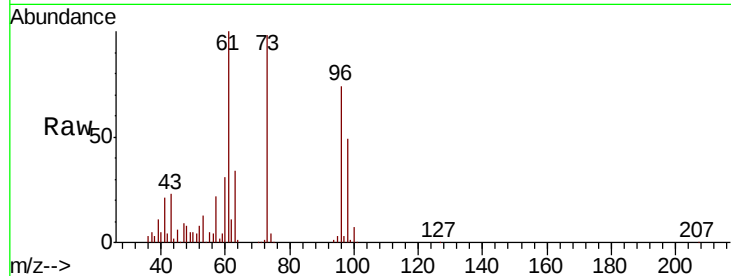
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	263198
Ion	Ratio	Lower	Upper
96	100		
61	135.6	105.8	158.6
98	66.1	50.1	75.1

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#22

Diisopropyl ether

Concen: 49.389 ug/l

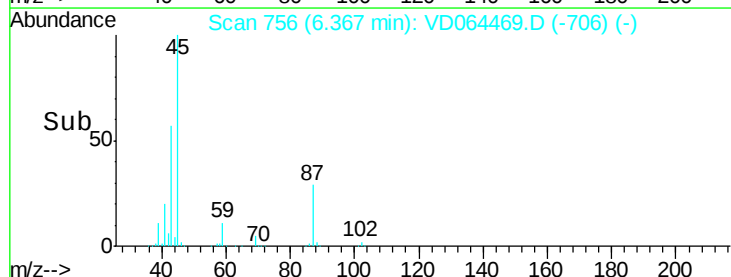
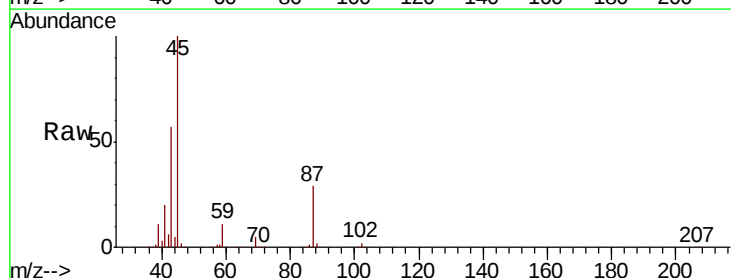
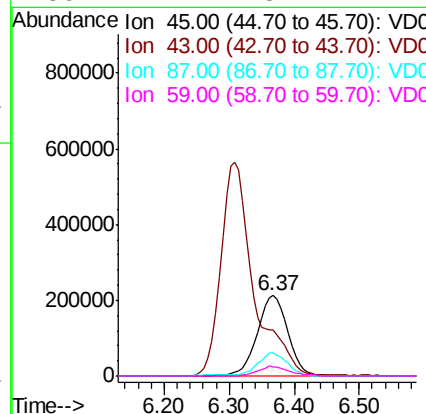
RT: 6.37 min Scan# 756

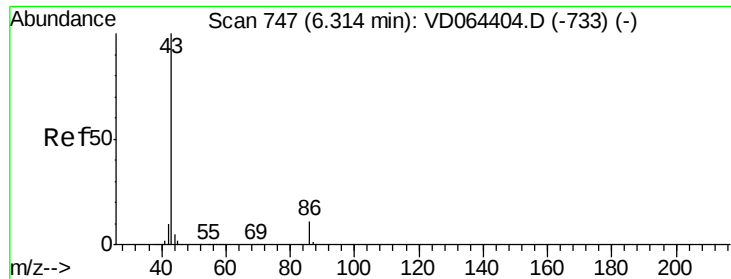
Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Tgt Ion:	45	Resp:	692598
Ion	Ratio	Lower	Upper
45	100		
43	56.7	43.1	64.7
87	28.5	23.5	35.3
59	11.2	8.2	12.2





#23

Vinyl Acetate

Concen: 237.678 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Tot Ion: 43 Resp: 1964951

Ion Ratio Lower Upper

43 100

86 11.3 8.9 13.3

Instrument :

MSVOA_D

ClientSampleId :

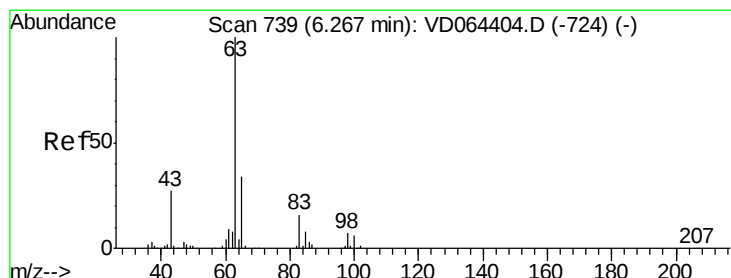
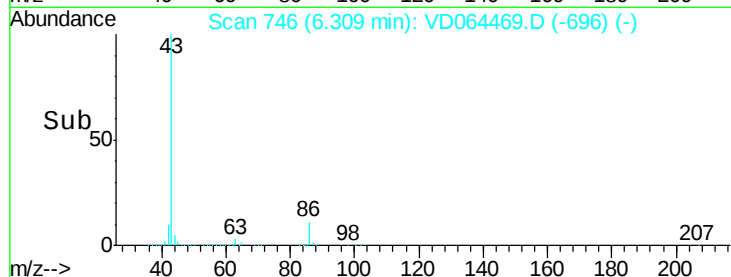
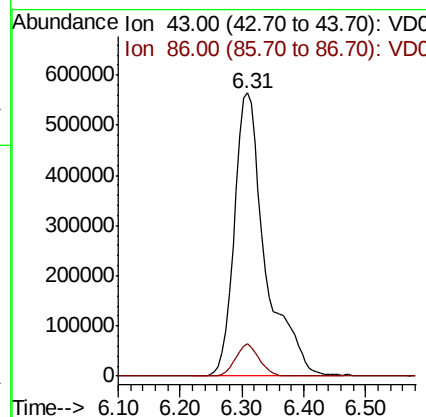
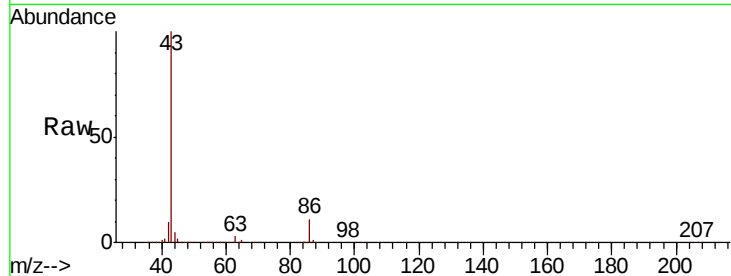
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 51.260 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

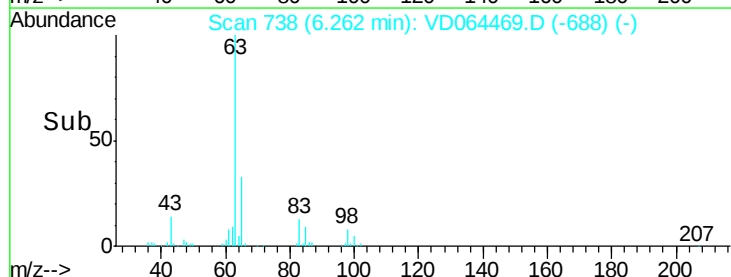
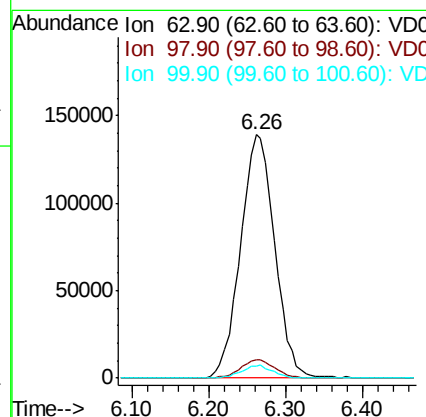
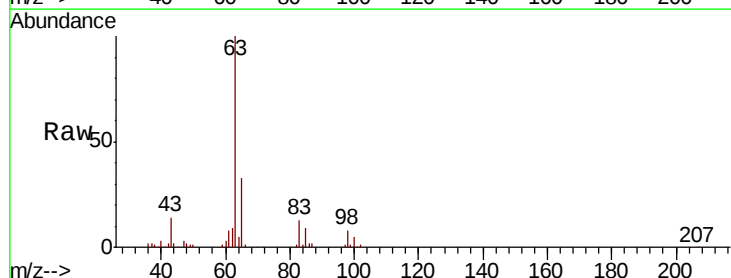
Tgt Ion: 63 Resp: 432301

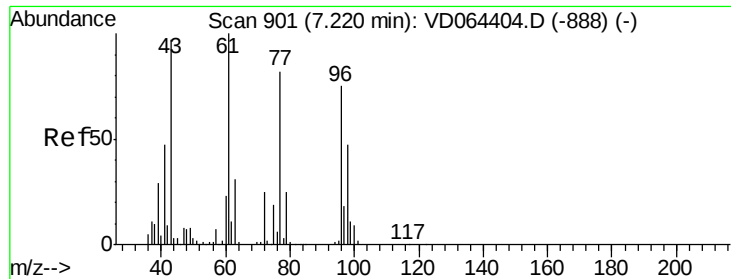
Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.9

100 4.7 2.9 8.6





#25

2-Butanone

Concen: 220.014 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 287403

Ion Ratio Lower Upper

43 100

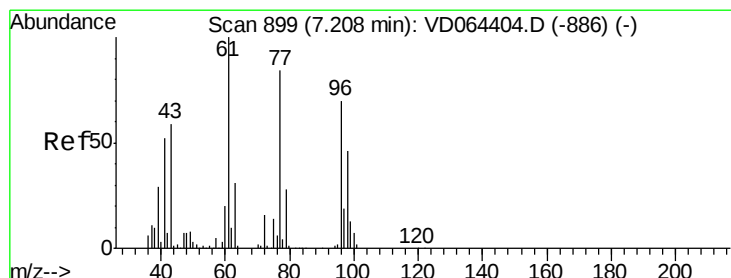
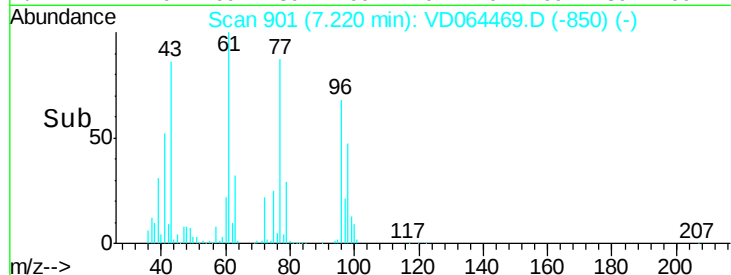
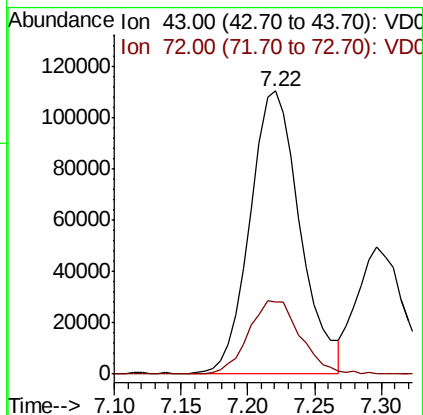
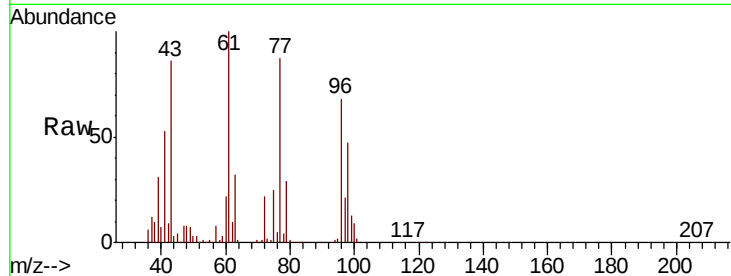
72 25.7 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 56.236 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064469.D

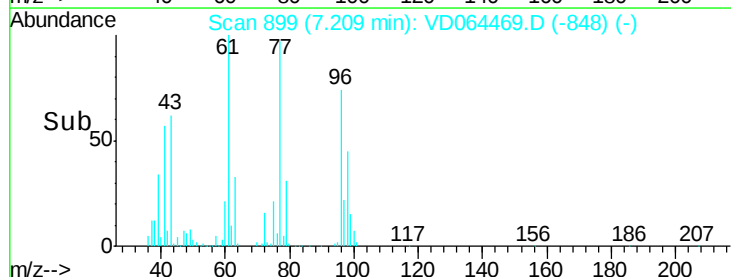
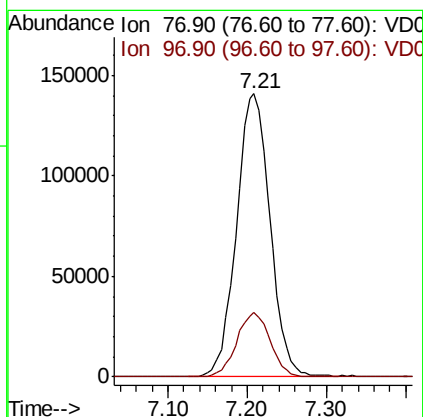
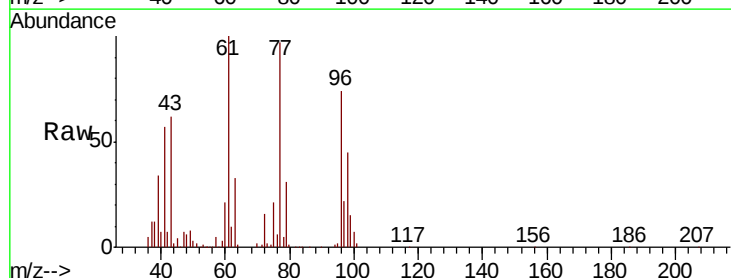
Acq: 09 Dec 2019 11:50

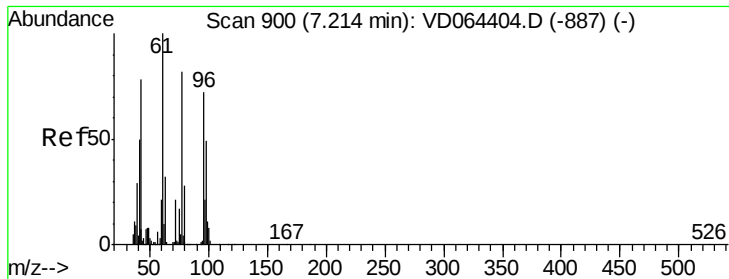
Tgt Ion: 77 Resp: 412444

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.7





#27

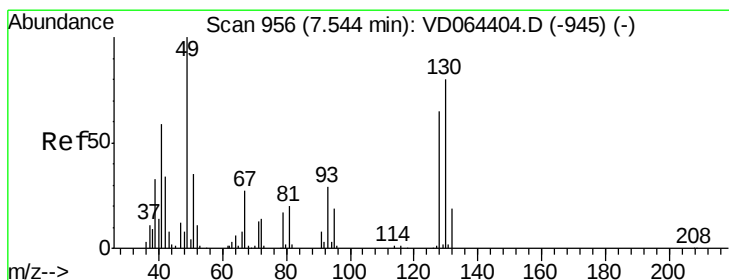
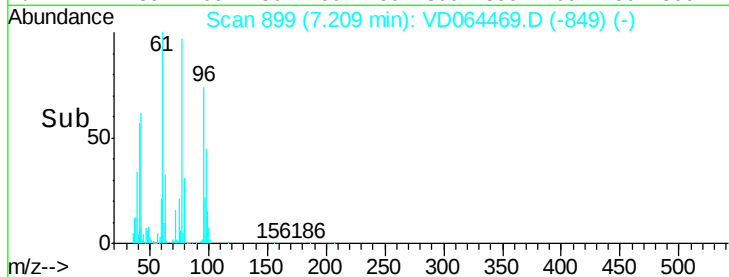
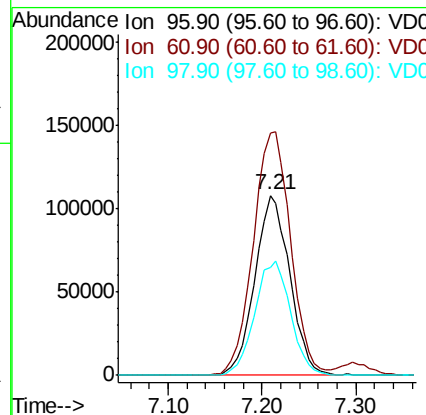
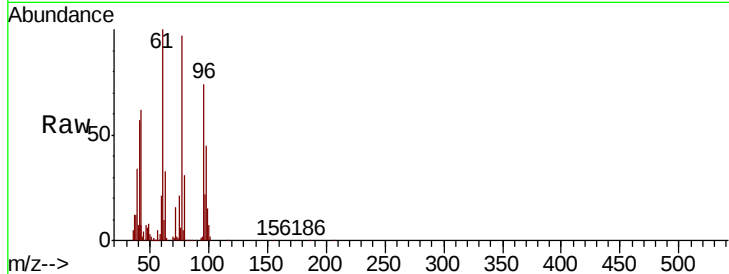
cis-1,2-Dichloroethene
Concen: 49.568 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	279.6
98	65.2	0.0	129.2

Manual Integrations
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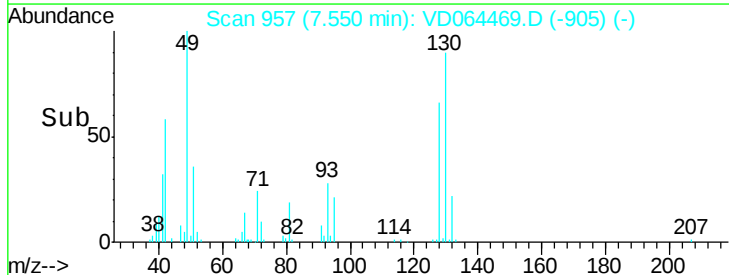
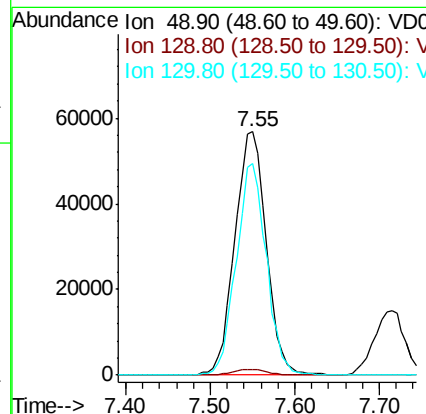
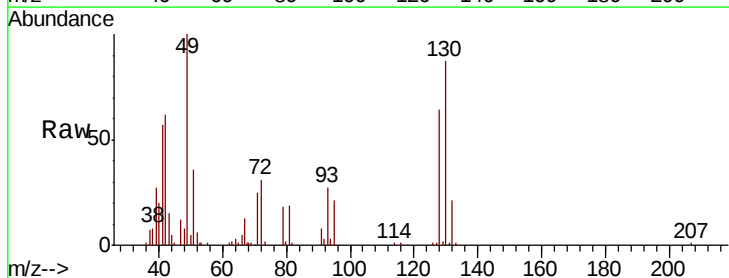
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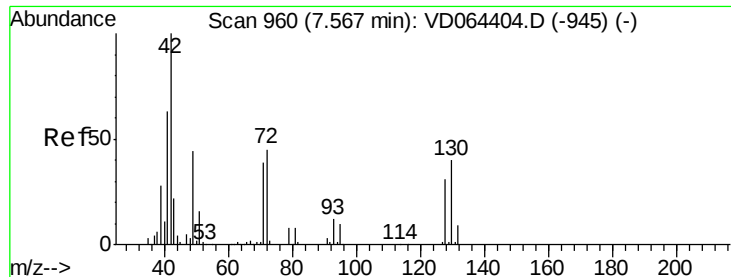


#28

Bromochloromethane
Concen: 50.546 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.4
130	83.3	67.4	101.0





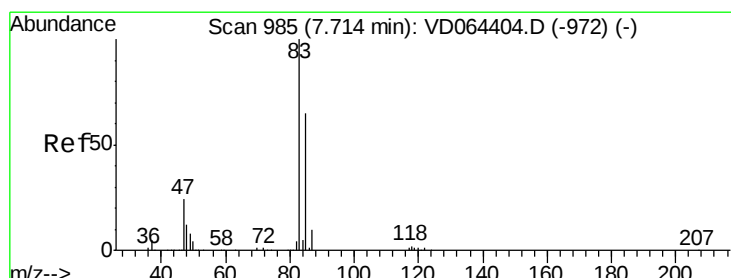
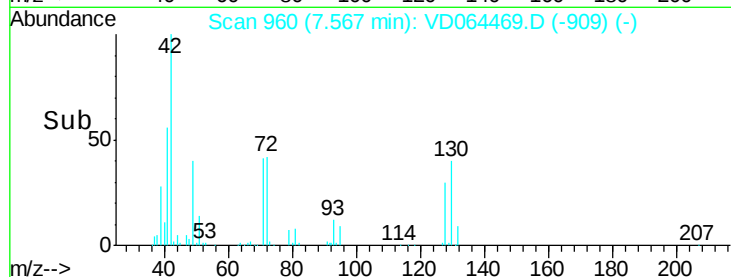
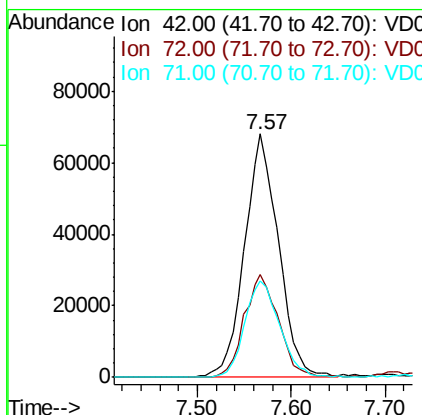
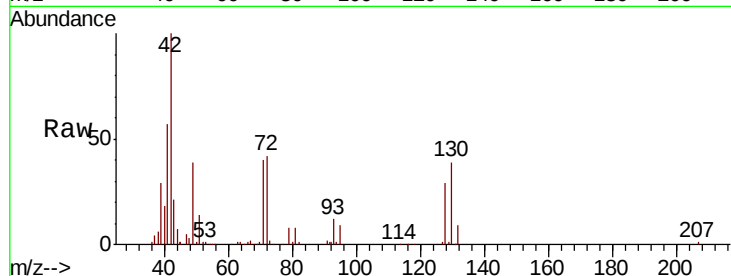
#29
Tetrahydrofuran
Concen: 205.006 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	35.8	53.8
71	40.7	32.7	49.1

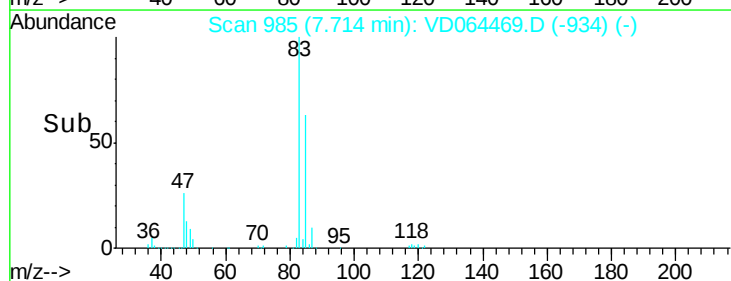
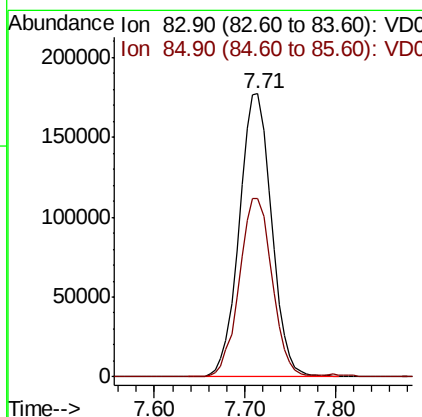
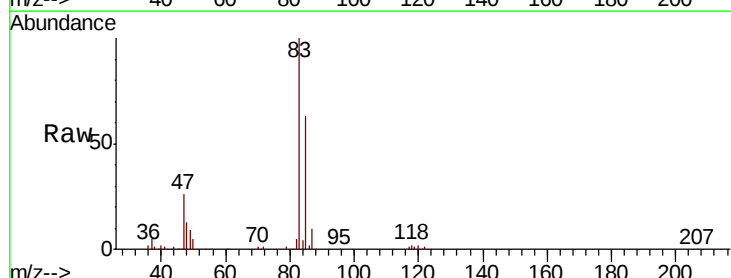
Manual Integrations
APPROVED

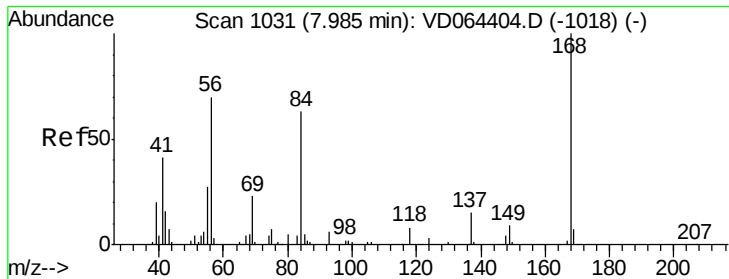
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#30
Chloroform
Concen: 50.359 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.6





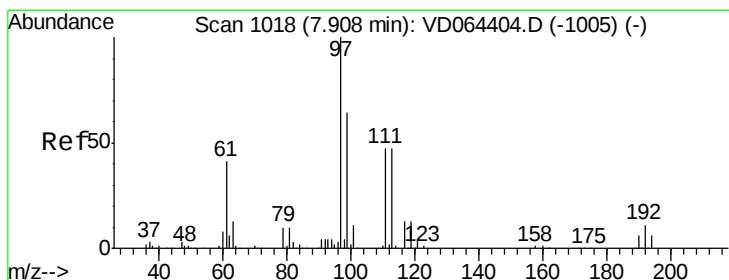
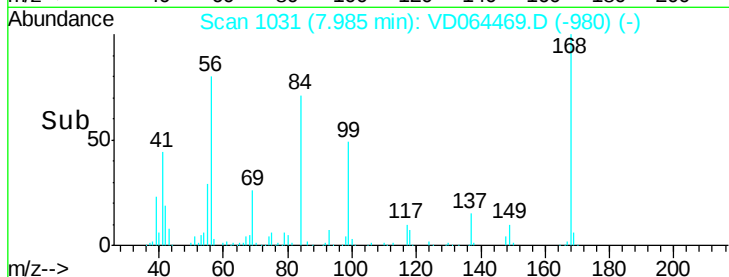
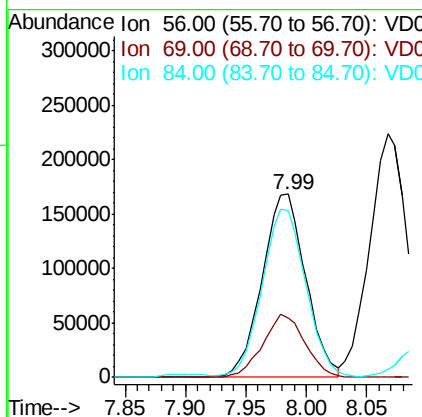
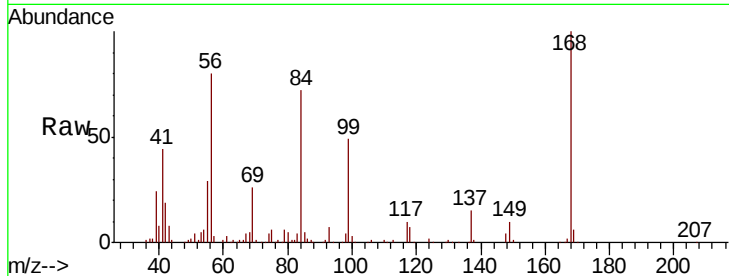
#31
Cyclohexane
Concen: 58.120 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	26.2	39.4
84	89.0	70.3	105.5

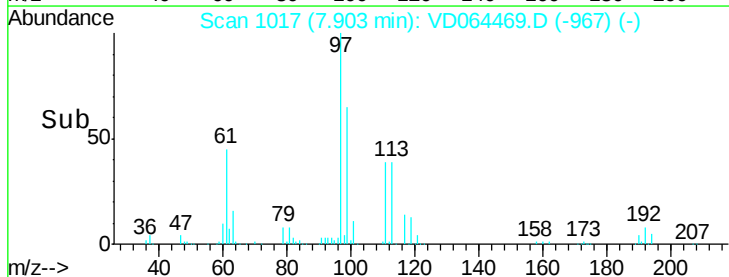
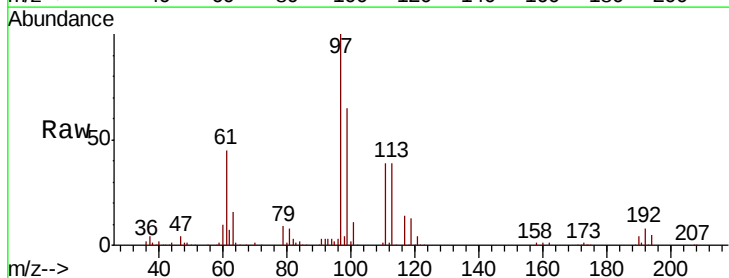
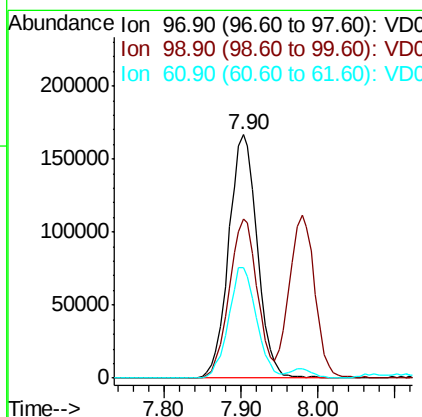
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 53.310 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	44.3	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 47.559 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 217390

Ion Ratio Lower Upper

65 100

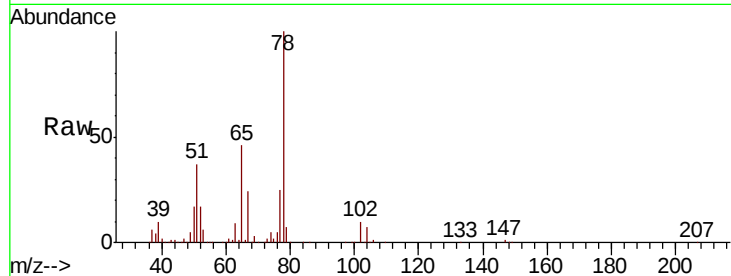
67 51.6 0.0 102.0

Manual Integrations

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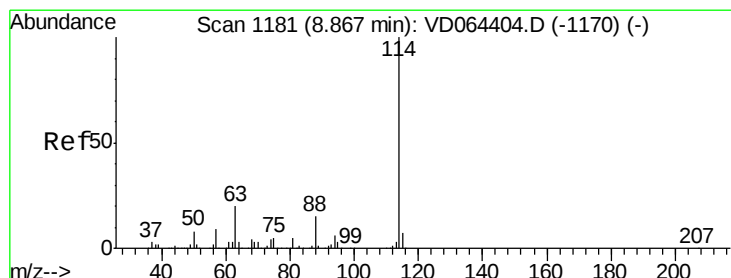
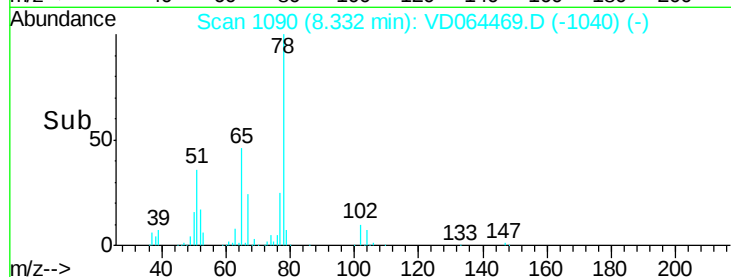
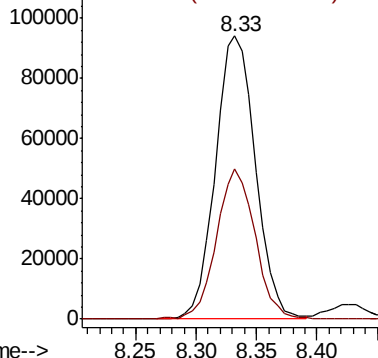
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Abundance Ion 64.90 (64.60 to 65.60): VDC

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: VD064469.D

Acq: 09 Dec 2019 11:50

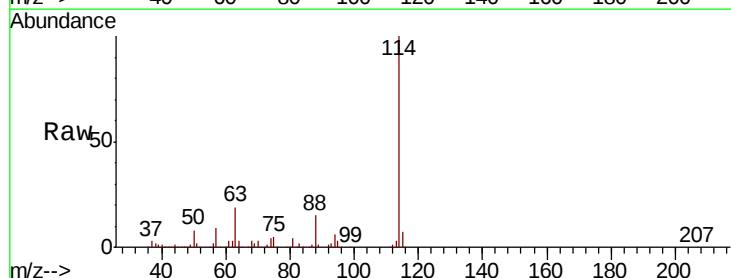
Tgt Ion: 114 Resp: 720723

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

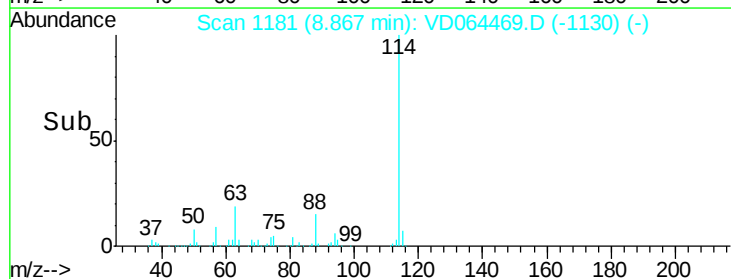
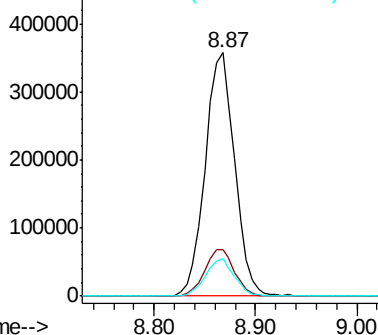
88 15.3 0.0 29.2

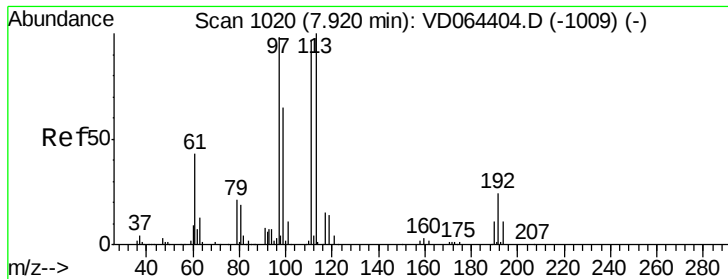


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





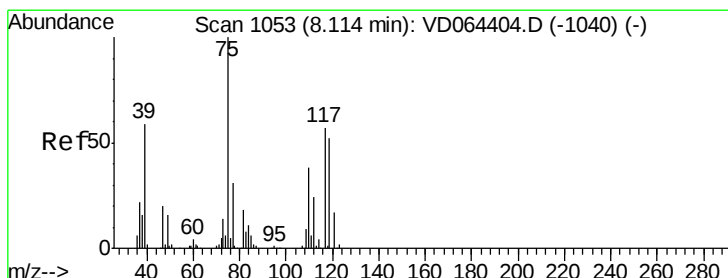
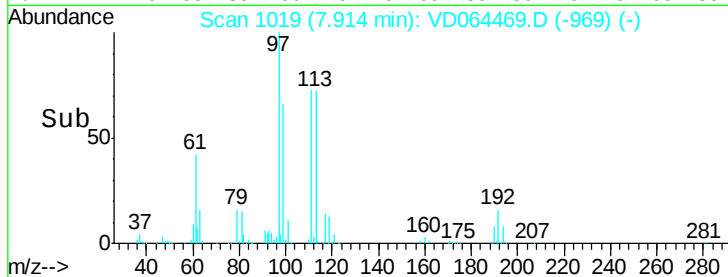
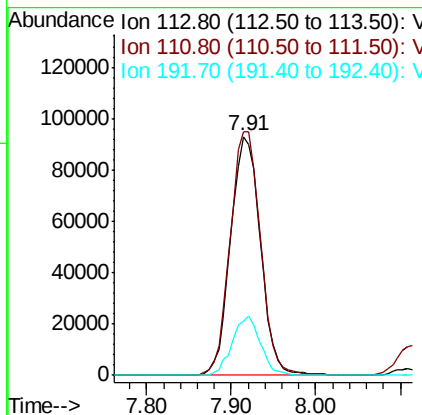
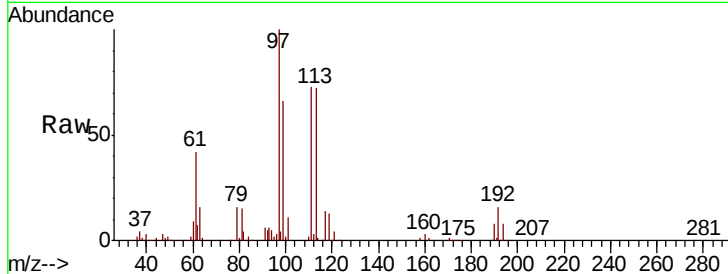
#35
 Dibromofluoromethane
 Concen: 49.803 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	79.4	119.2
192	23.4	18.6	28.0

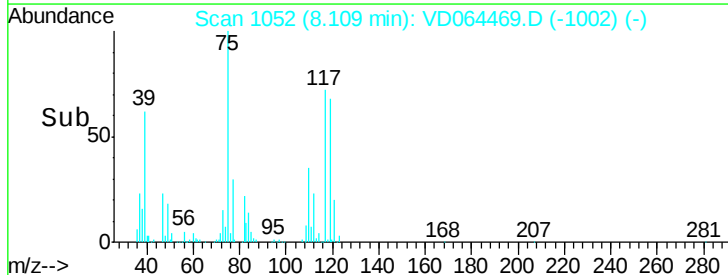
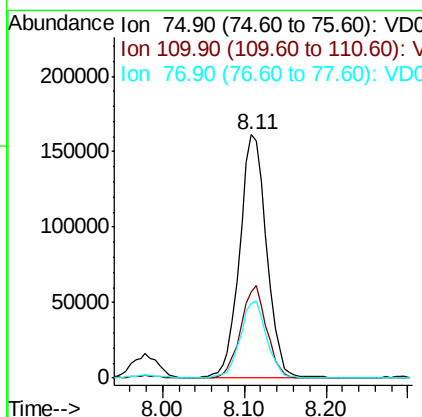
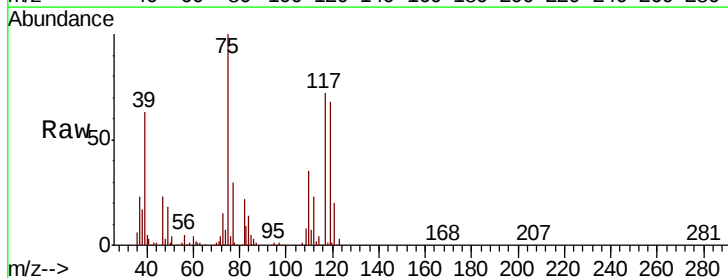
Manual Integrations
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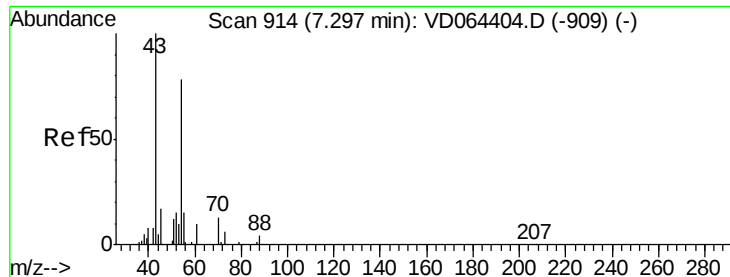
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#36
 1,1-Dichloropropene
 Concen: 54.149 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.6	55.8
77	31.1	25.0	37.4





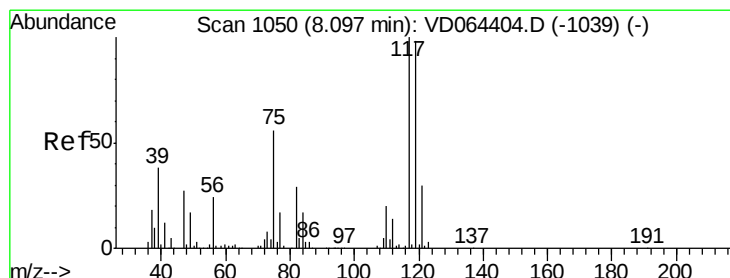
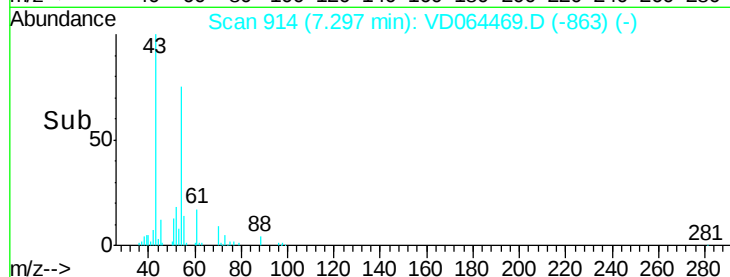
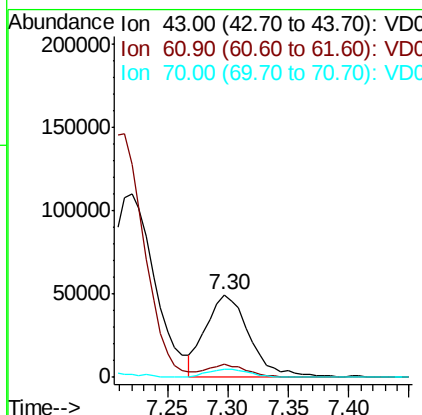
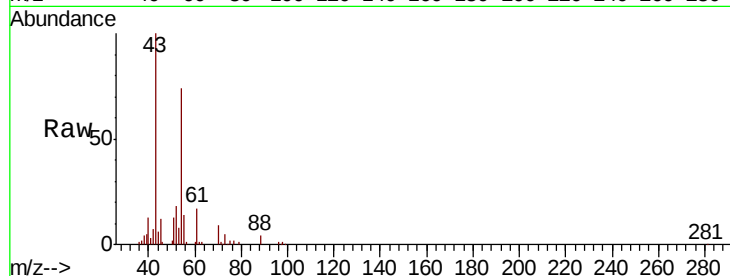
#37
Ethyl Acetate
Concen: 42.192 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	10.3	8.3	12.5

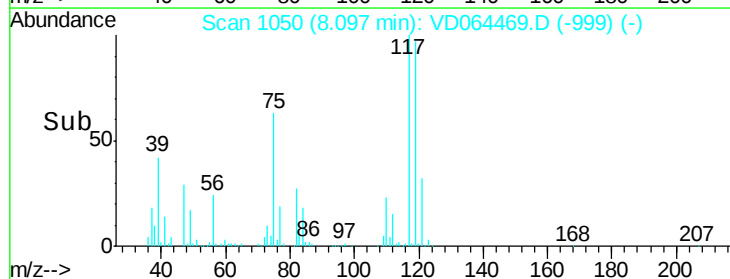
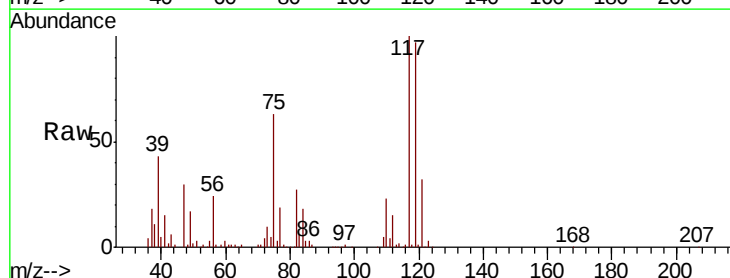
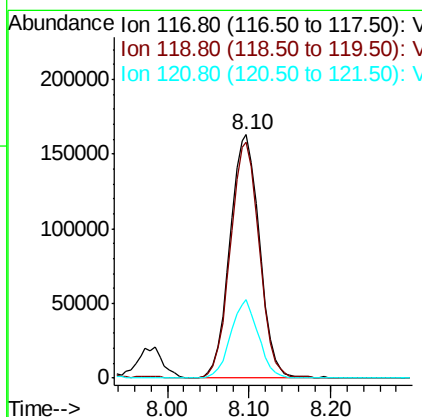
Manual Integrations
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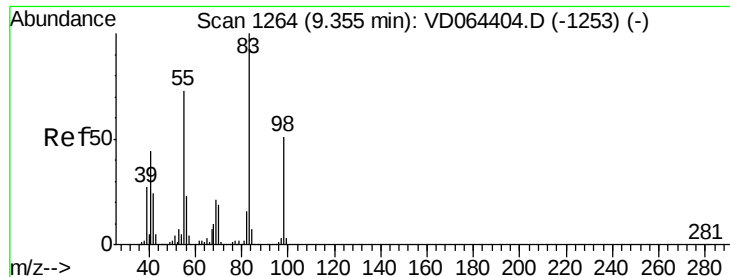
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#38
Carbon Tetrachloride
Concen: 56.620 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	78.8	118.2
121	32.1	24.2	36.2





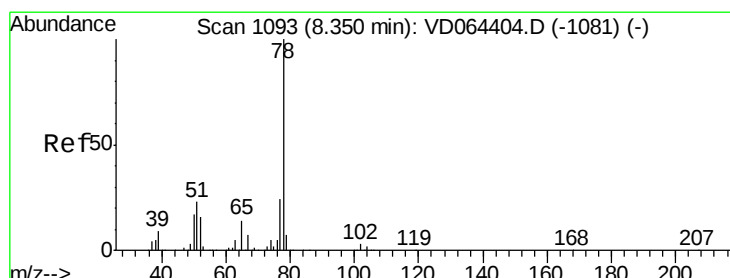
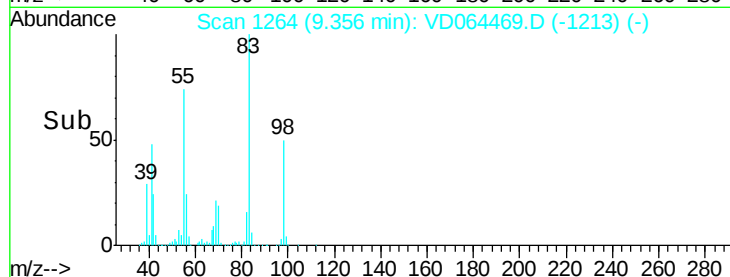
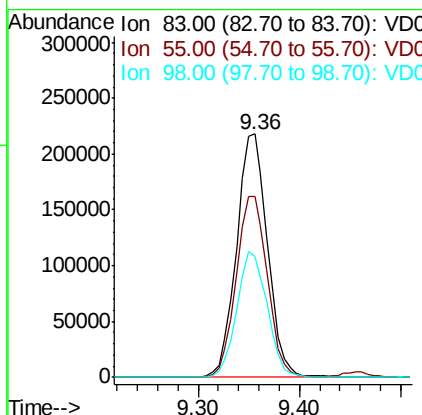
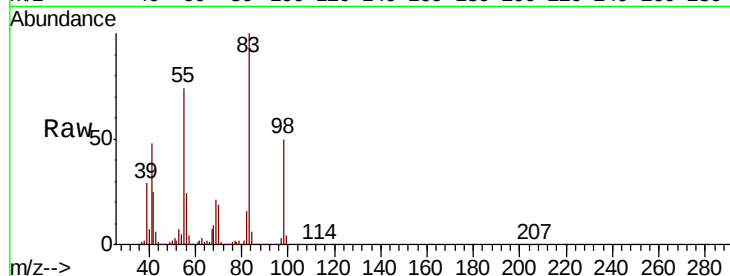
#39
Methvlcvclohexane
Concen: 54.522 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	58.6	87.8
98	49.7	40.9	61.3

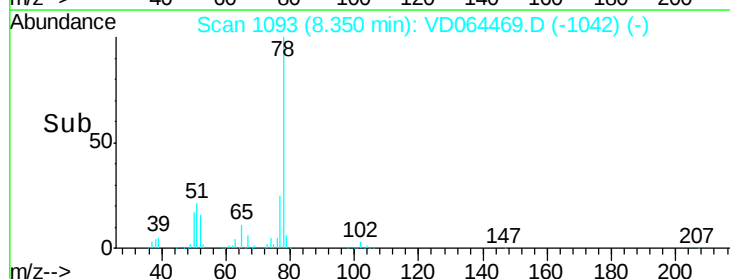
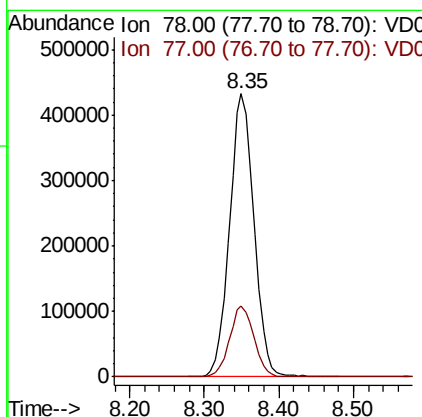
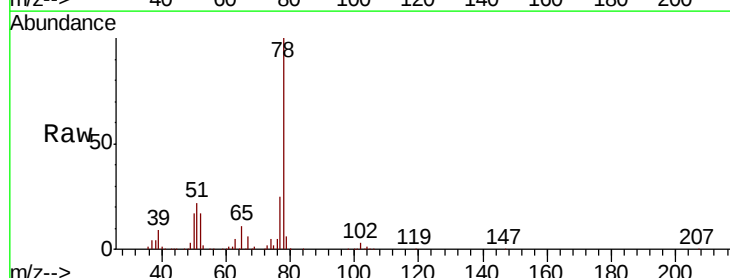
Manual Integrations
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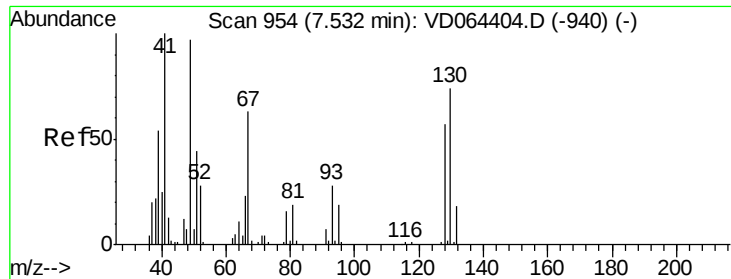
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#40
Benzene
Concen: 51.969 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.6	29.4





#41

Methacrylonitrile

Concen: 47.750 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

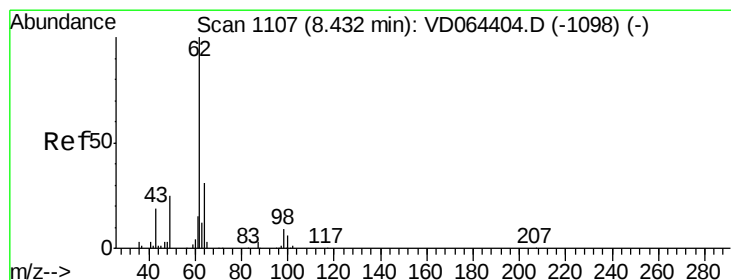
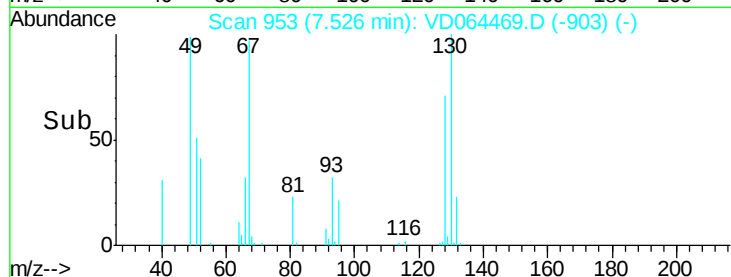
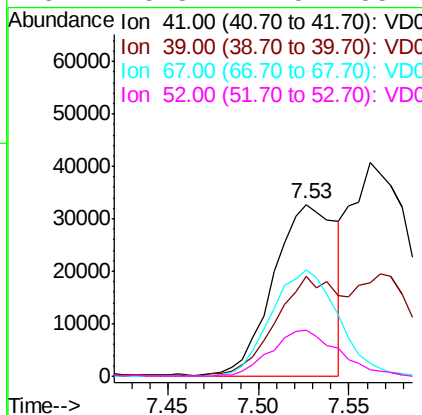
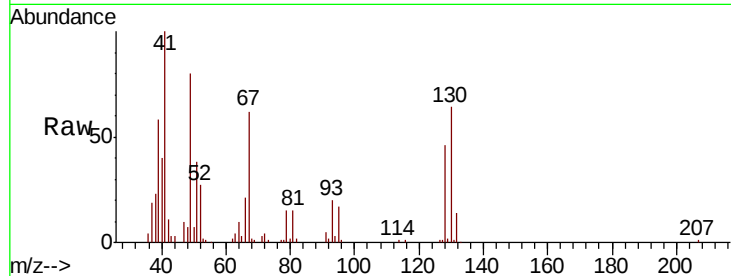
ClientSampleId :

VSTDCCC050

Tot Ion	41	Resp	79211
Ion	Ratio	Lower	Upper
41	100		
39	61.8	44.6	67.0
67	67.0	50.9	76.3
52	28.8	22.5	33.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 47.851 ug/l

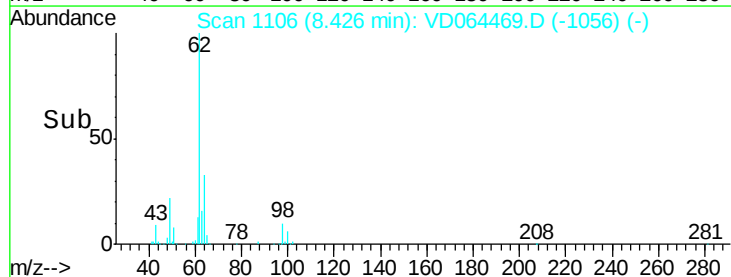
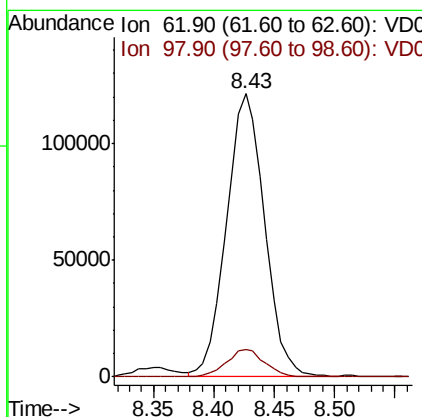
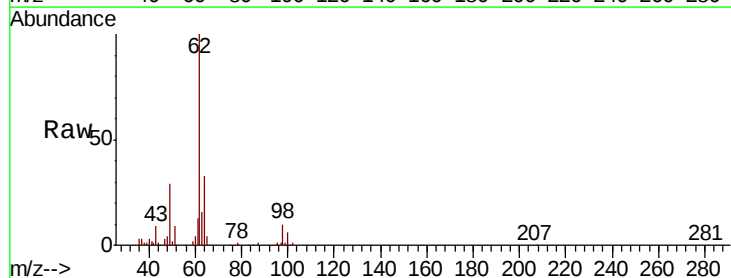
RT: 8.43 min Scan# 1106

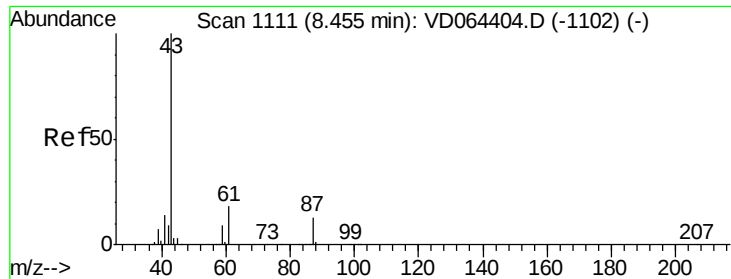
Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Tgt Ion	62	Resp	264213
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6





#43

Isopropyl Acetate

Concen: 44.057 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

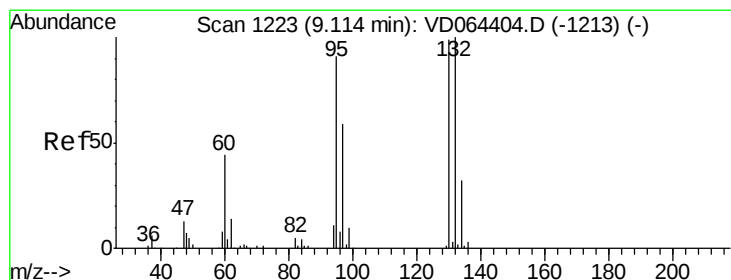
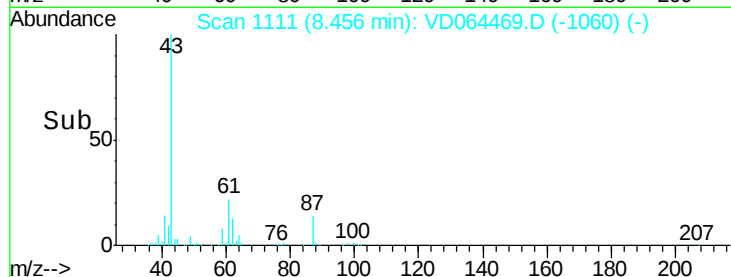
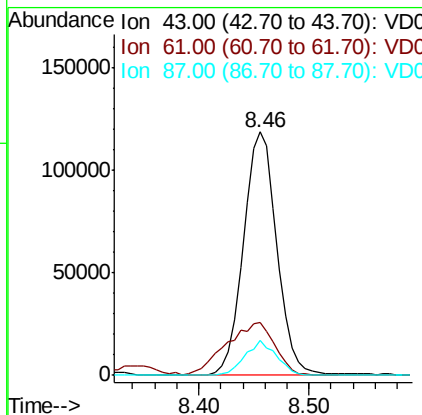
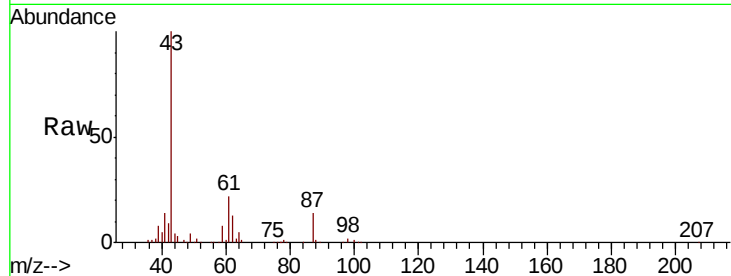
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	250573
Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.0	36.0
87	13.7	10.6	15.8

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#44

Trichloroethene

Concen: 52.192 ug/l

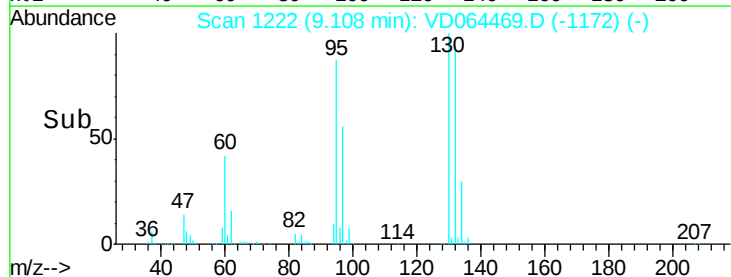
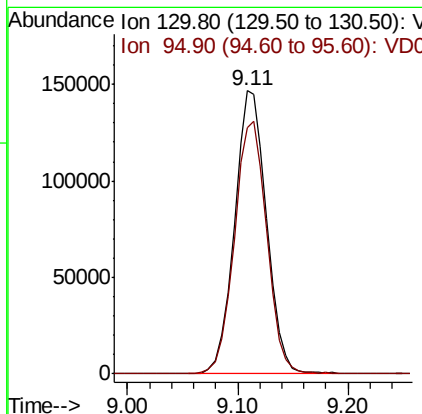
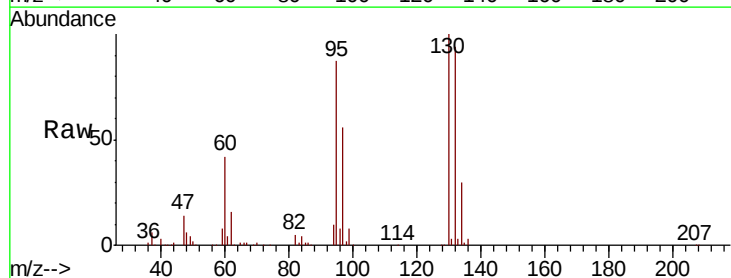
RT: 9.11 min Scan# 1222

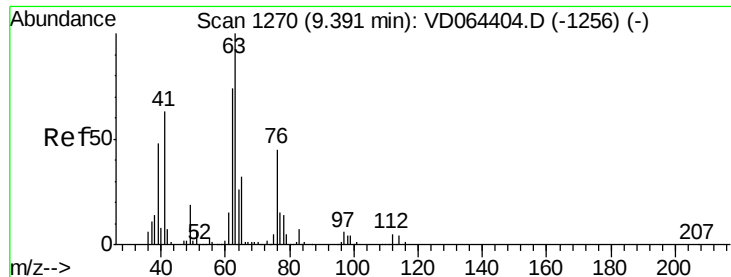
Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Tgt Ion:	130	Resp:	297671
Ion	Ratio	Lower	Upper
130	100		
95	87.1	0.0	184.6





#45

1,2-Dichloropropane

Concen: 51.475 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 233088

Ion Ratio Lower Upper

63 100

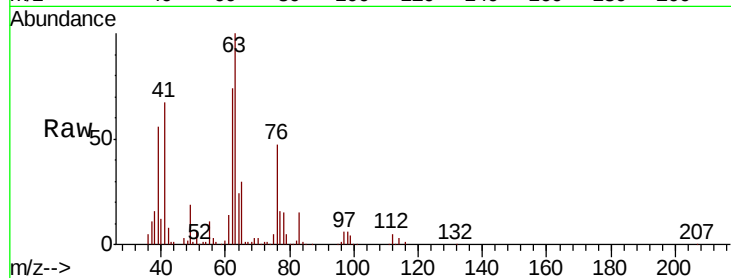
65 30.3 25.4 38.0

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

120000

100000

80000

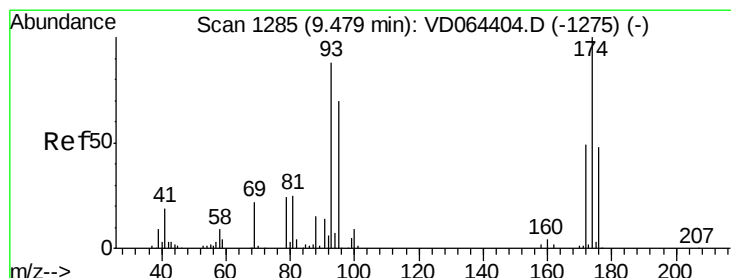
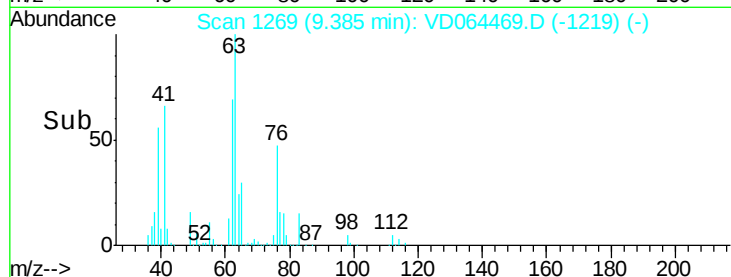
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 46.833 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

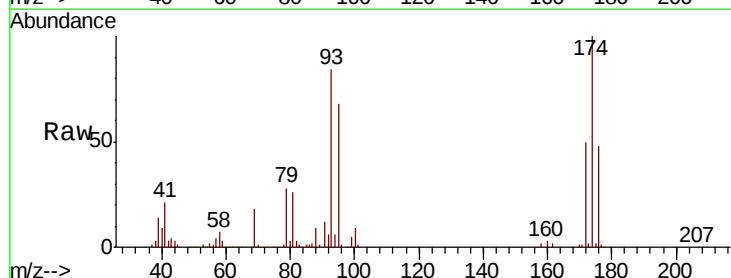
Tgt Ion: 93 Resp: 119691

Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

174 116.5 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

80000

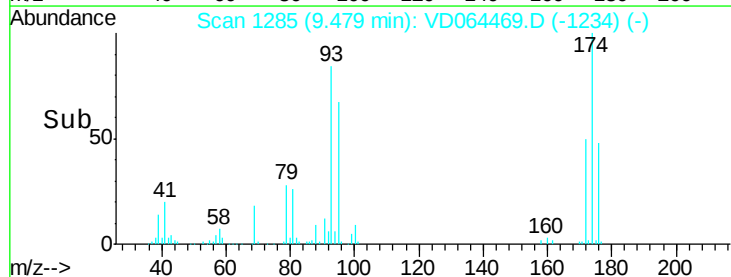
60000

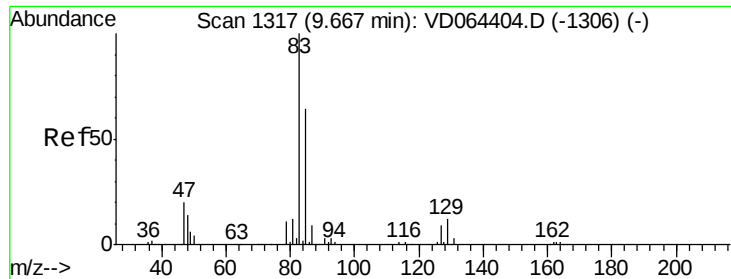
40000

20000

0

Time-->





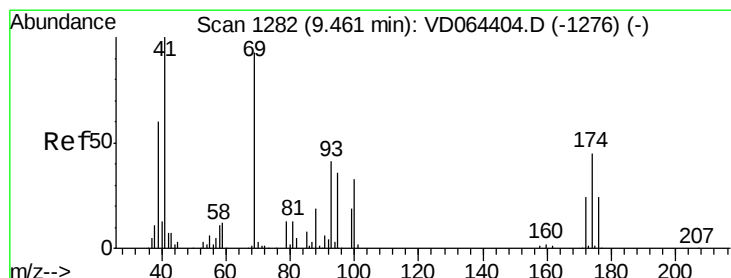
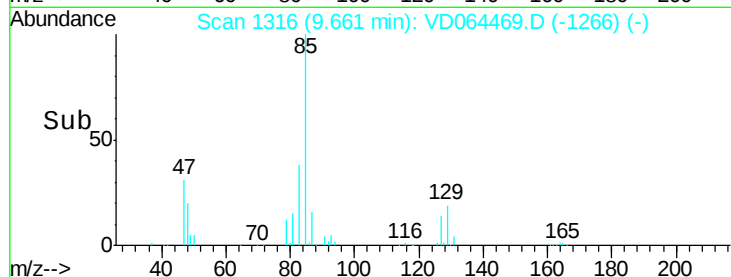
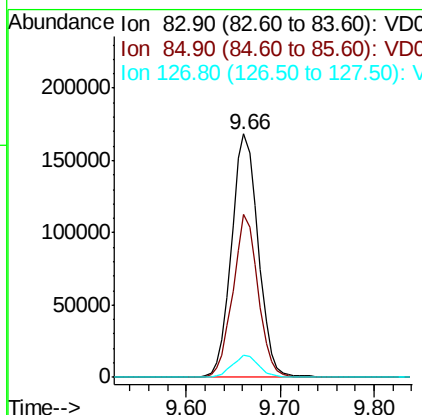
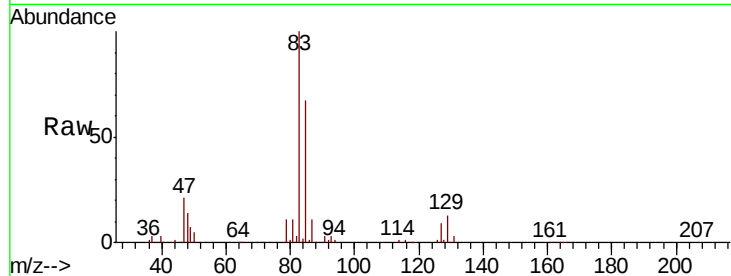
#47
Bromodichloromethane
Concen: 50.473 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	331442
Ion Ratio	100	Lower	Upper
83	100		
85	66.8	51.1	76.7
127	9.1	7.4	11.0

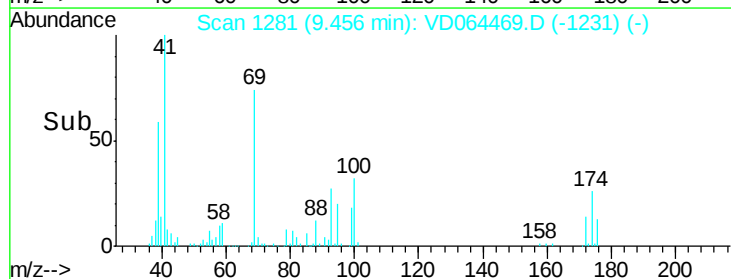
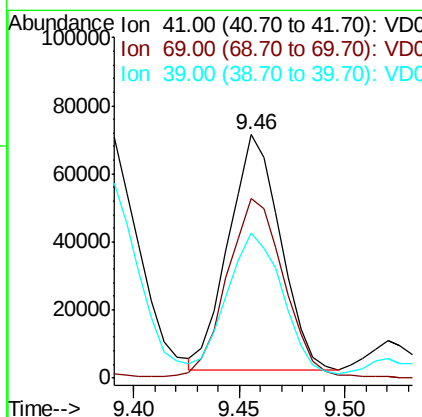
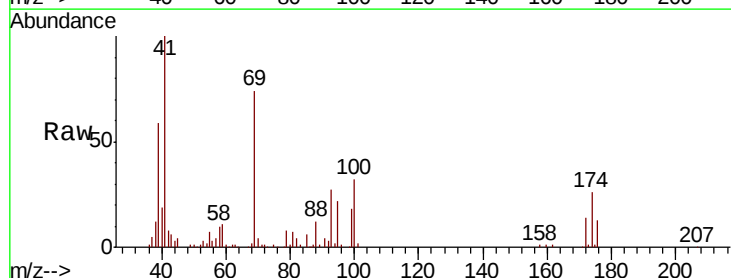
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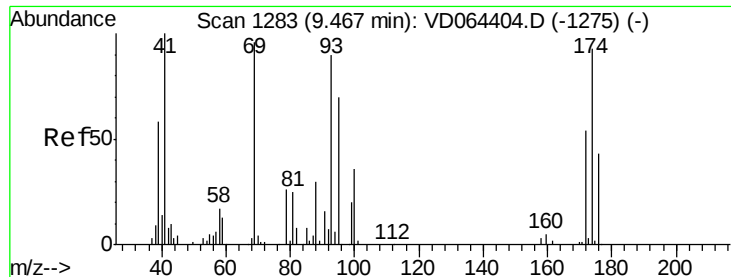
apatel
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#48
Methyl methacrylate
Concen: 45.040 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion	41	Resp	117218
Ion Ratio	100	Lower	Upper
41	100		
69	84.0	72.0	108.0
39	63.5	55.2	82.8





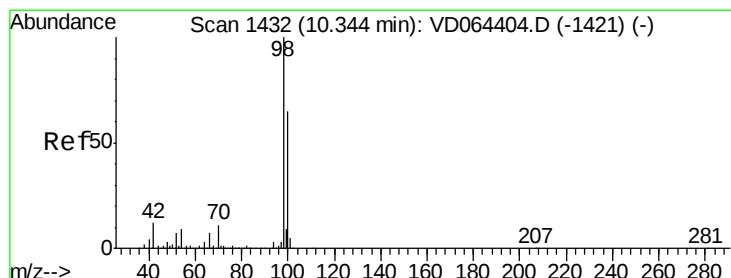
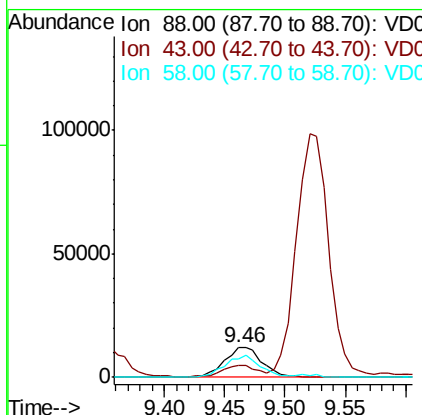
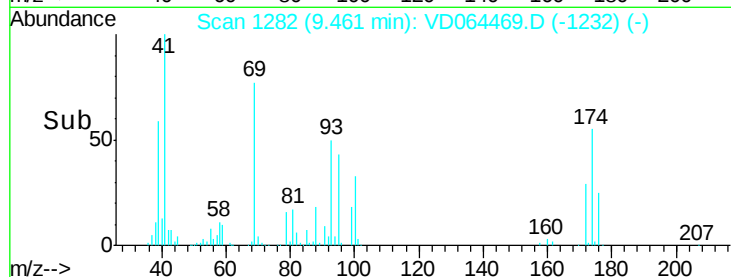
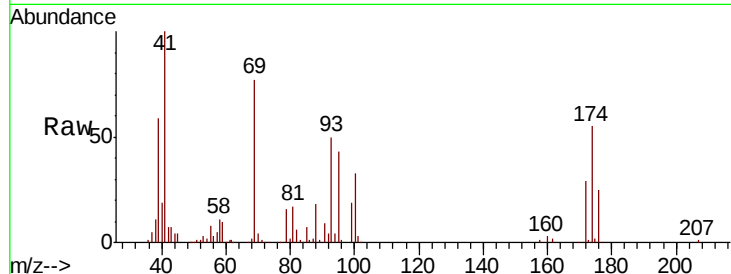
#49
1,4-Dioxane
Concen: 826.989 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	26.7	40.1
58	68.5	52.3	78.5

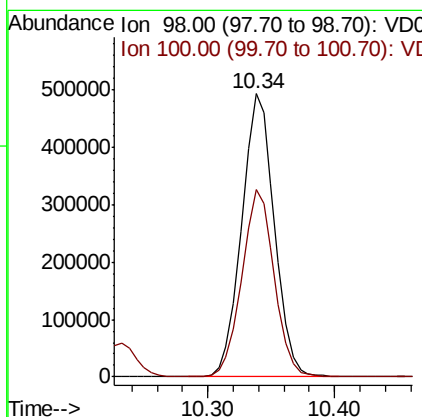
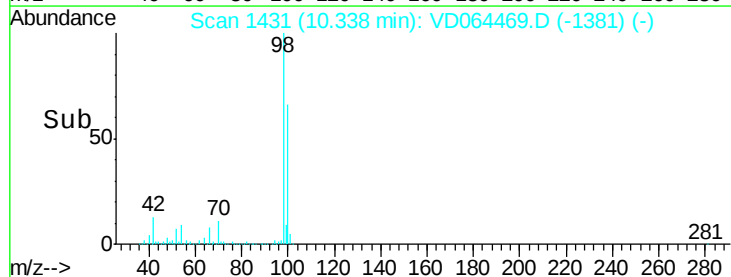
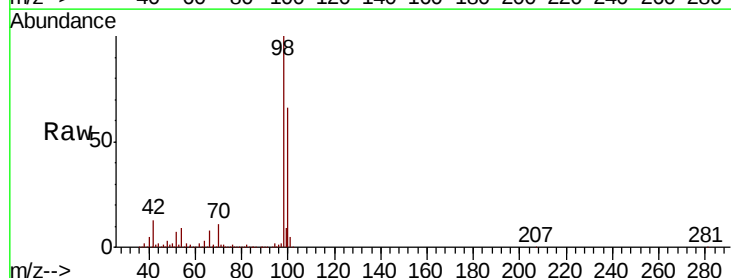
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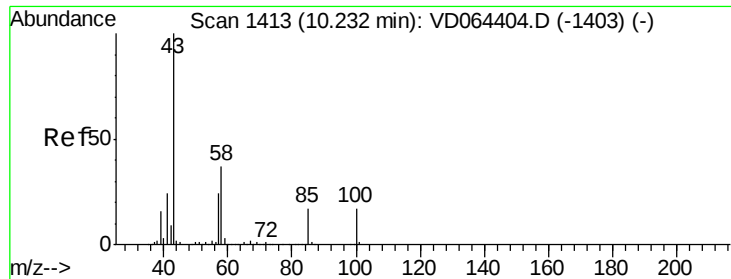
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#50
Toluene-d8
Concen: 51.587 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 218.452 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 614742

Ion Ratio Lower Upper

43 100

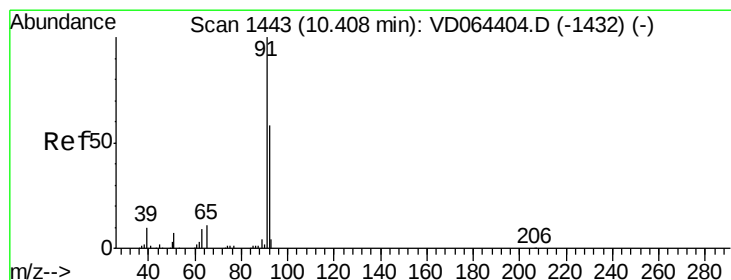
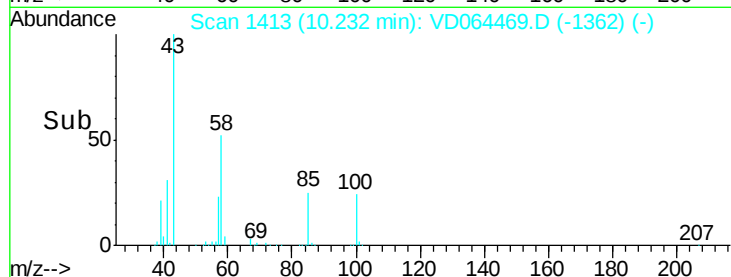
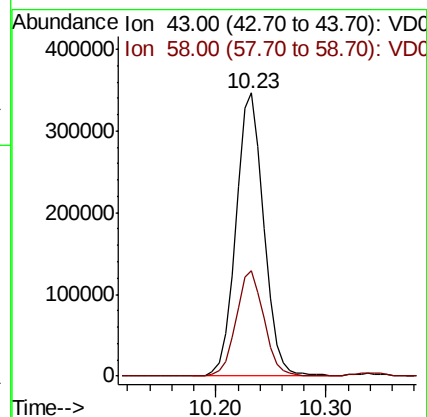
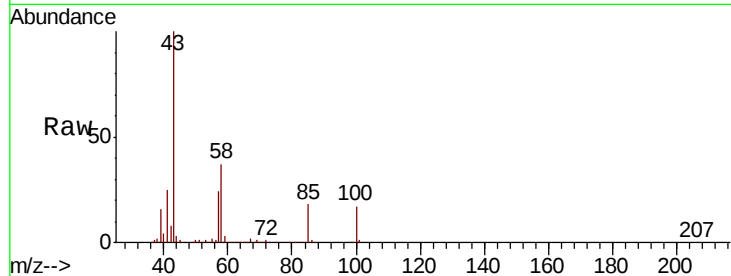
58 37.1 30.6 46.0

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#52

Toluene

Concen: 51.915 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064469.D

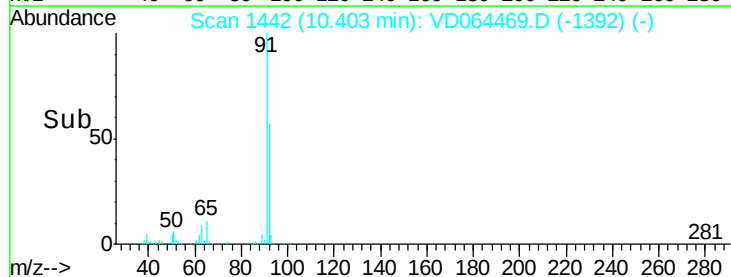
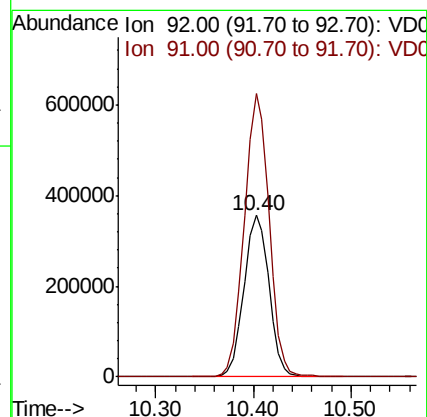
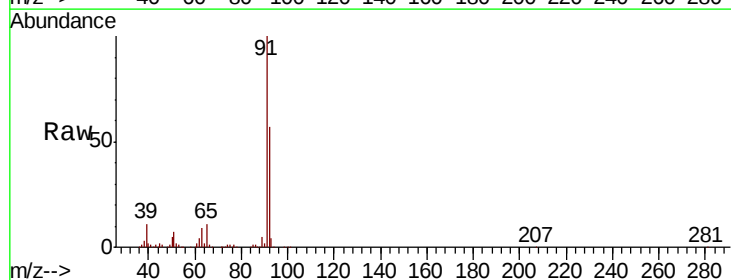
Acq: 09 Dec 2019 11:50

Tgt Ion: 92 Resp: 640592

Ion Ratio Lower Upper

92 100

91 173.4 137.8 206.6





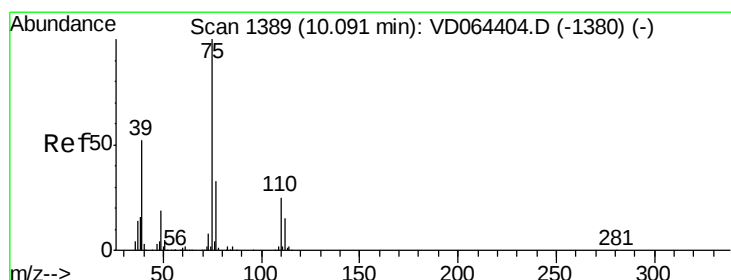
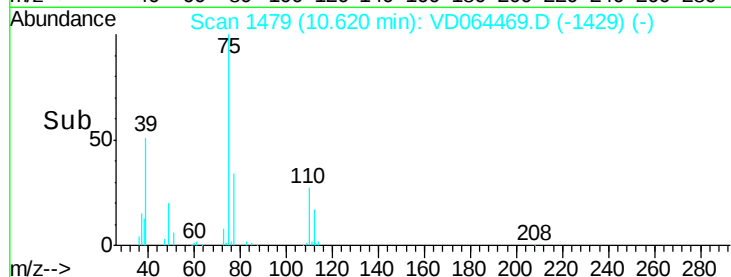
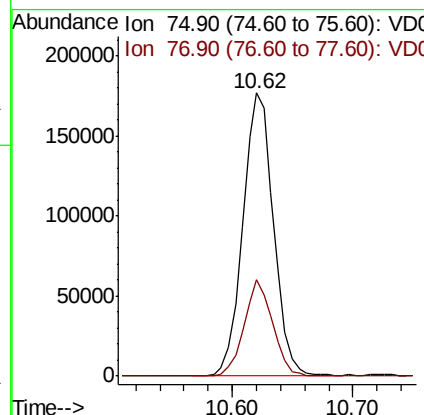
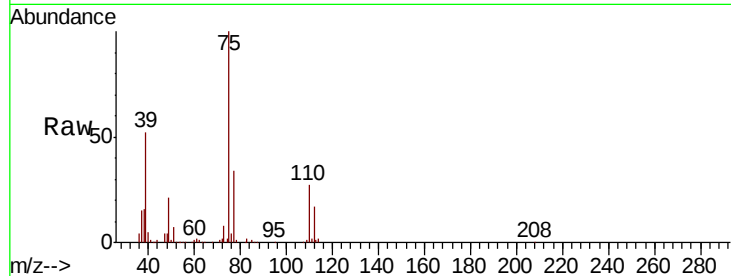
#53
 t-1,3-Dichloropropene
 Concen: 49.900 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 312290
 Ion Ratio Lower Upper
 75 100
 77 34.0 25.0 37.4

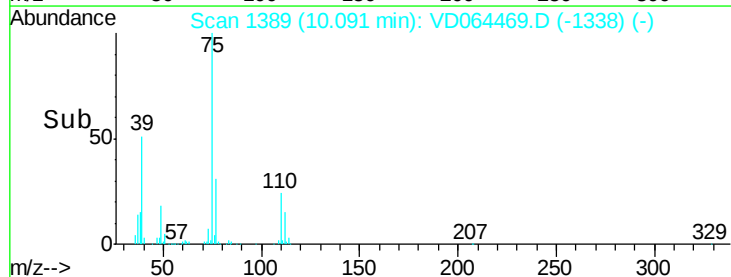
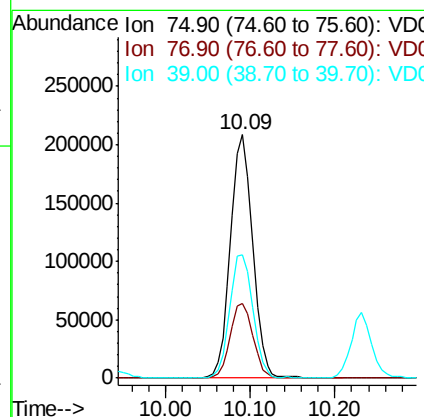
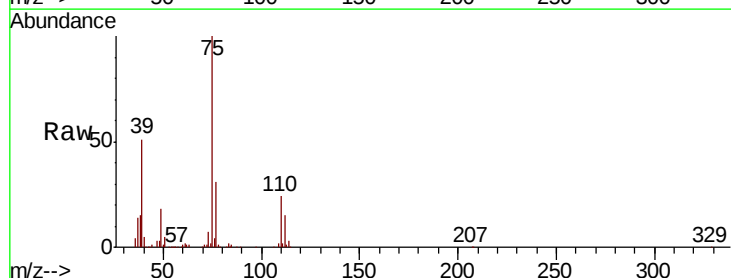
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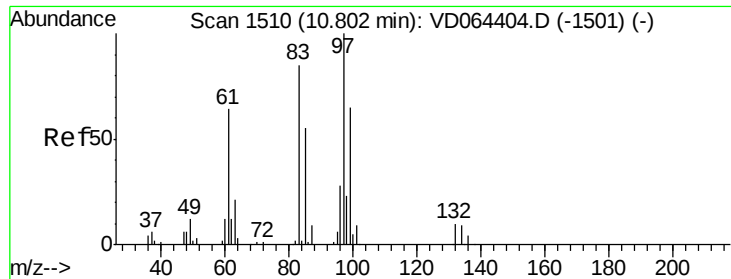
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#54
 cis-1,3-Dichloropropene
 Concen: 50.896 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion: 75 Resp: 378400
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.1 39.1
 39 50.6 41.5 62.3





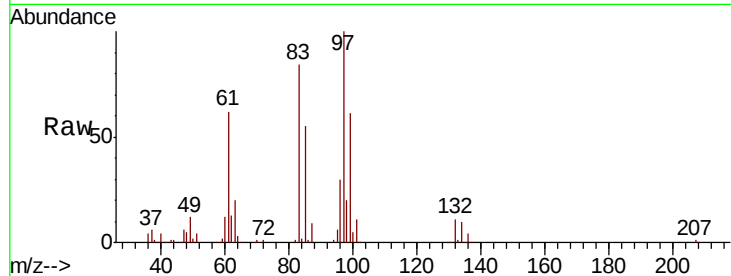
#55
 1,1,2-Trichloroethane
 Concen: 46.745 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

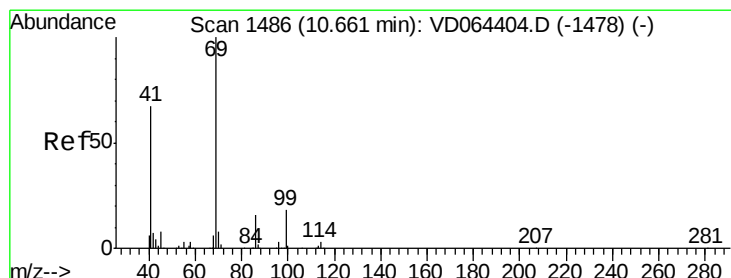
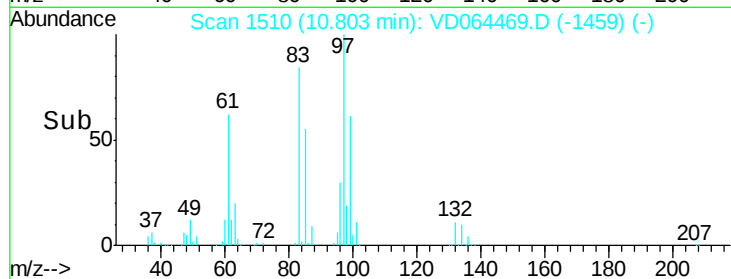
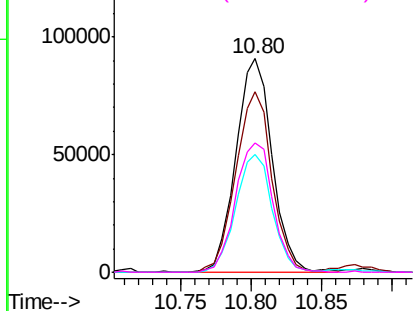
Tot Ion	Ratio	Resp	Lower	Upper
97	100	163582		
83	84.3	67.8	101.8	
85	55.0	43.7	65.5	
99	60.7	51.7	77.5	

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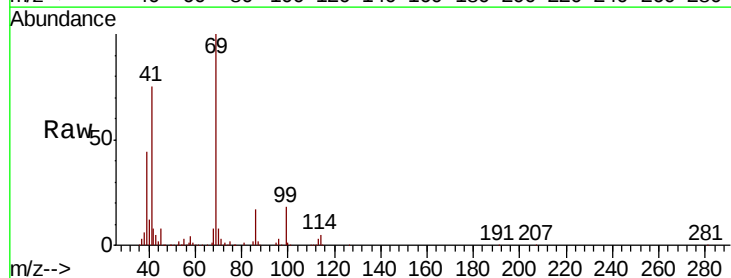


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

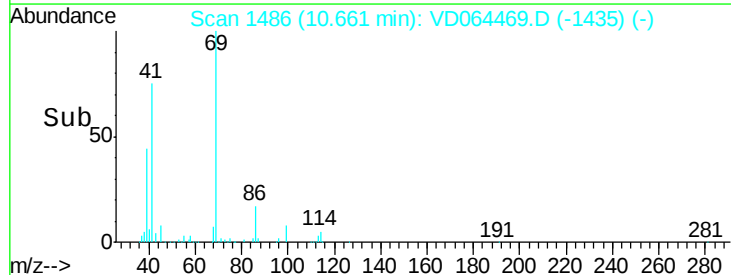
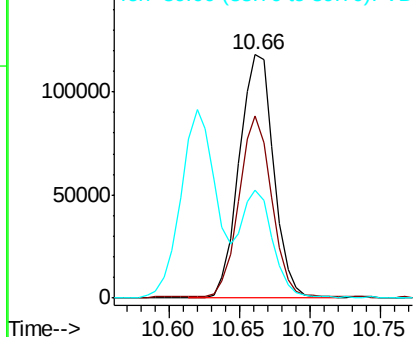


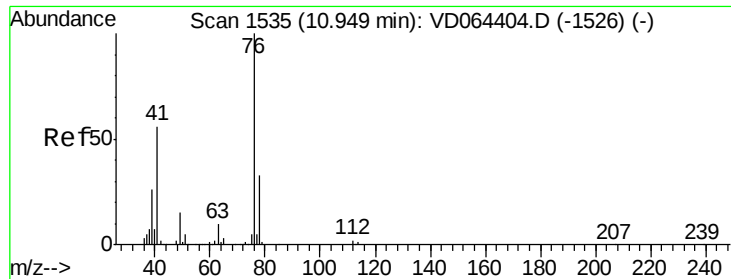
#56
 Ethyl methacrylate
 Concen: 45.378 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	202538		
41	73.2	55.0	82.4	
39	40.5	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





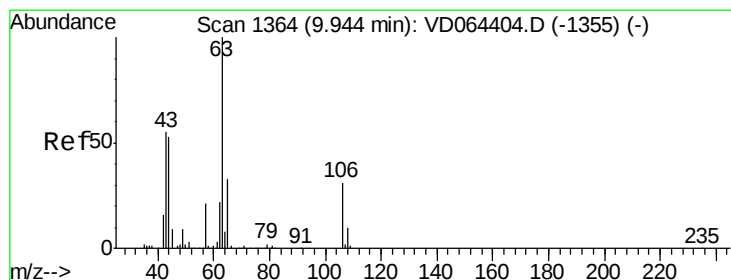
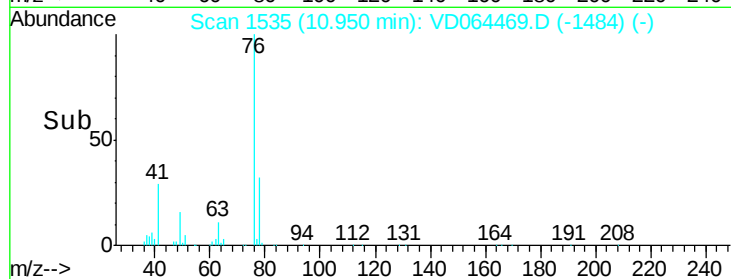
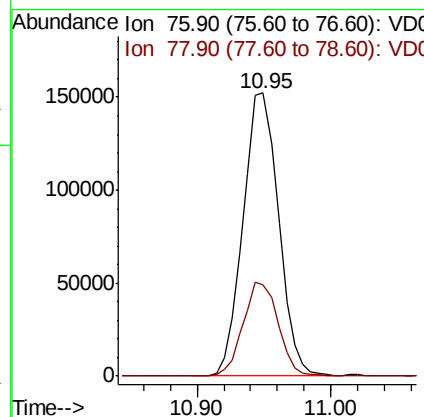
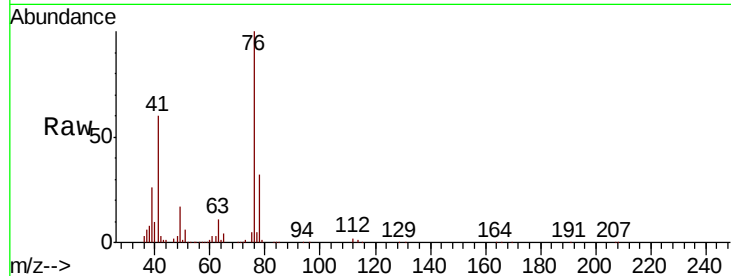
#57
 1,3-Dichloropropane
 Concen: 47.192 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 281124
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.0 39.0

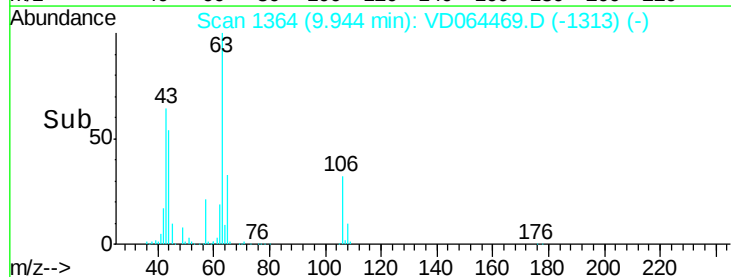
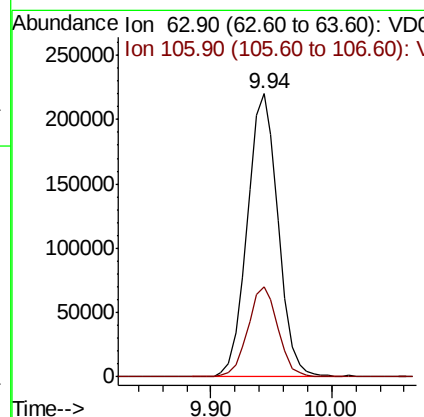
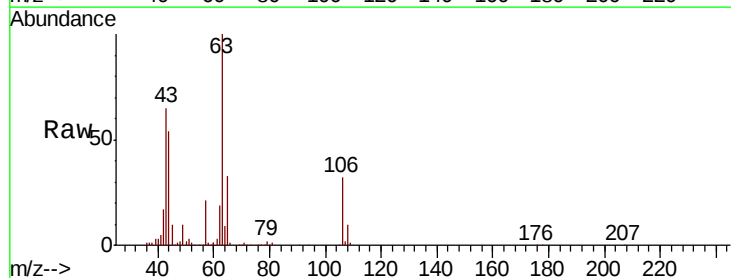
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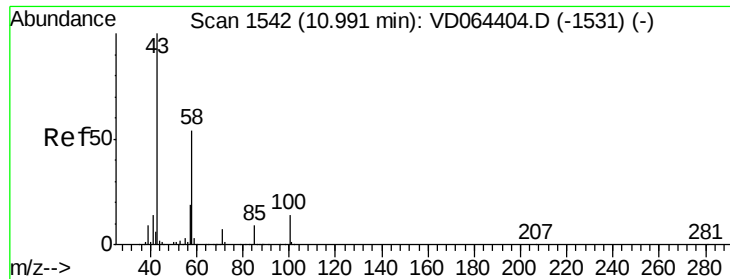
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 219.906 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion: 63 Resp: 391272
 Ion Ratio Lower Upper
 63 100
 106 31.1 24.2 36.4





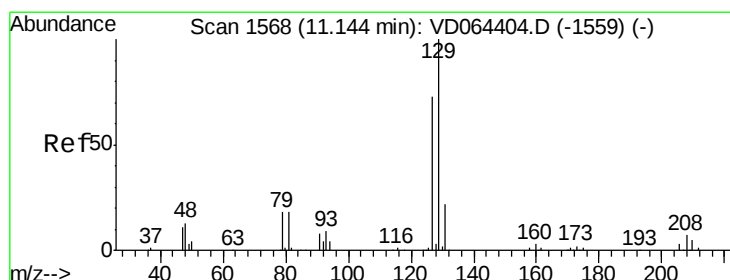
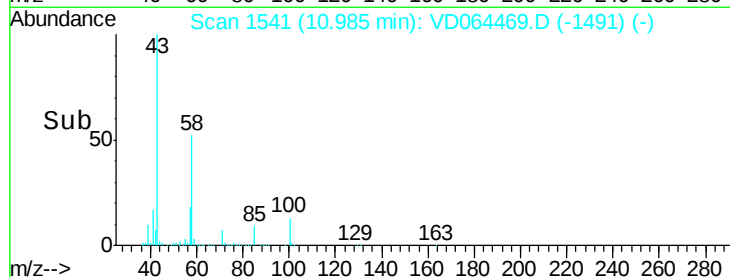
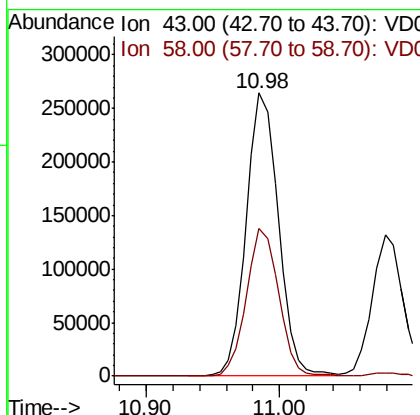
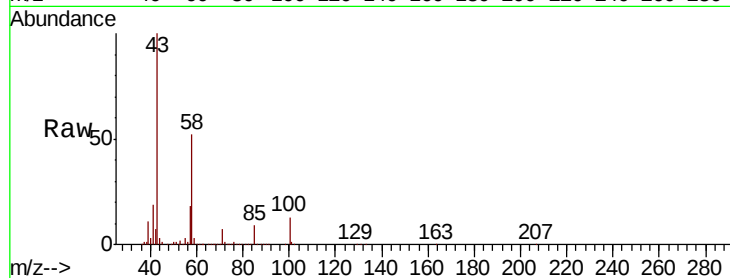
#59
2-Hexanone
Concen: 226.097 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 441493
Ion Ratio Lower Upper
43 100
58 52.0 26.3 78.8

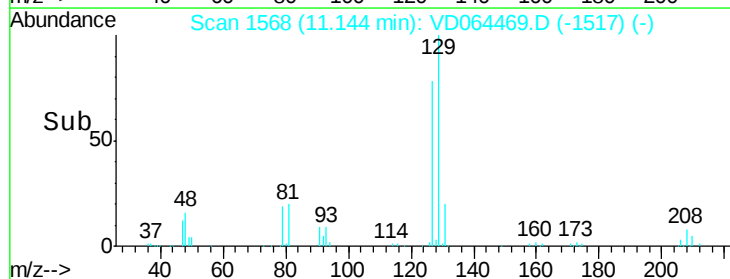
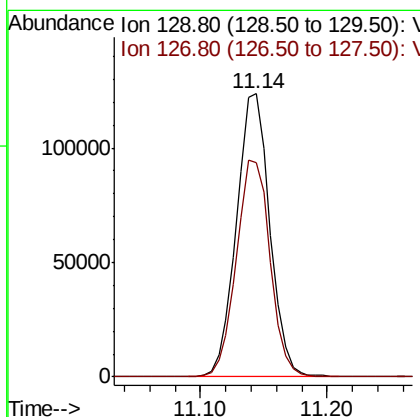
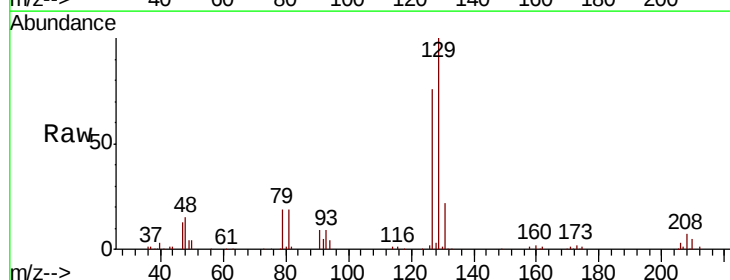
Manual Integrations
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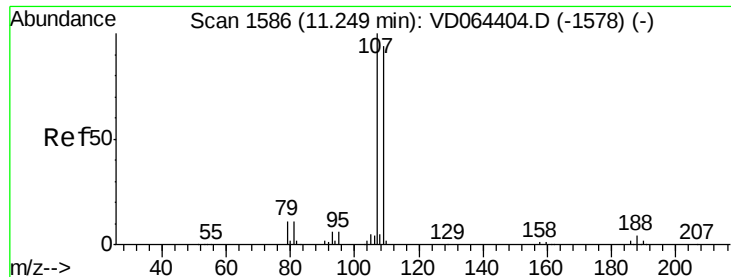
apatel
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#60
Dibromochloromethane
Concen: 47.600 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion: 129 Resp: 225850
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.3





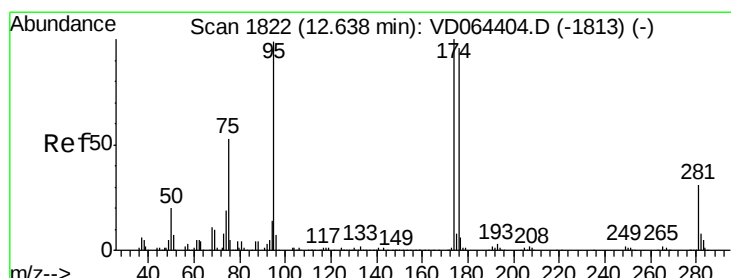
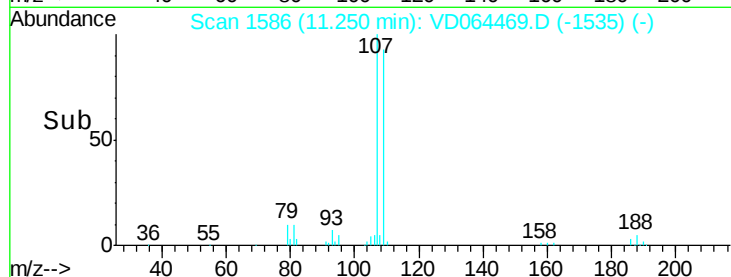
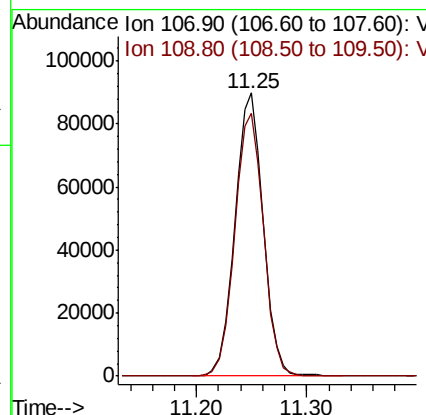
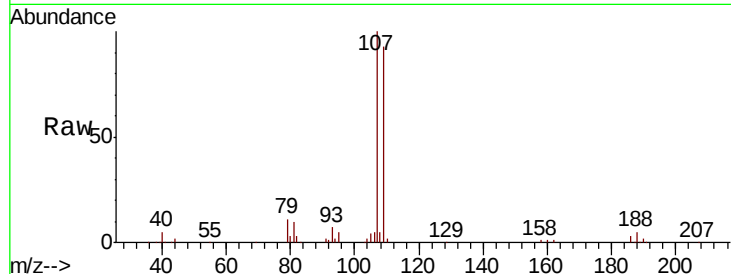
#61
 1,2-Dibromoethane
 Concen: 45.929 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 160479
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.2 114.2

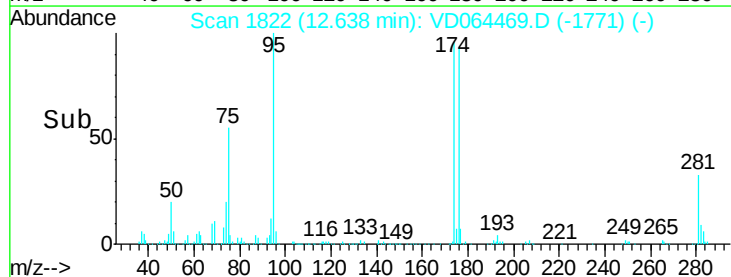
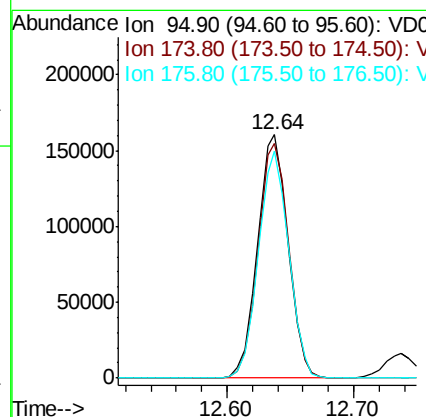
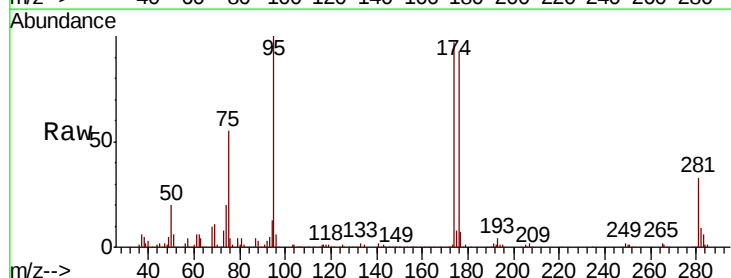
Manual Integrations
 APPROVED

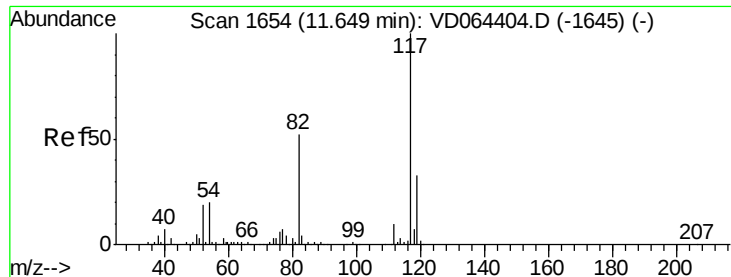
apatel
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#62
 4-Bromofluorobenzene
 Concen: 48.971 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion: 95 Resp: 269201
 Ion Ratio Lower Upper
 95 100
 174 97.2 0.0 197.2
 176 92.7 0.0 189.6





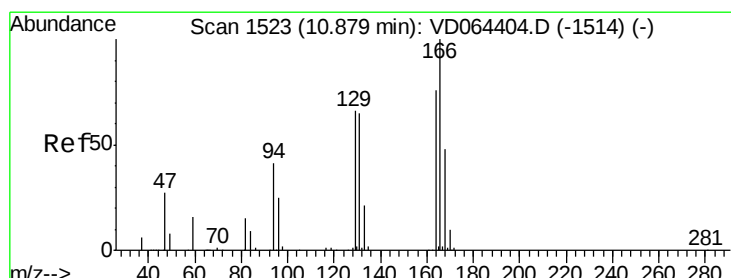
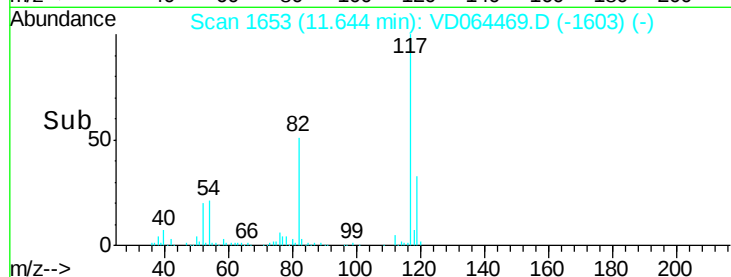
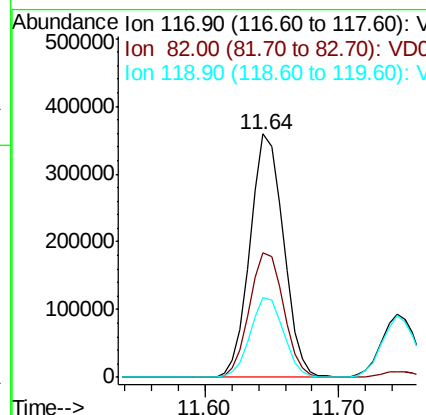
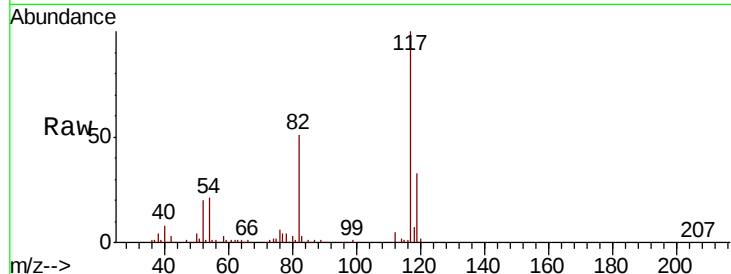
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	41.4	62.2
119	32.6	26.2	39.2

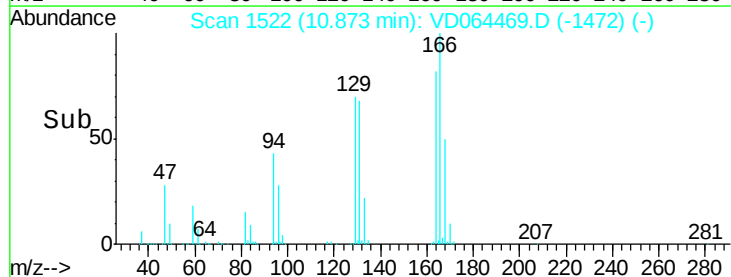
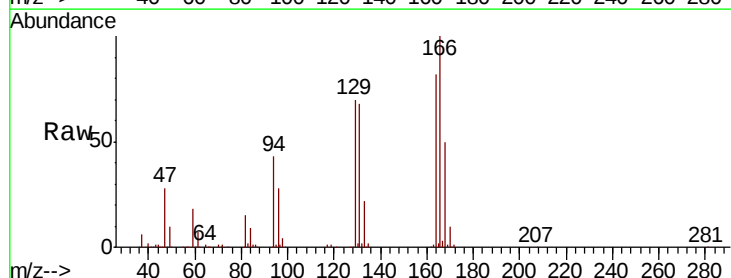
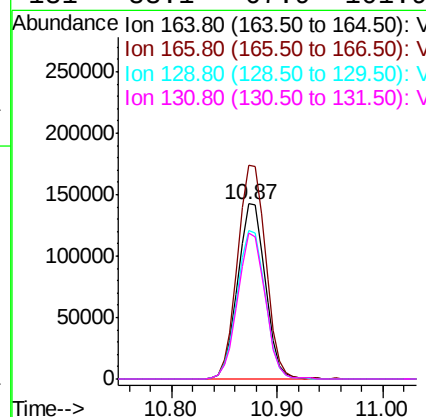
Manual Integrations
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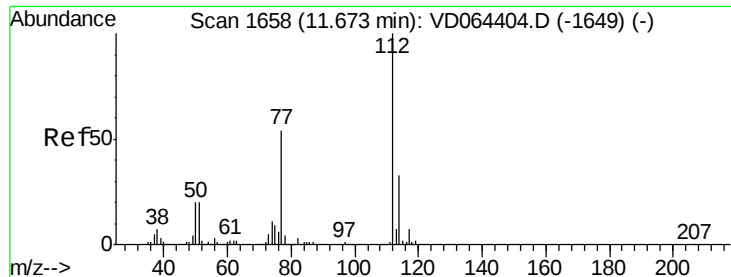
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#64
Tetrachloroethene
Concen: 54.370 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.1	104.8	157.2
129	85.3	68.7	103.1
131	83.1	67.9	101.9





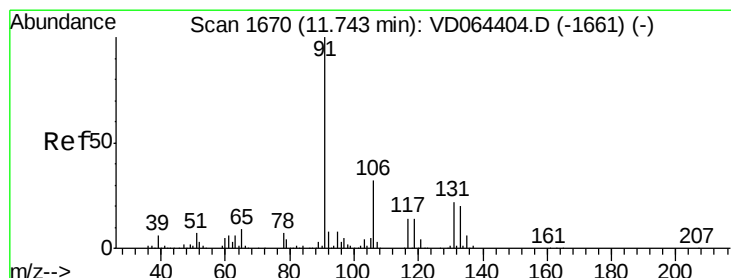
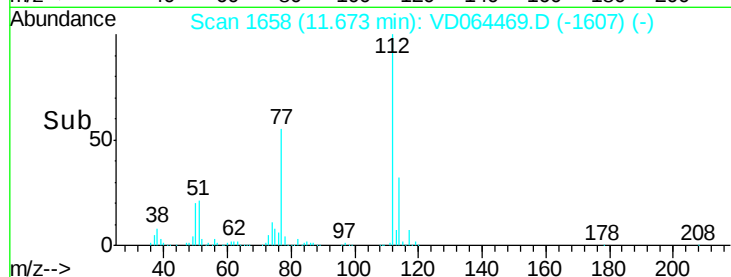
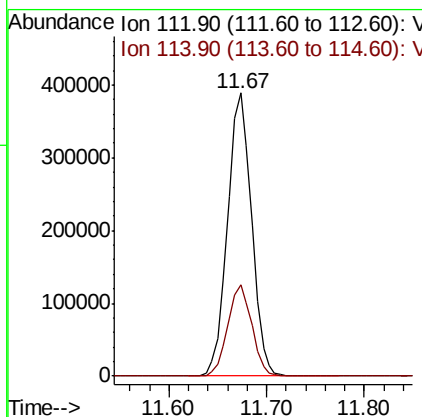
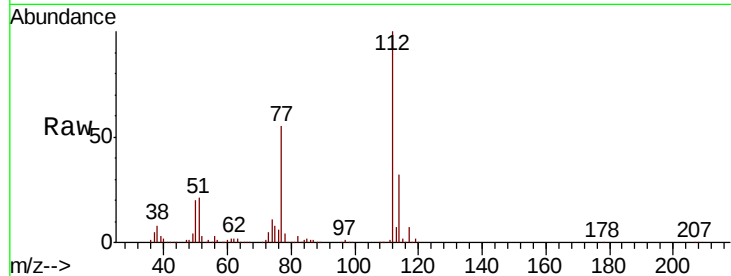
#65
Chlorobenzene
Concen: 51.463 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 666633
Ion Ratio Lower Upper
112 100
114 32.2 26.5 39.7

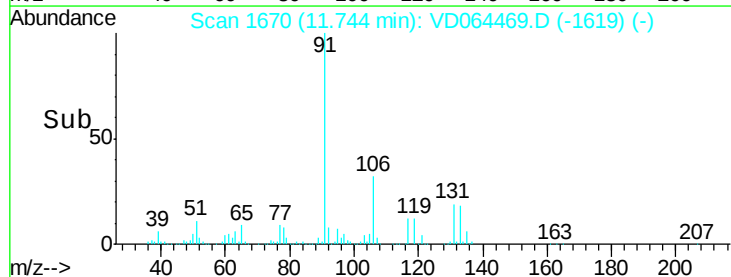
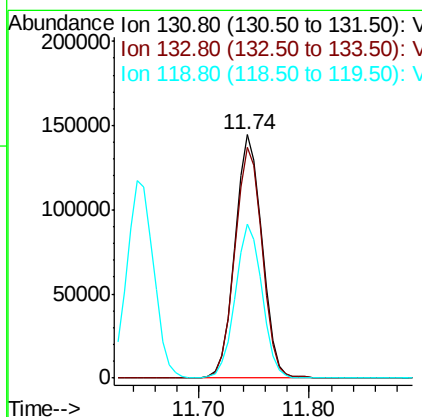
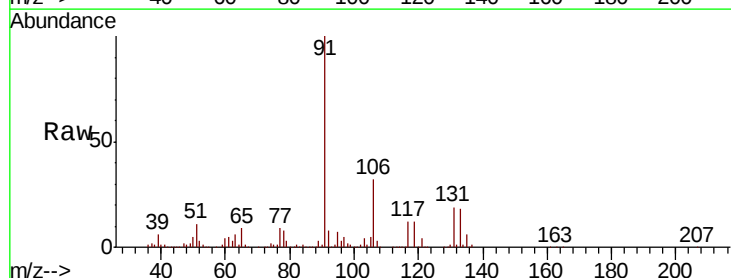
Manual Integrations
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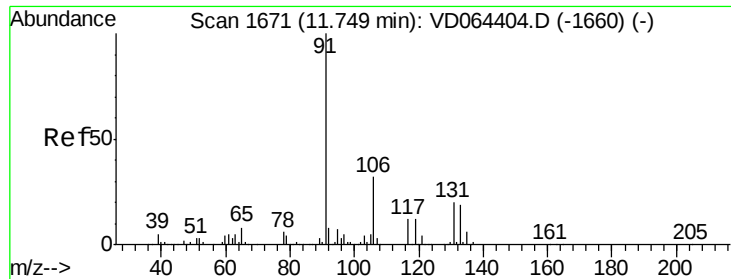
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.076 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion:131 Resp: 249718
Ion Ratio Lower Upper
131 100
133 95.7 48.3 144.9
119 62.8 31.9 95.9





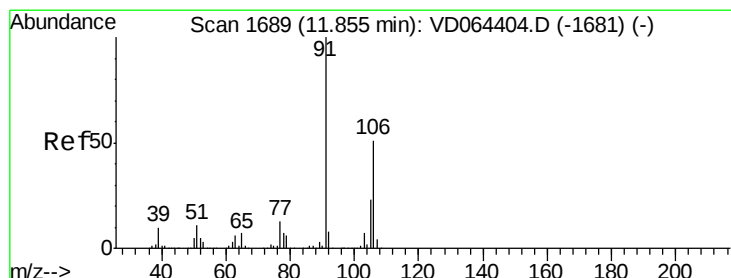
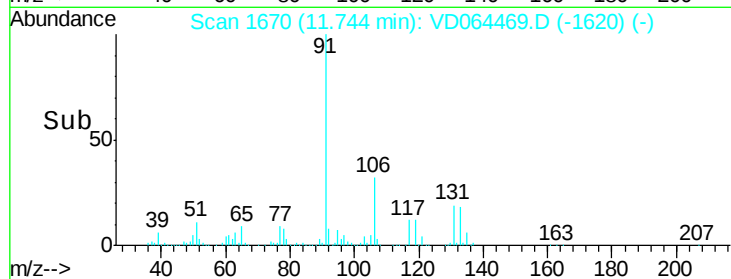
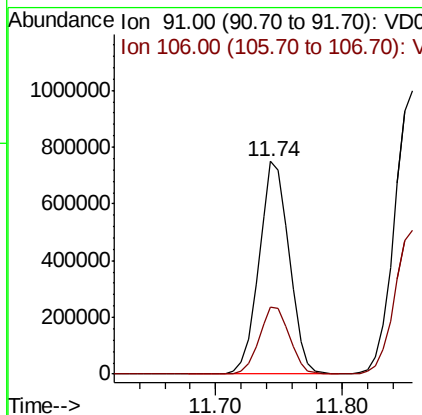
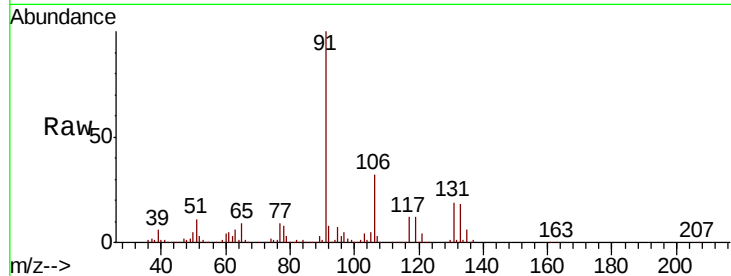
#67
Ethyl Benzene
Concen: 53.812 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1240213
Ion Ratio Lower Upper
91 100
106 31.8 25.8 38.8

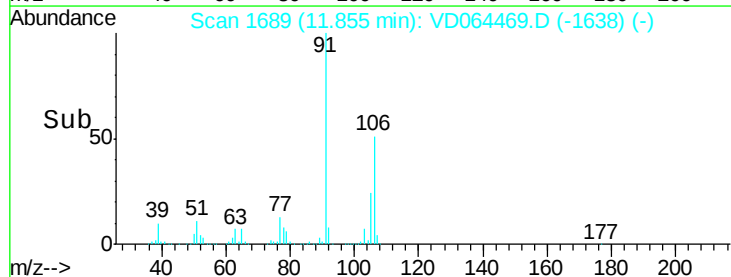
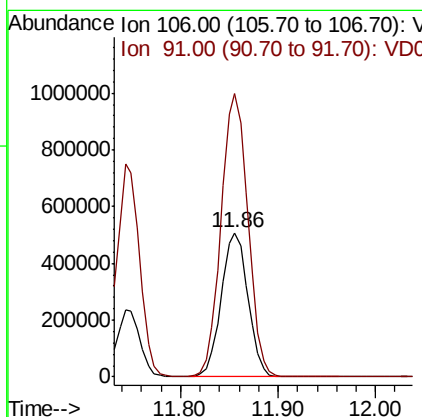
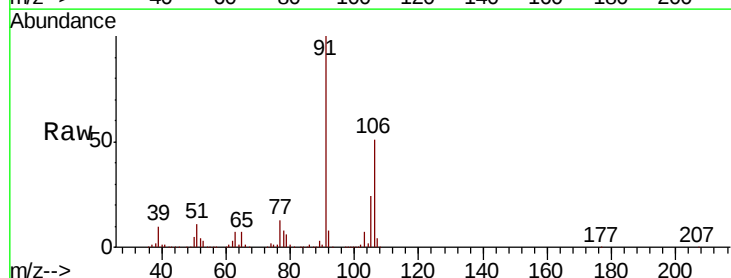
Manual Integrations
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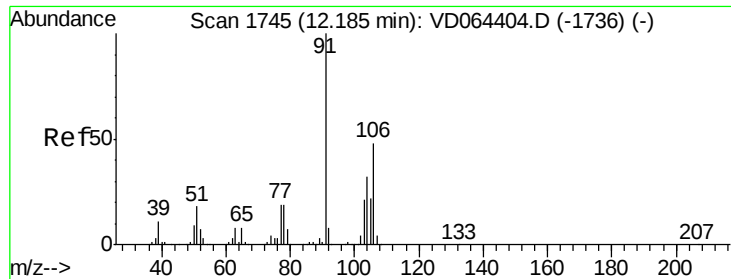
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#68
m/p-Xylenes
Concen: 109.334 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion: 106 Resp: 960798
Ion Ratio Lower Upper
106 100
91 197.7 157.4 236.2





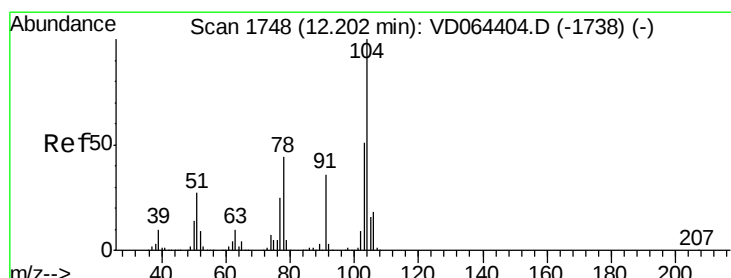
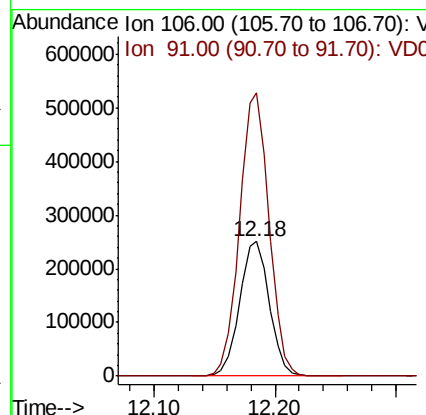
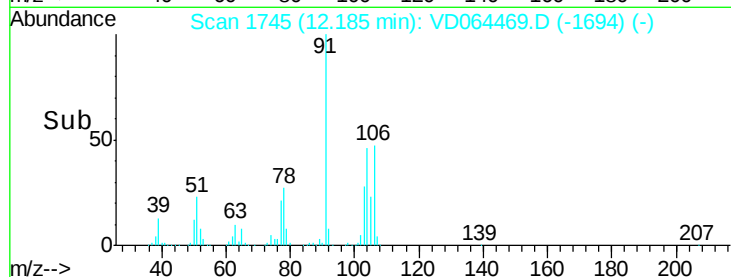
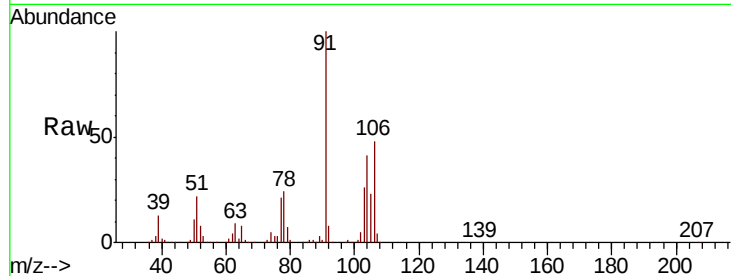
#69
o-Xylene
Concen: 52.969 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.2	103.8	311.4

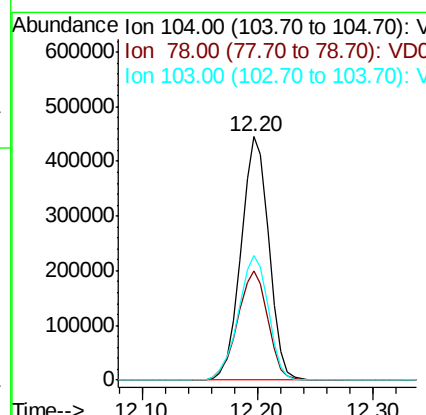
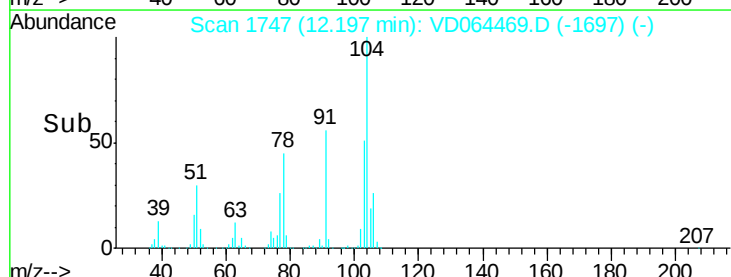
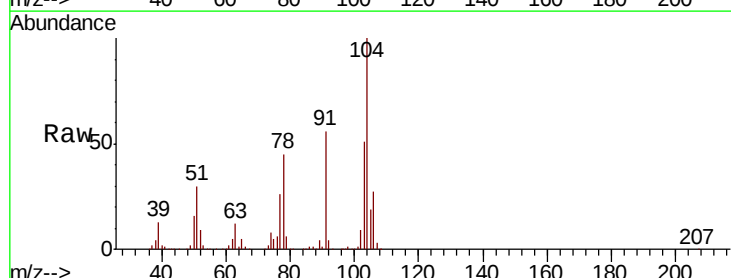
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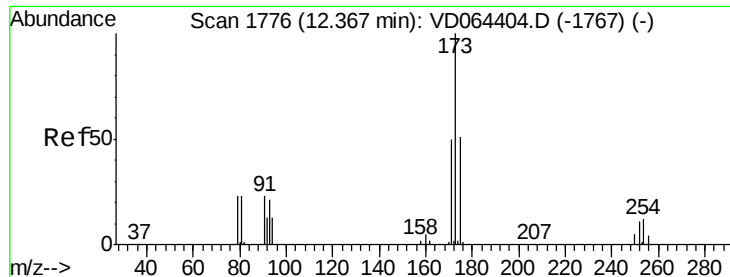
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#70
Styrene
Concen: 52.565 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.8	58.2
103	55.1	44.2	66.4





#71

Bromoform

Concen: 46.433 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

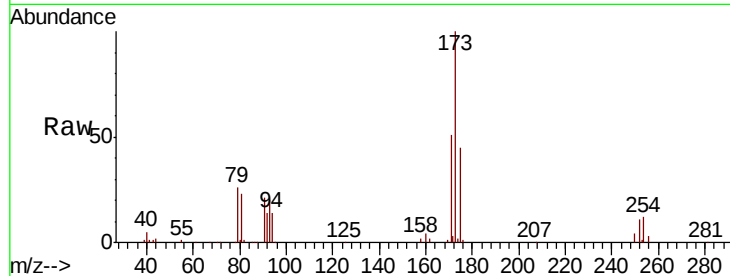
ClientSampleId :

VSTDCCC050

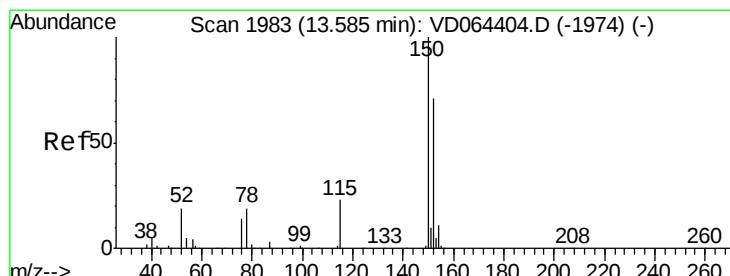
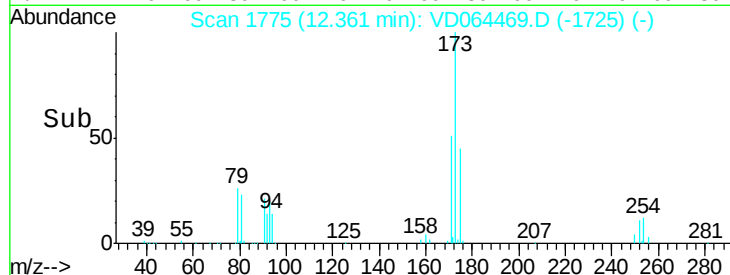
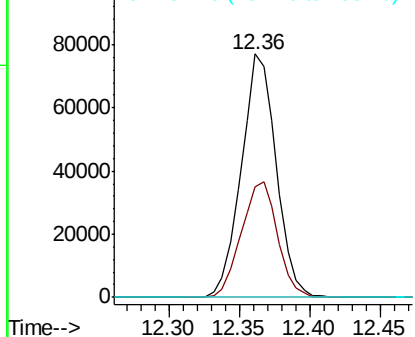
Tot Ion:	173	Resp:	133213
Ion Ratio	Lower	Upper	
173	100		
175	49.1	25.3	75.8
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

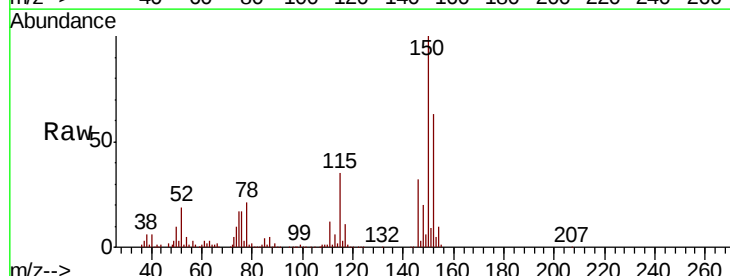
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

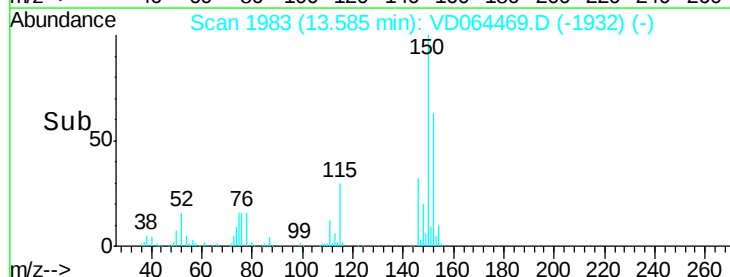
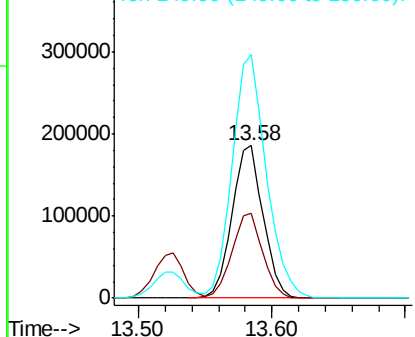
Lab File: VD064469.D

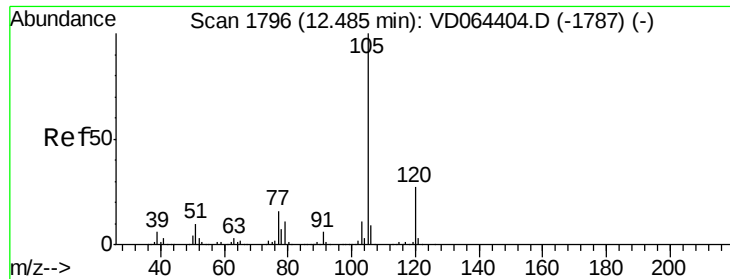
Acq: 09 Dec 2019 11:50

Tgt Ion:	152	Resp:	300075
Ion Ratio	Lower	Upper	
152	100		
115	55.1	26.7	80.1
150	175.3	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.489 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1197555

Ion Ratio Lower Upper

105 100

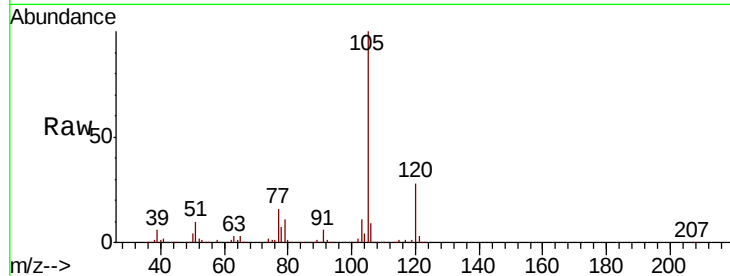
120 27.2 13.4 40.2

Manual Integrations

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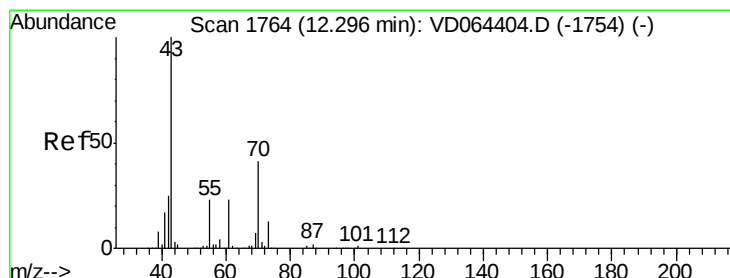
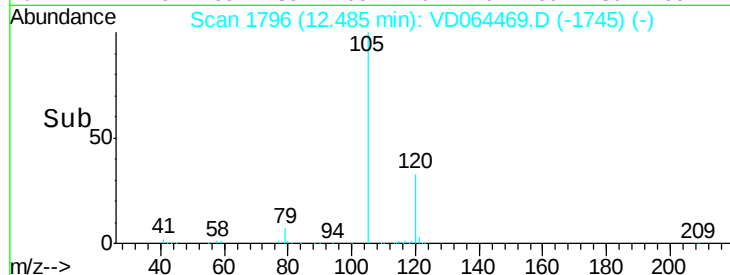
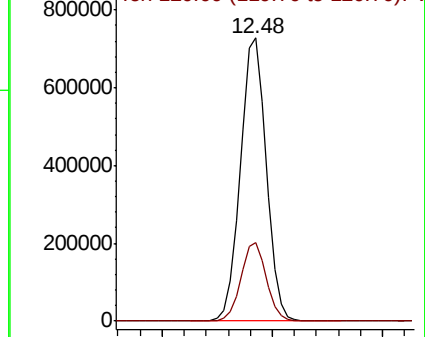
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.951 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Tgt Ion: 43 Resp: 229977

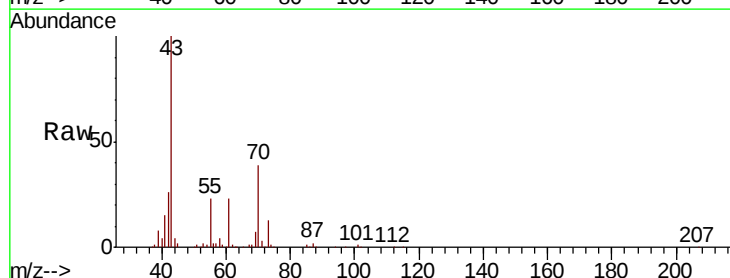
Ion Ratio Lower Upper

43 100

70 42.2 33.4 50.2

55 23.2 18.9 28.3

61 23.9 18.5 27.7

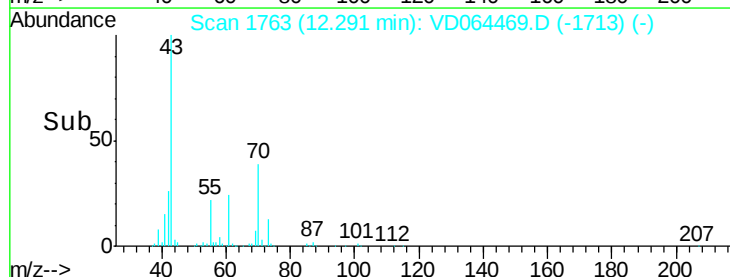
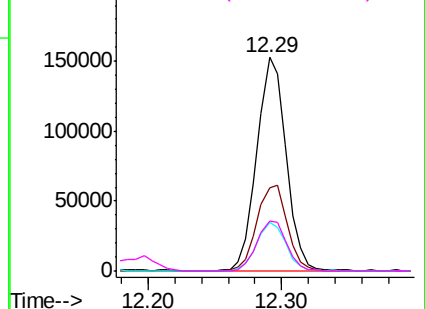


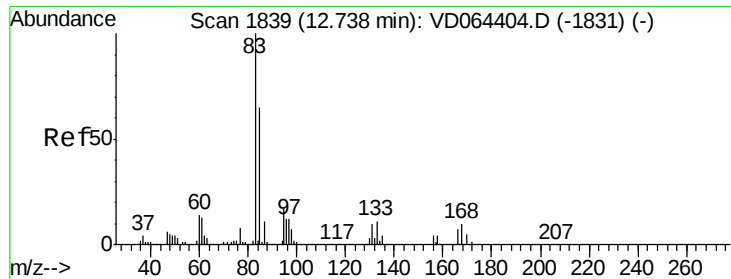
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 45.755 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

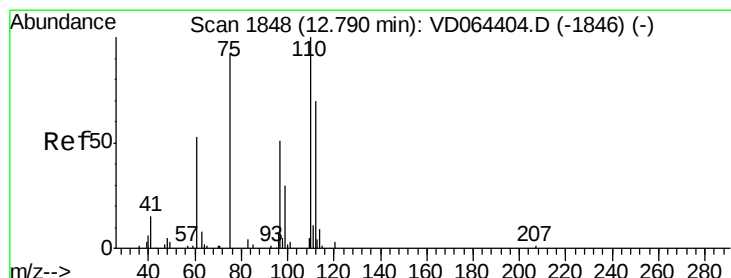
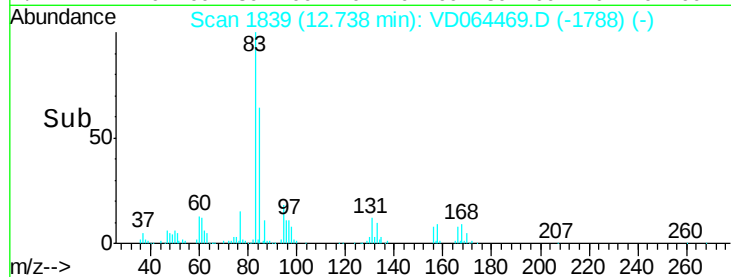
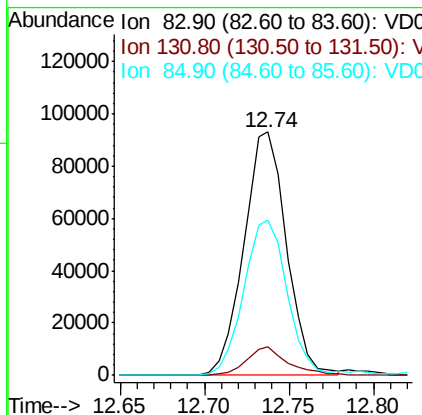
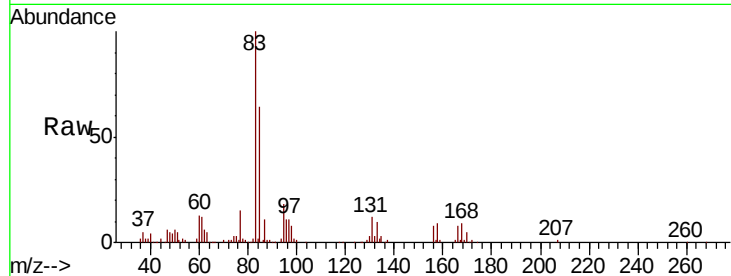
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	163297
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.0
85	65.0	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.713 ug/l m

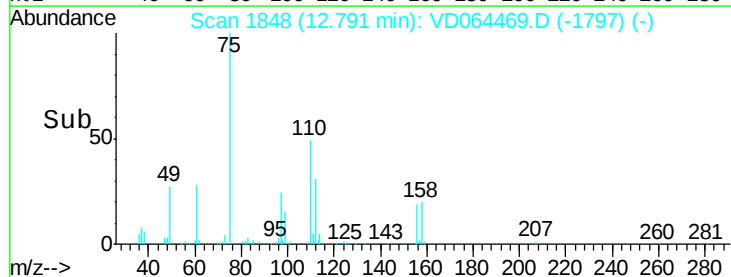
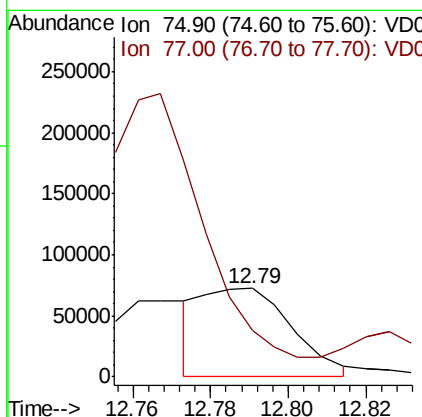
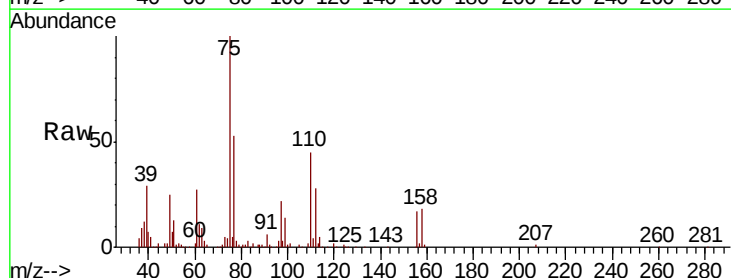
RT: 12.79 min Scan# 1848

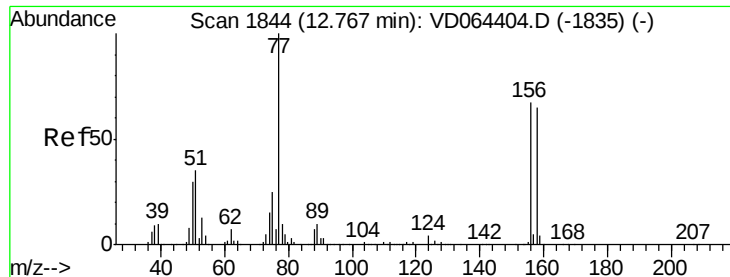
Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Tgt Ion:	75	Resp:	117742
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.549 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

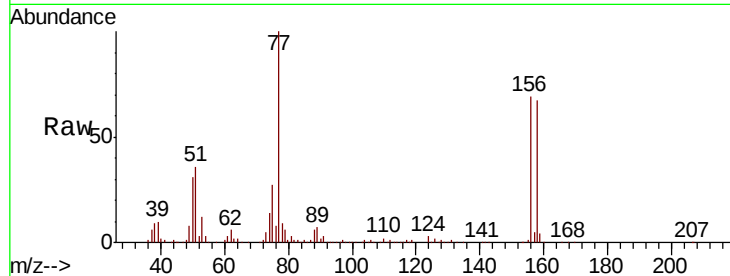
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	274734
Ion	Ratio	Lower	Upper
156	100		
77	160.8	80.0	240.2
158	97.8	48.9	146.6

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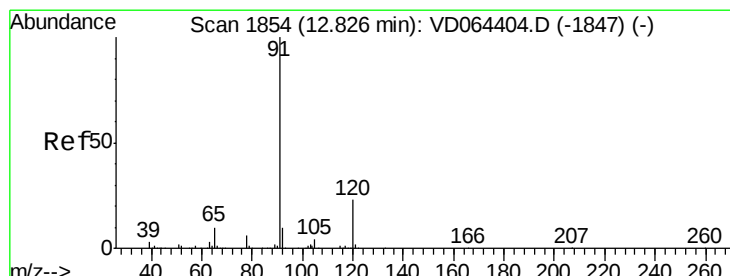
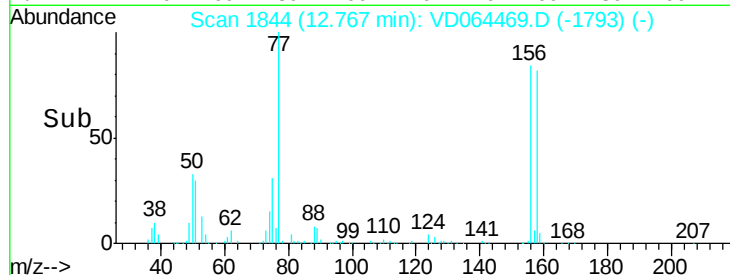
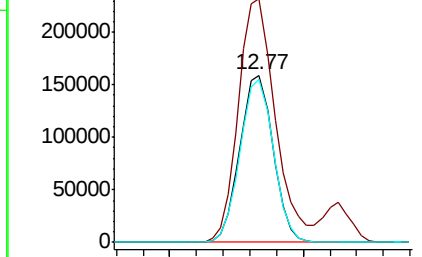
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.698 ug/l

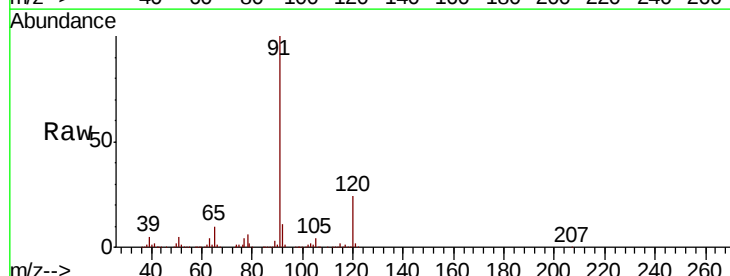
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064469.D

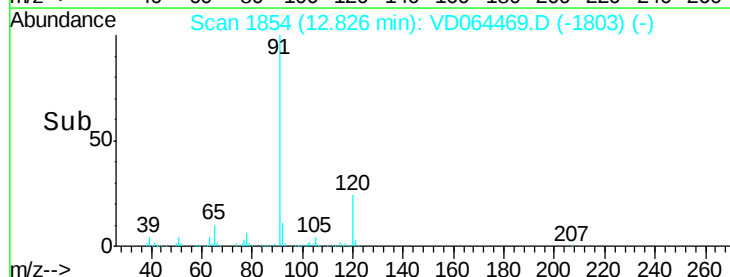
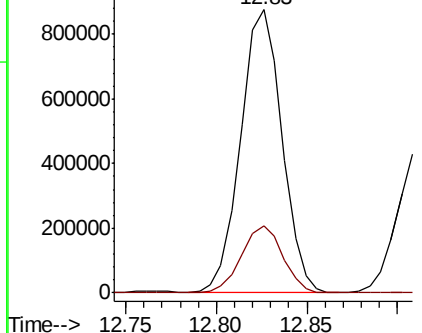
Acq: 09 Dec 2019 11:50

Tgt Ion:	91	Resp:	1386952
Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.416 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 745601

Ion Ratio Lower Upper

91 100

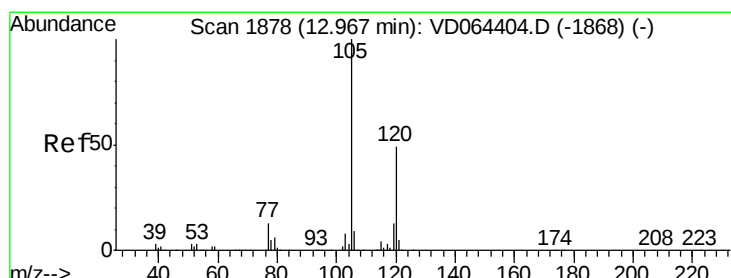
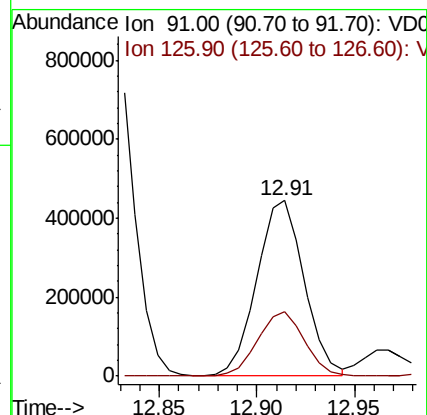
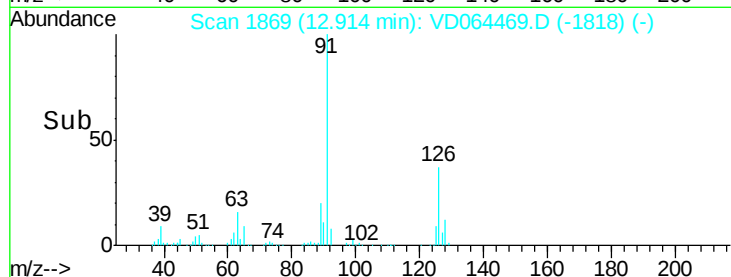
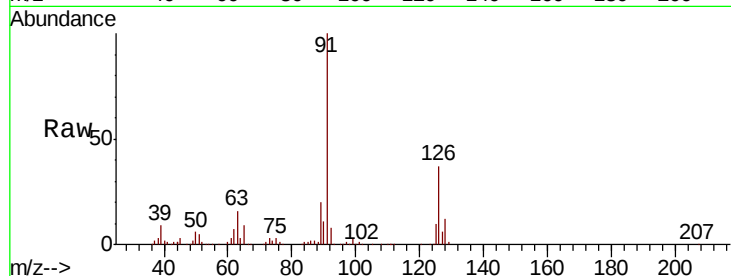
126 36.2 18.0 54.0

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#80

1,3,5-Trimethylbenzene

Concen: 54.791 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064469.D

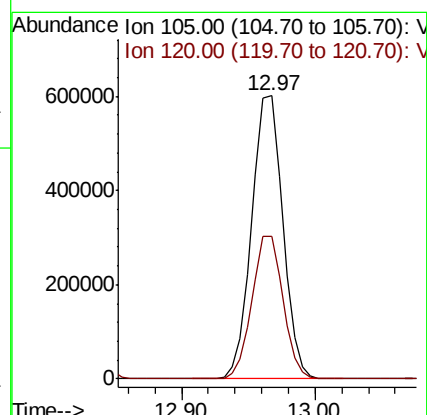
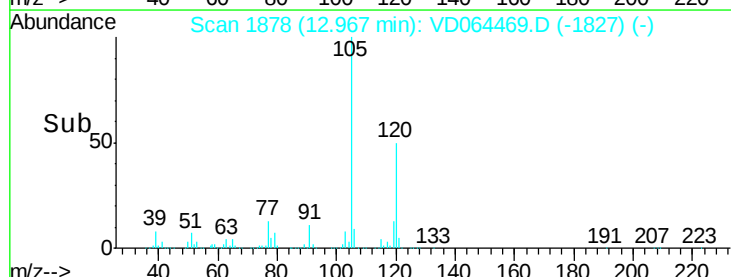
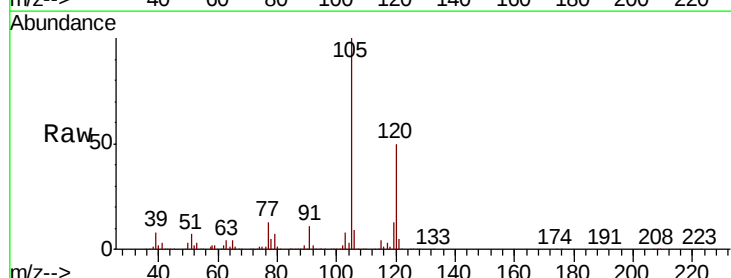
Acq: 09 Dec 2019 11:50

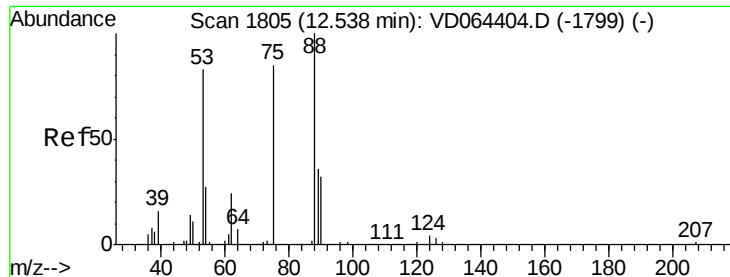
Tgt Ion: 105 Resp: 966326

Ion Ratio Lower Upper

105 100

120 50.4 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 48.702 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

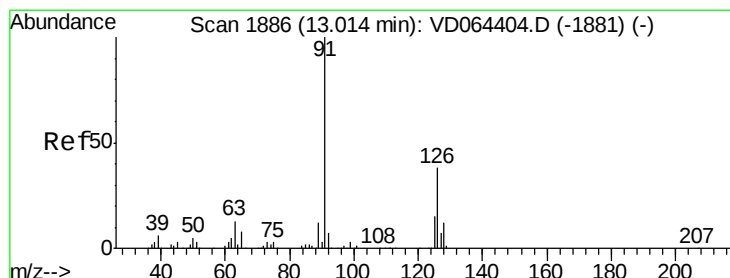
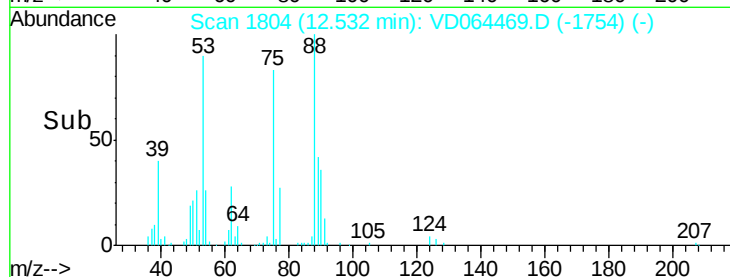
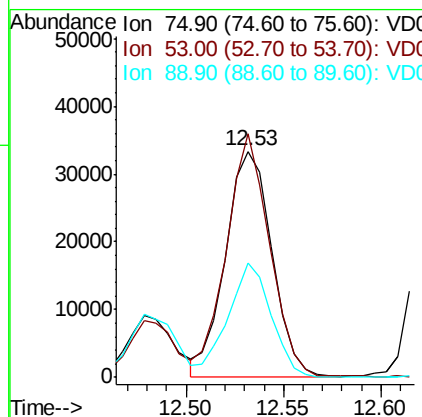
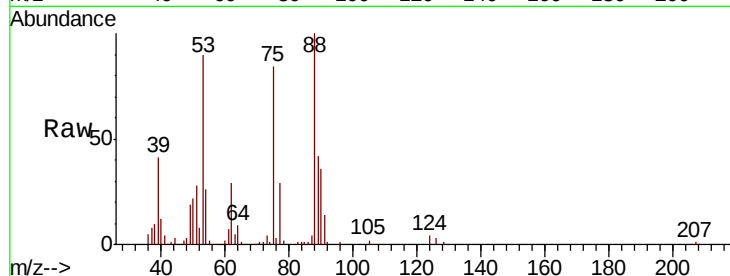
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	55116
Ion Ratio	Lower	Upper	
75	100		
53	99.0	81.0	121.6
89	47.1	38.5	57.7

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#82

4-Chlorotoluene

Concen: 54.292 ug/l

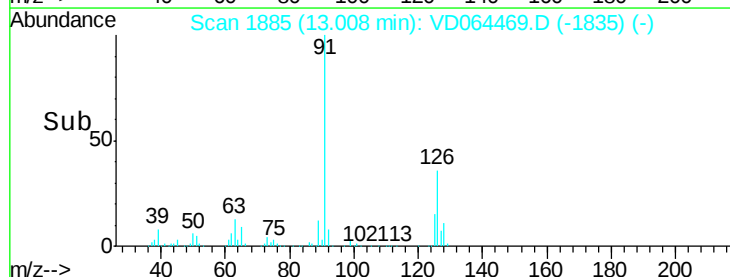
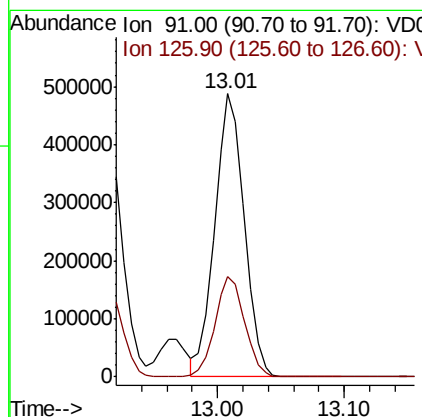
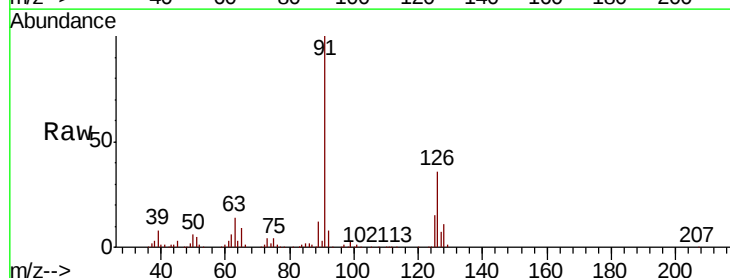
RT: 13.01 min Scan# 1885

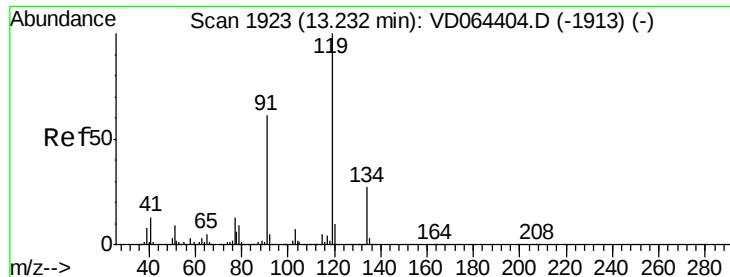
Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Tgt Ion:	91	Resp:	787622
Ion Ratio	Lower	Upper	
91	100		
126	35.6	18.2	54.6





#83

tert-Butylbenzene

Concen: 56.580 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

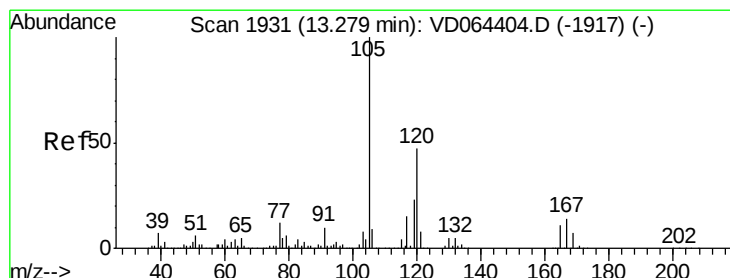
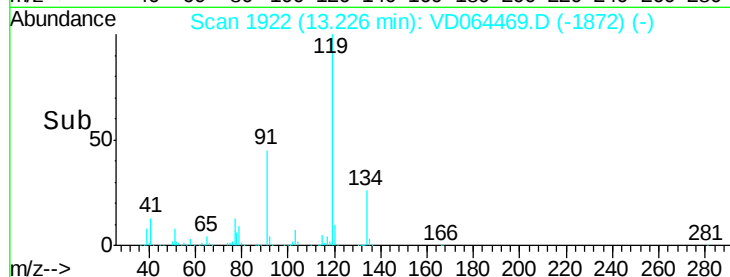
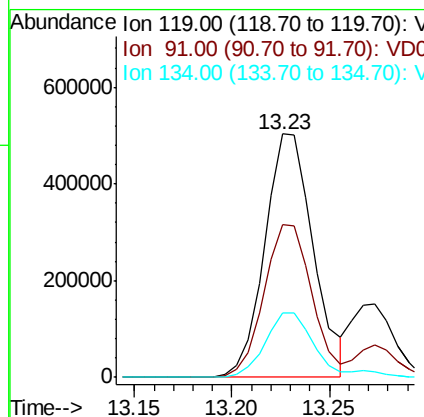
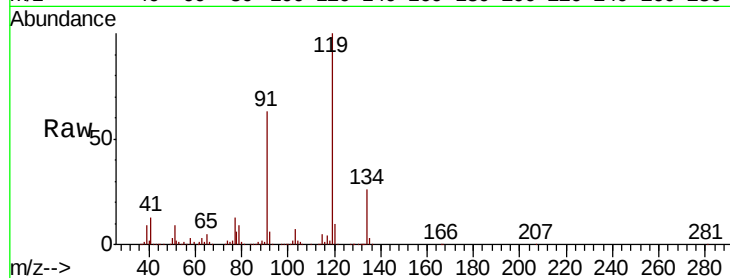
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	867521
Ion Ratio	Lower	Upper	
119	100		
91	61.6	31.2	93.6
134	27.6	13.9	41.7

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#84

1,2,4-Trimethylbenzene

Concen: 54.384 ug/l

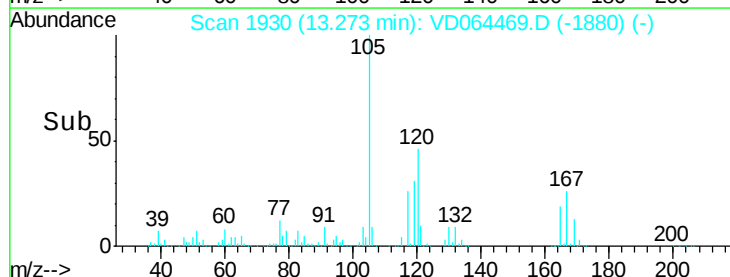
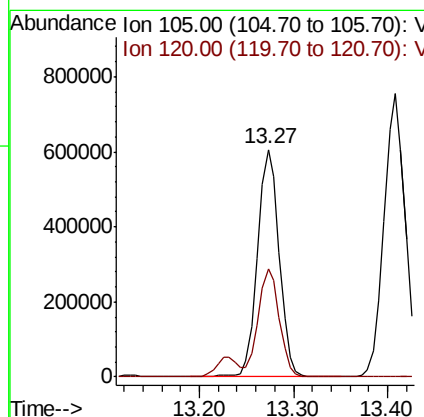
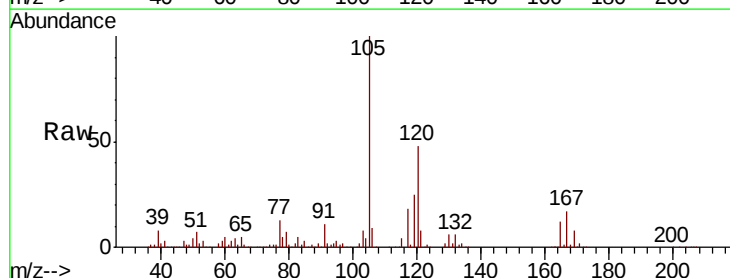
RT: 13.27 min Scan# 1930

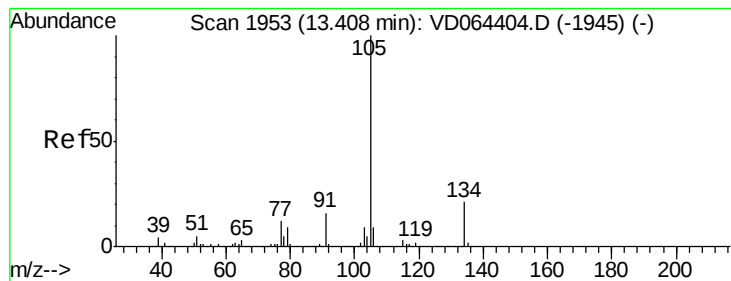
Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Tgt Ion:	105	Resp:	964455
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.6	70.8





#85

sec-Butylbenzene

Concen: 55.749 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1173167

Ion Ratio Lower Upper

105 100

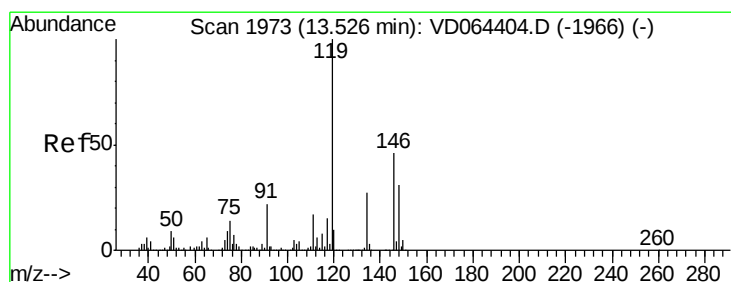
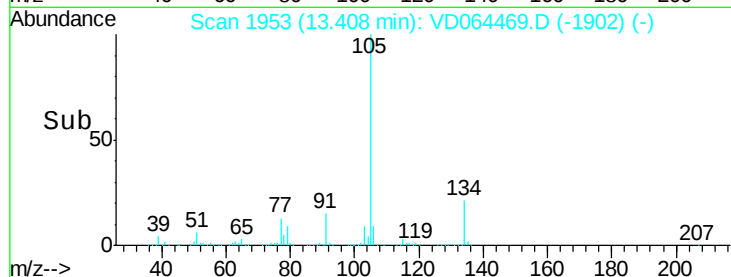
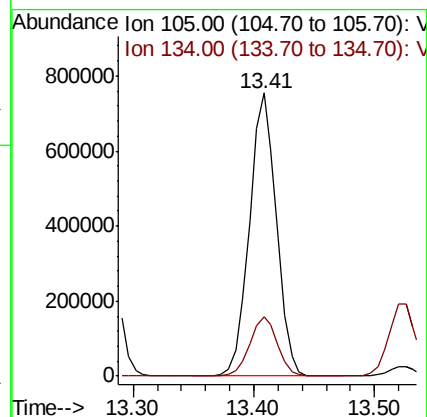
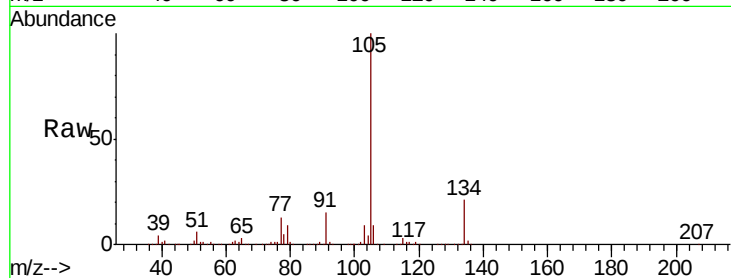
134 21.4 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 56.086 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064469.D

Acq: 09 Dec 2019 11:50

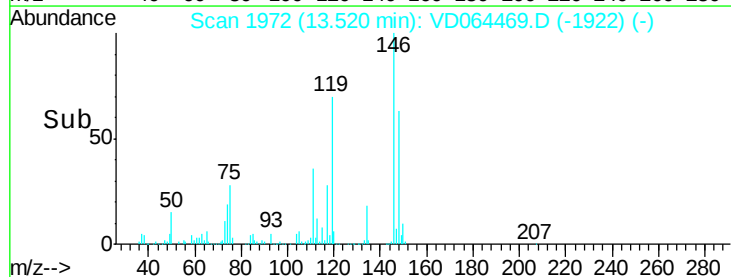
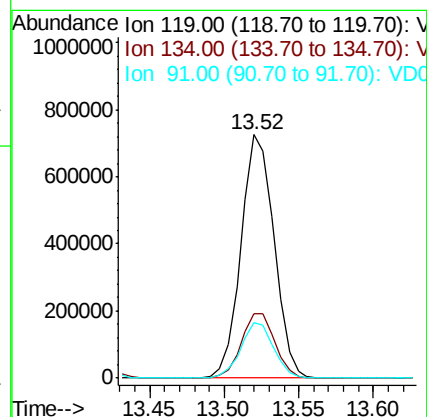
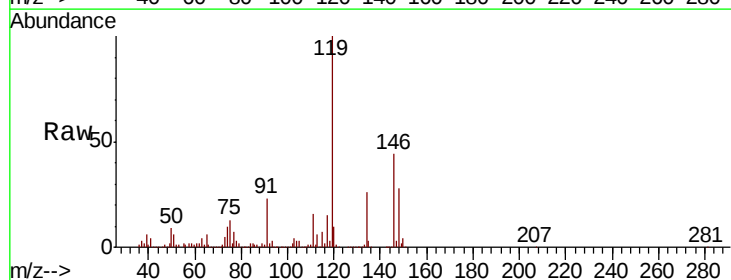
Tgt Ion:119 Resp: 1114280

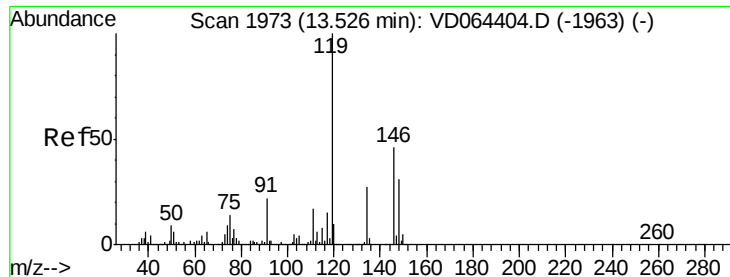
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.5 11.2 33.5





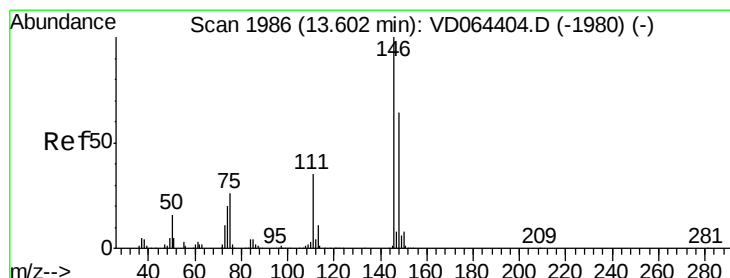
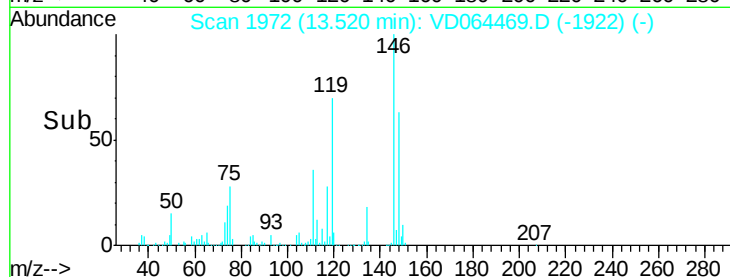
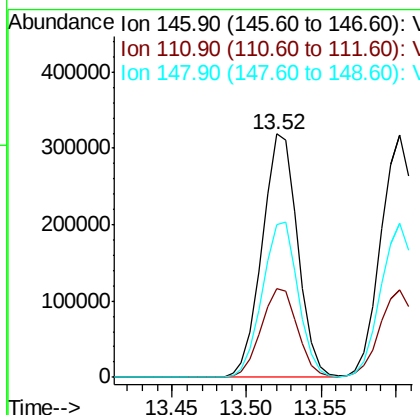
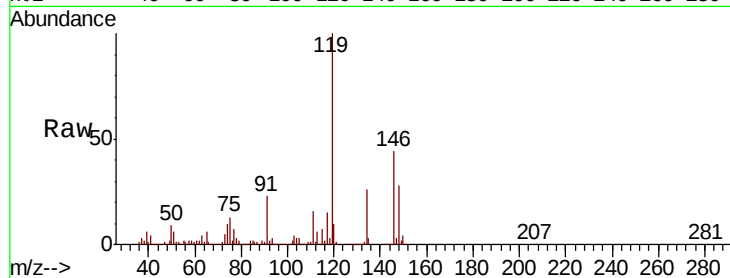
#87
 1,3-Dichlorobenzene
 Concen: 52.078 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.4
148	64.0	32.6	97.8

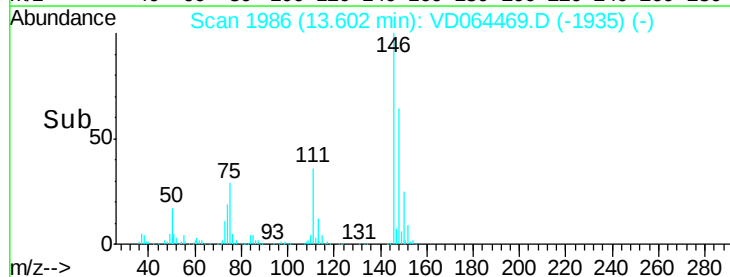
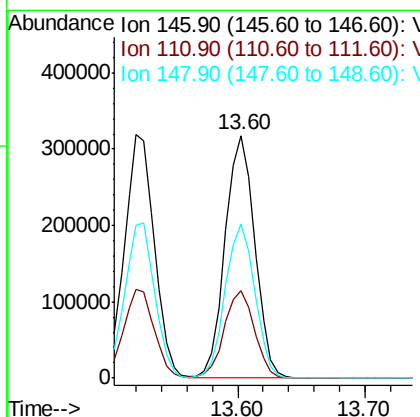
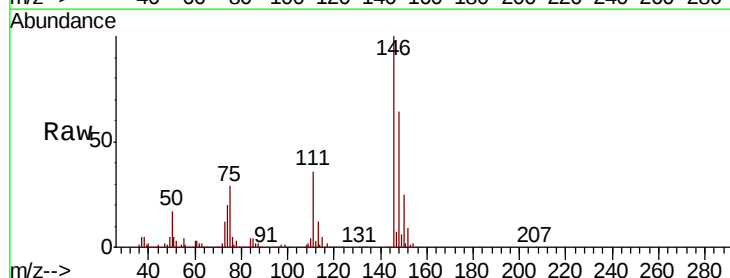
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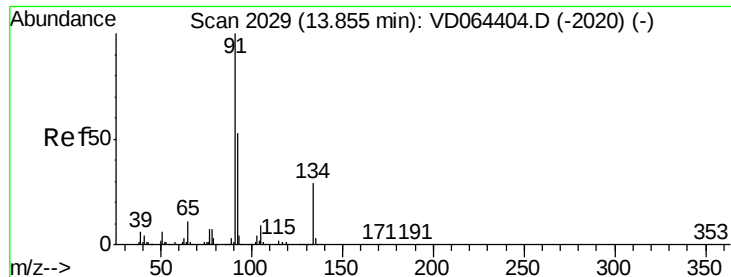
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#88
 1,4-Dichlorobenzene
 Concen: 51.509 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.2	54.6
148	63.5	31.8	95.4





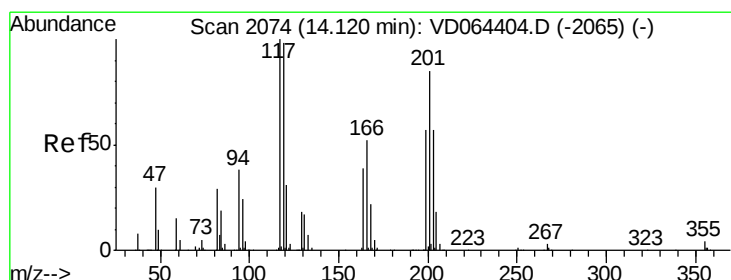
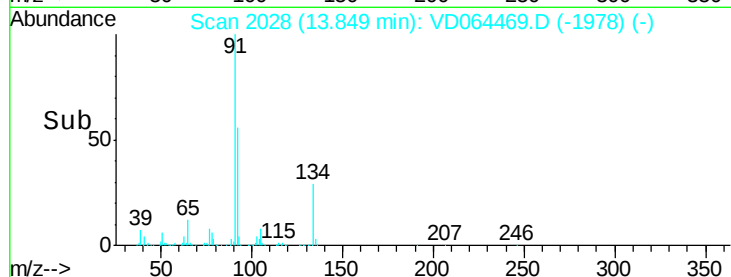
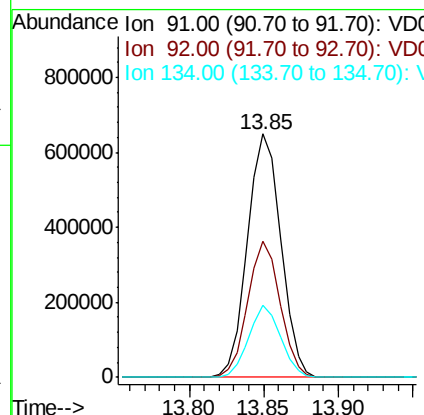
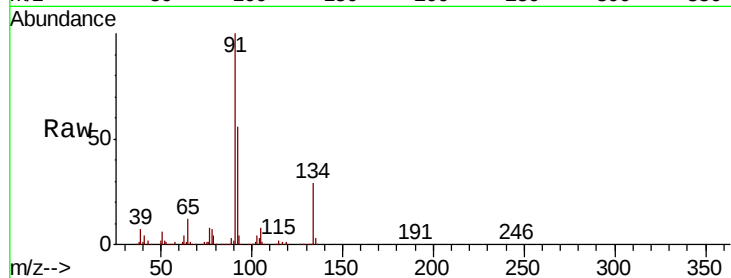
#89
n-Butylbenzene
Concen: 55.720 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.5	79.4
134	28.1	13.9	41.7

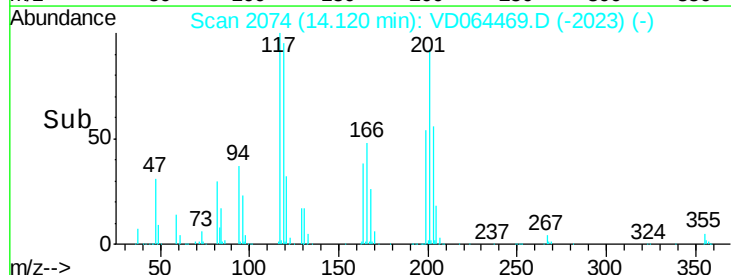
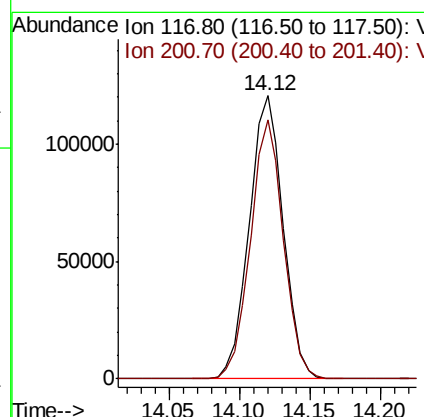
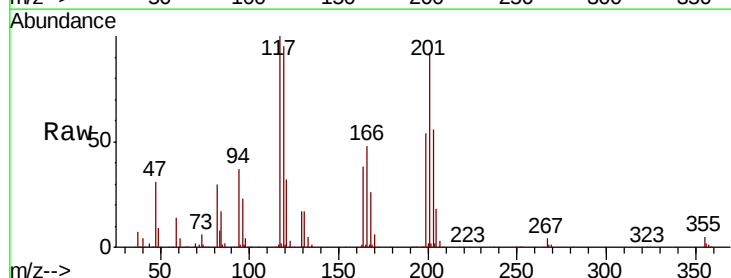
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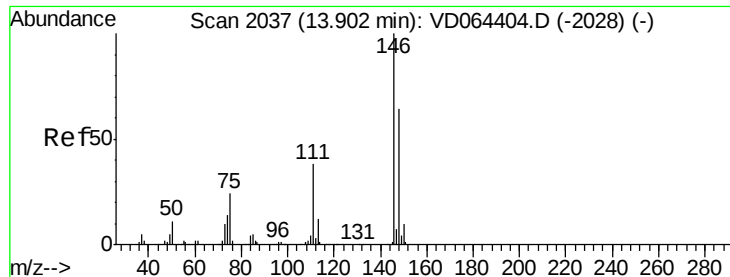
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#90
Hexachloroethane
Concen: 54.780 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.9	44.3	132.8





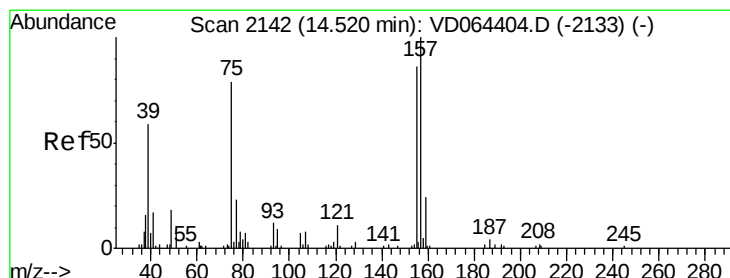
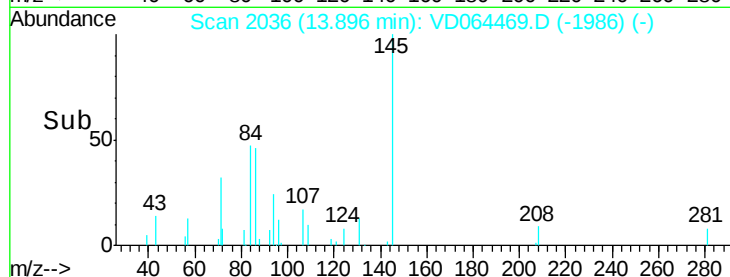
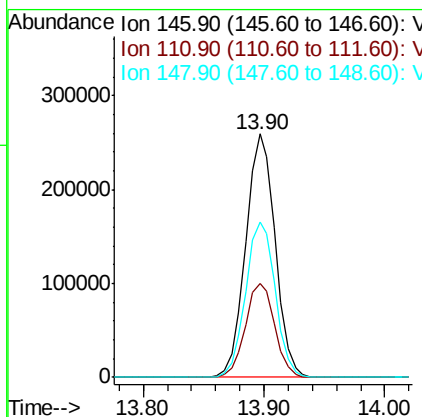
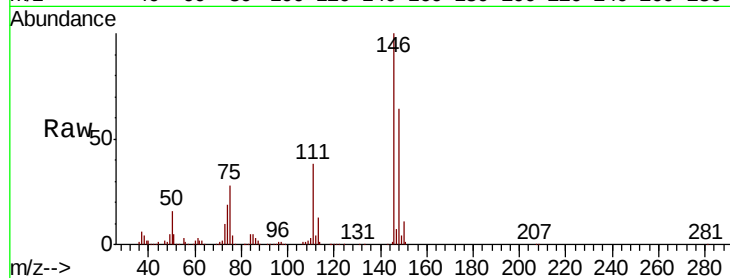
#91
 1,2-Dichlorobenzene
 Concen: 50.819 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.3
148	64.4	32.0	96.0

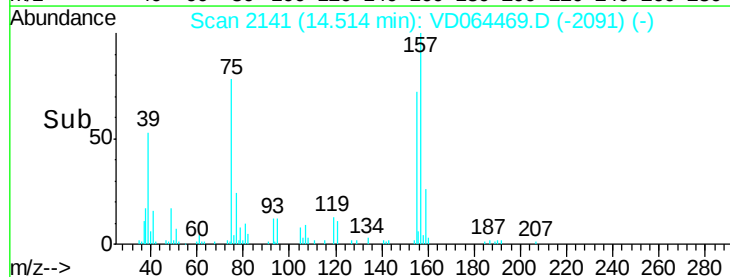
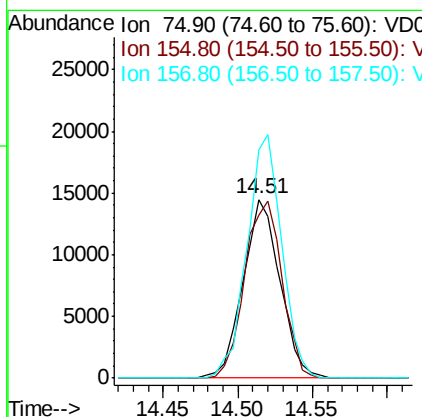
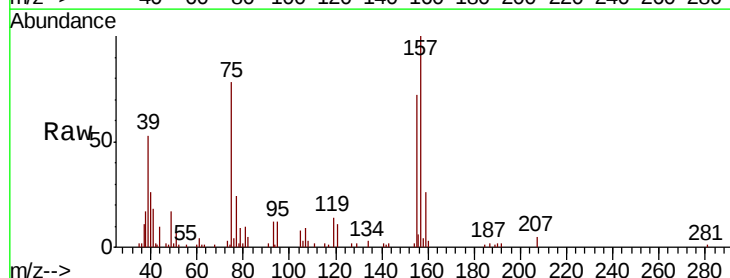
Manual Integrations
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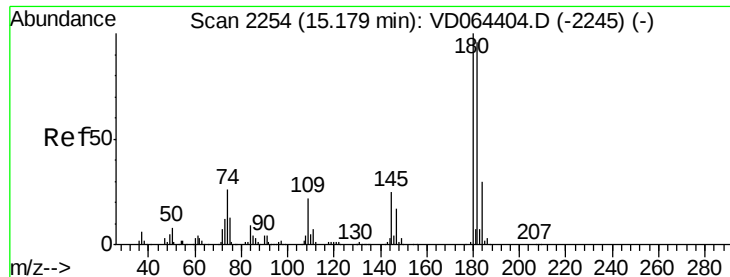
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.005 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	51.9	155.7
157	128.2	63.2	189.8





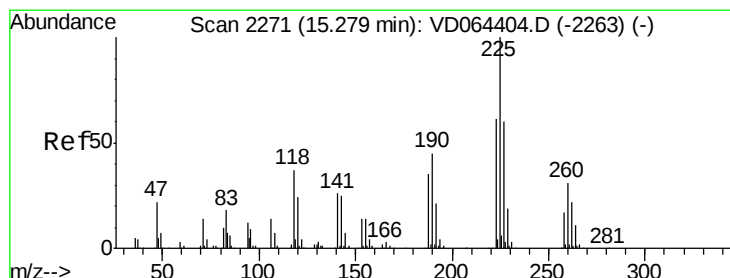
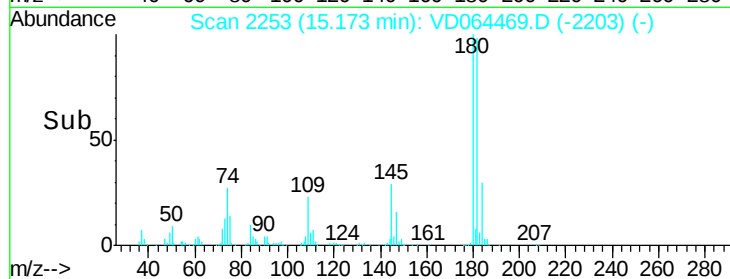
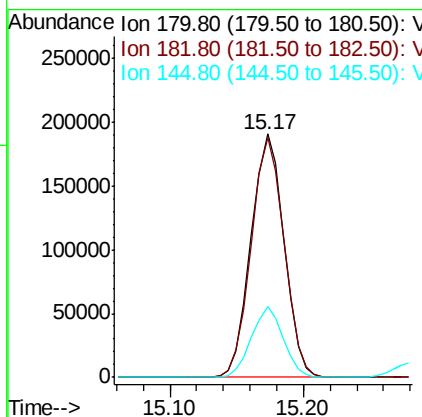
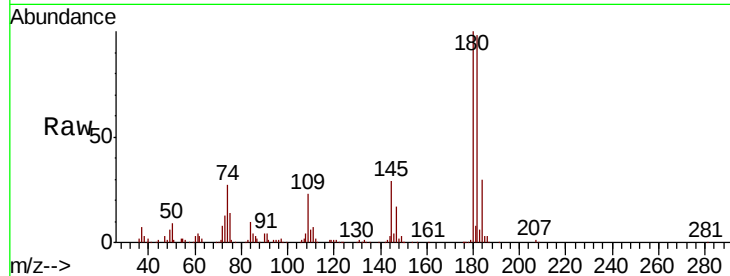
#93
 1,2,4-Trichlorobenzene
 Concen: 49.158 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.0	47.4	142.3	
145	27.8	14.0	41.9	

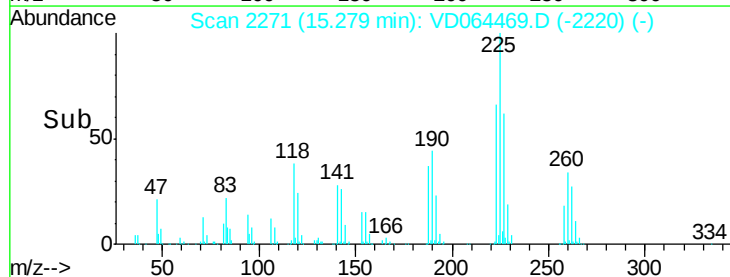
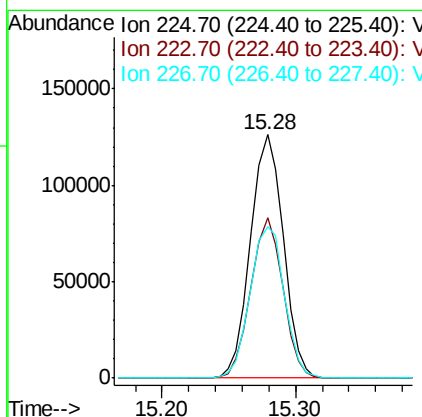
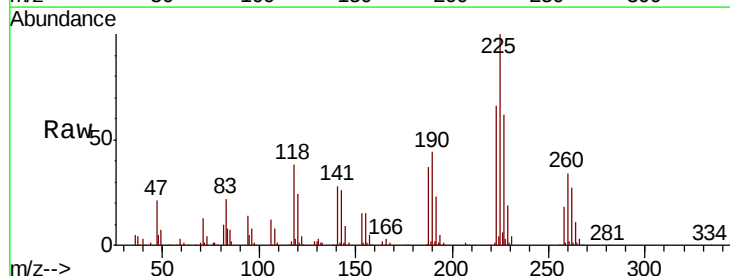
Manual Integrations
 APPROVED

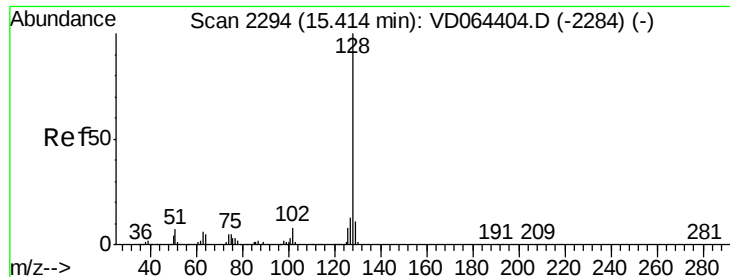
apatel
 12/10/2019 4:06:46 PM



#94
 Hexachlorobutadiene
 Concen: 52.644 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064469.D
 Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.2	31.1	93.3	
227	64.5	31.8	95.4	





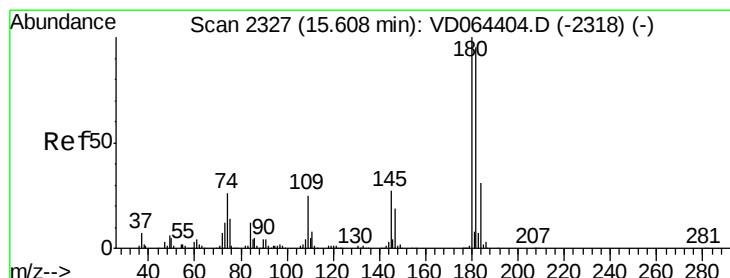
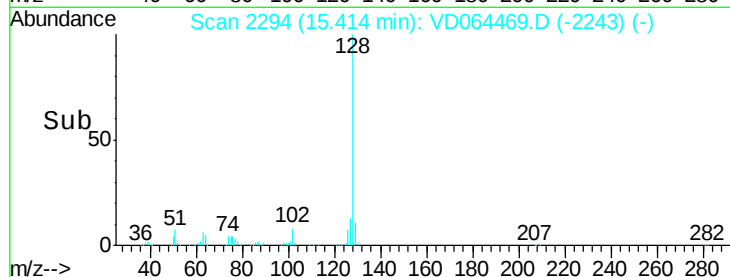
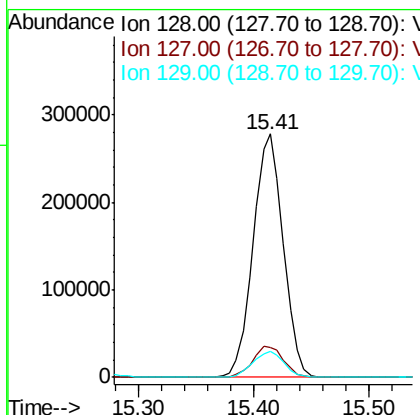
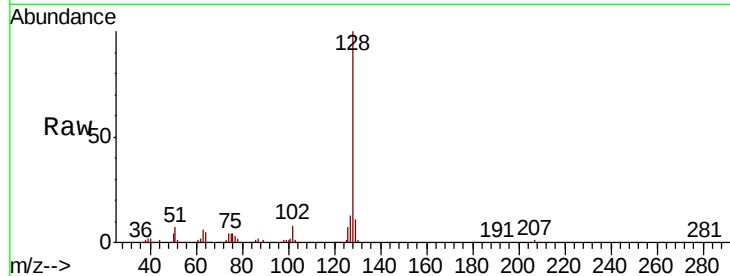
#95
Naphthalene
Concen: 45.650 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.1	8.8	13.2

Manual Integrations
APPROVED

apatel
12/10/2019 4:06:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.116 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064469.D
Acq: 09 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.6	142.9
145	29.4	14.6	43.8

