

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
 Data File : VD064149.D
 Acq On : 01 Nov 2019 13:27
 Operator : VA/SY
 Sample : VD1101SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 11:51:02 AM

Quant Time: Nov 01 18:18:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	208838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	305153	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	301686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	88485	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
35) Dibromofluoromethane	7.91	113	98924	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
50) Toluene-d8	10.34	98	379425	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.64	95	130125	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	45660	21.412	ug/l	96
3) Chloromethane	2.21	50	69783	19.613	ug/l	100
4) Vinyl Chloride	2.35	62	77765	20.155	ug/l	98
5) Bromomethane	2.76	94	53672	21.345	ug/l	99
6) Chloroethane	2.92	64	48644	20.298	ug/l #	85
7) Trichlorofluoromethane	3.27	101	110456	20.796	ug/l	99
8) Diethyl Ether	3.71	74	17349	18.791	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	39014	20.382	ug/l	97
10) Methyl Iodide	4.28	142	47190	19.899	ug/l	98
11) Tert butyl alcohol	5.24	59	9958m	107.806	ug/l	
12) 1,1-Dichloroethene	4.06	96	38721	21.374	ug/l	85
13) Acrolein	3.91	56	9283	87.656	ug/l	100
14) Allyl chloride	4.71	41	43875	20.693	ug/l	98
15) Acrylonitrile	5.43	53	34646	101.591	ug/l	98
16) Acetone	4.17	43	32592	103.133	ug/l	93
17) Carbon Disulfide	4.40	76	112388	20.188	ug/l	99
18) Methyl Acetate	4.73	43	16776	19.957	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	72541	19.734	ug/l	93
20) Methylene Chloride	4.96	84	55962	25.742	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	44527	21.896	ug/l	95
22) Diisopropyl ether	6.37	45	94340	20.090	ug/l	93
23) Vinyl Acetate	6.31	43	264219	102.649	ug/l	97
24) 1,1-Dichloroethane	6.27	63	66118	20.851	ug/l	97
25) 2-Butanone	7.22	43	42756	97.866	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	60672	20.159	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	44626	19.611	ug/l	97
28) Bromochloromethane	7.56	49	18356	16.433	ug/l	96
29) Tetrahydrofuran	7.57	42	25711	100.838	ug/l	97
30) Chloroform	7.72	83	73945	20.379	ug/l	95
31) Cyclohexane	7.99	56	57139	18.496	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	71576	21.191	ug/l	95
36) 1,1-Dichloropropene	8.12	75	58902	20.600	ug/l	96
37) Ethyl Acetate	7.30	43	20295	23.060	ug/l #	97
38) Carbon Tetrachloride	8.10	117	62618	20.071	ug/l	92

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 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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Manual Integrations
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MMDadoda
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Quant Time: Nov 01 18:18:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	69967	19.933	ug/l	87
40) Benzene	8.36	78	160538	20.589	ug/l	95
41) Methacrylonitrile	7.54	41	11673	22.982	ug/l	92
42) 1,2-Dichloroethane	8.43	62	44080	21.401	ug/l	99
43) Isopropyl Acetate	8.46	43	35299	19.846	ug/l #	90
44) Trichloroethene	9.11	130	48753	20.629	ug/l	94
45) 1,2-Dichloropropane	9.39	63	36304	20.090	ug/l	97
46) Dibromomethane	9.48	93	21229	19.506	ug/l	91
47) Bromodichloromethane	9.67	83	57158	20.818	ug/l	95
48) Methyl methacrylate	9.46	41	18525	22.522	ug/l	94
49) 1,4-Dioxane	9.47	88	5382	432.021	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	99330	102.581	ug/l	95
52) Toluene	10.41	92	112988	20.677	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	52645	20.541	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	60429	20.041	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	32012	20.746	ug/l #	88
56) Ethyl methacrylate	10.67	69	34022	20.064	ug/l	98
57) 1,3-Dichloropropane	10.95	76	50777	19.898	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	70635	104.489	ug/l	95
59) 2-Hexanone	10.99	43	67451	94.672	ug/l	99
60) Dibromochloromethane	11.15	129	44400	21.200	ug/l	95
61) 1,2-Dibromoethane	11.25	107	31426	20.363	ug/l	94
64) Tetrachloroethene	10.88	164	44476	20.521	ug/l	93
65) Chlorobenzene	11.67	112	129072	20.706	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	47118	20.201	ug/l	98
67) Ethyl Benzene	11.75	91	217221	19.592	ug/l	98
68) m/p-Xylenes	11.86	106	178940	40.125	ug/l	98
69) o-Xylene	12.18	106	79910	19.634	ug/l	95
70) Styrene	12.20	104	139745	19.908	ug/l	99
71) Bromoform	12.37	173	25878	20.774	ug/l #	99
73) Isopropylbenzene	12.48	105	218875	19.546	ug/l	96
74) N-amyl acetate	12.29	43	35511	19.089	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	35393	20.053	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	27612m	25.501	ug/l	
77) Bromobenzene	12.77	156	56119	20.757	ug/l	98
78) n-propylbenzene	12.83	91	264556	20.160	ug/l	100
79) 2-Chlorotoluene	12.91	91	140326	19.949	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	189706	20.243	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	10521	19.844	ug/l	92
82) 4-Chlorotoluene	13.01	91	149689	19.915	ug/l	99
83) tert-Butylbenzene	13.23	119	161789	19.221	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	186445	19.804	ug/l	99
85) sec-Butylbenzene	13.41	105	227446	19.676	ug/l	98
86) p-Isopropyltoluene	13.52	119	211691	19.491	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	110441	20.384	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	112606	21.083	ug/l	99
89) n-Butylbenzene	13.85	91	195311	19.497	ug/l	99
90) Hexachloroethane	14.12	117	40070	19.706	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	95080	20.391	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5960	23.121	ug/l	82

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ClientSampleId :
VD1101SBSD01

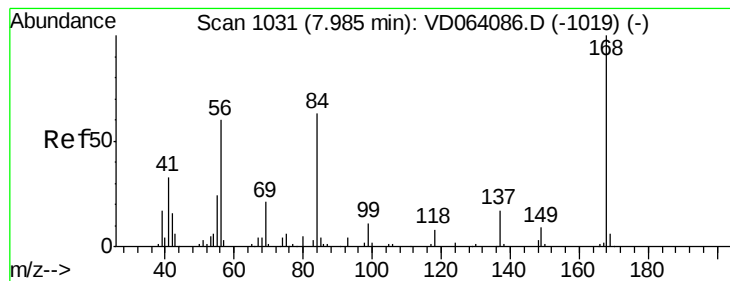
Manual Integrations
APPROVED

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11/4/2019 11:51:02 AM

Quant Time: Nov 01 18:18:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	68394	20.406	ug/l	99
94) Hexachlorobutadiene	15.28	225	41534	21.203	ug/l	98
95) Naphthalene	15.41	128	111886	20.469	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	56729	19.540	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

Tgt Ion: 168 Resp: 208838

Ion Ratio Lower Upper

168 100

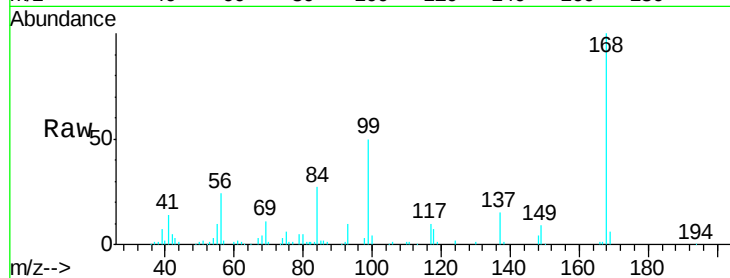
99 49.5 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

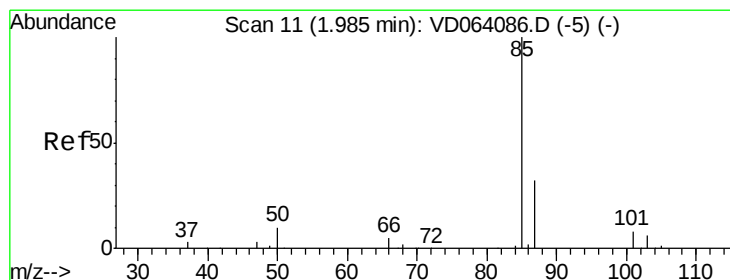
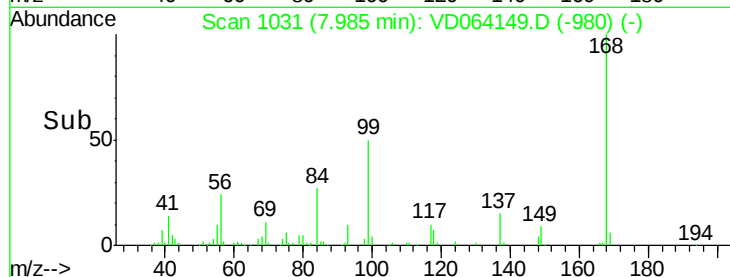
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.412 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064149.D

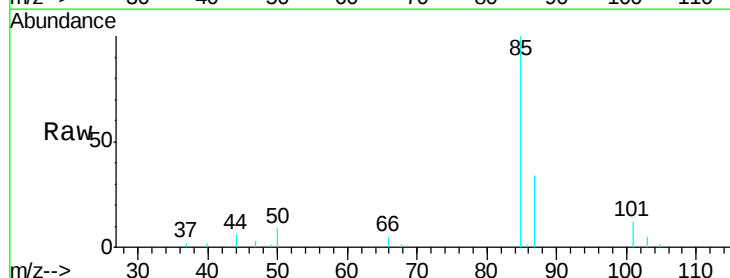
Acq: 01 Nov 2019 13:27

Tgt Ion: 85 Resp: 45660

Ion Ratio Lower Upper

85 100

87 33.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

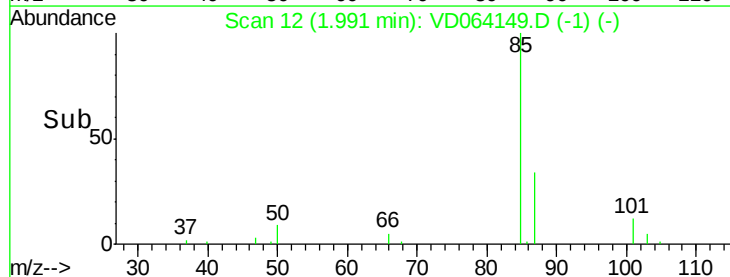
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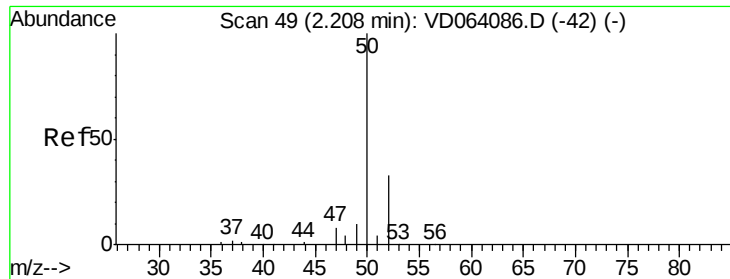
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.613 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

Tgt Ion: 50 Resp: 69783

Ion Ratio Lower Upper

50 100

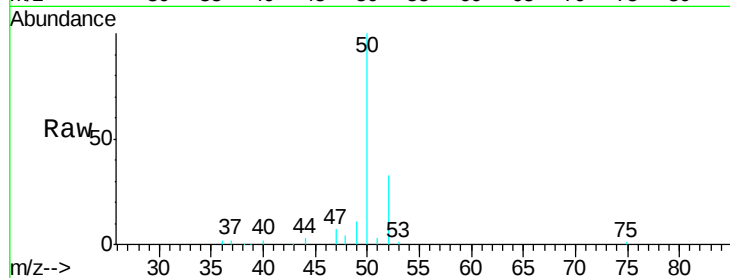
52 33.3 26.5 39.7

Manual Integrations

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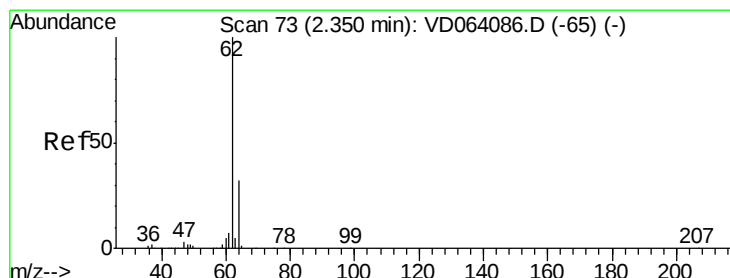
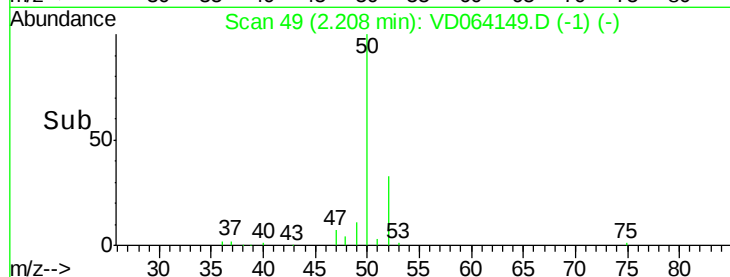
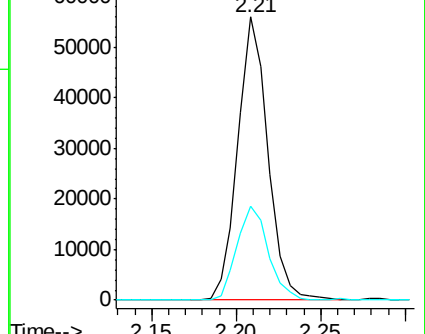
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.155 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064149.D

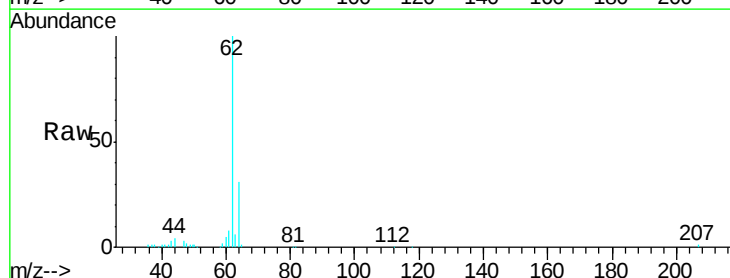
Acq: 01 Nov 2019 13:27

Tgt Ion: 62 Resp: 77765

Ion Ratio Lower Upper

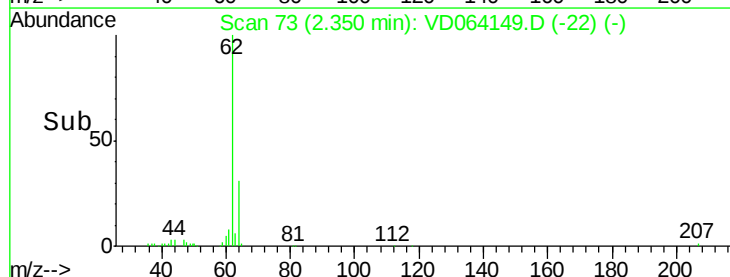
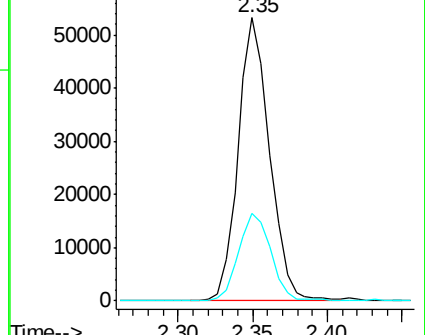
62 100

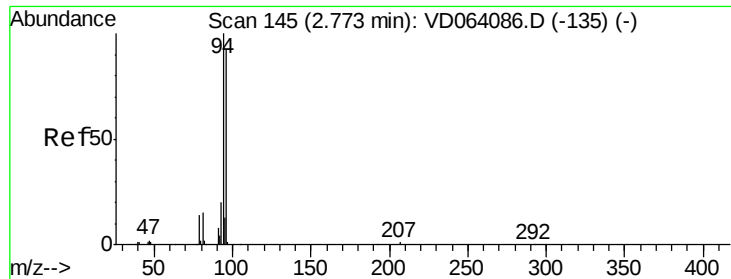
64 31.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.345 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tgt Ion: 94 Resp: 53672

Ion Ratio Lower Upper

94 100

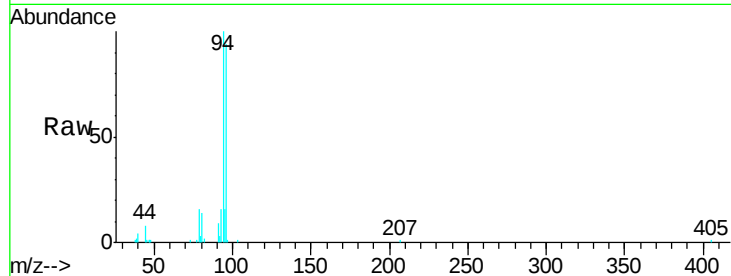
96 93.8 73.9 110.9

Manual Integrations

APPROVED

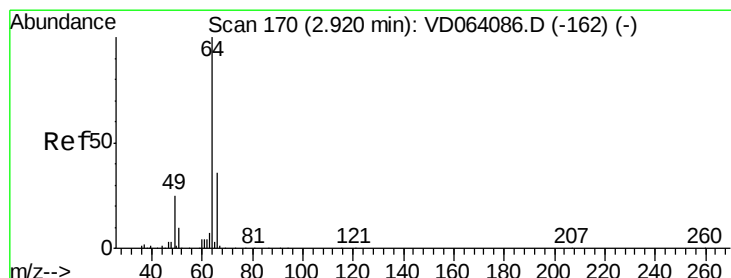
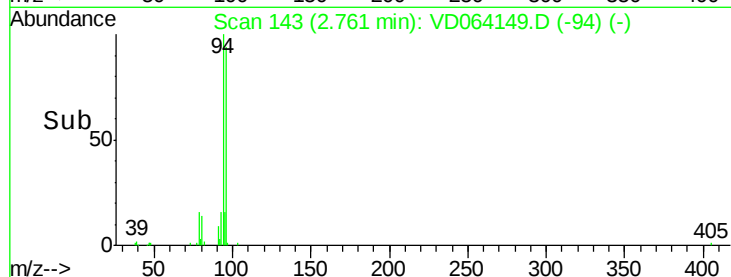
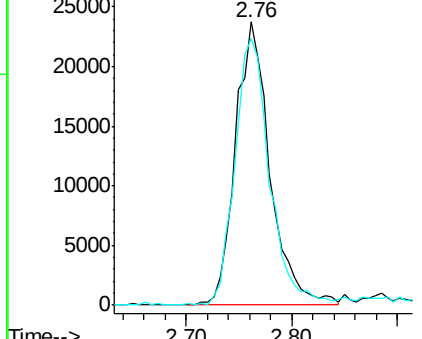
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.298 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064149.D

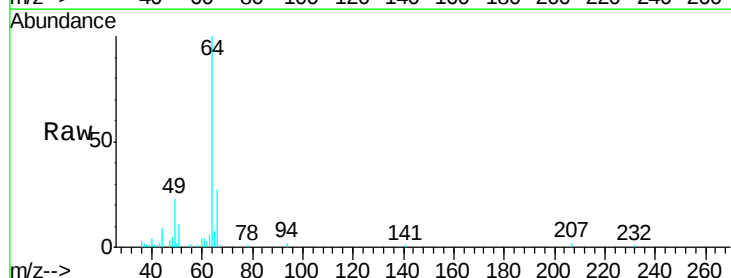
Acq: 01 Nov 2019 13:27

Tgt Ion: 64 Resp: 48644

Ion Ratio Lower Upper

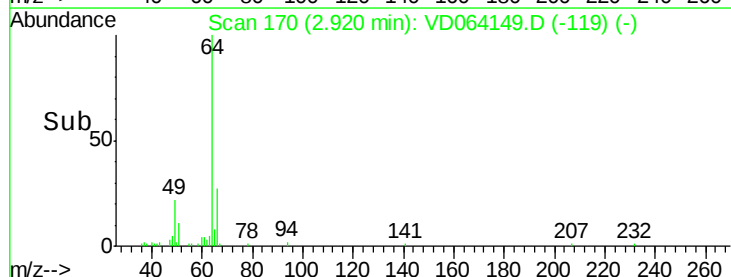
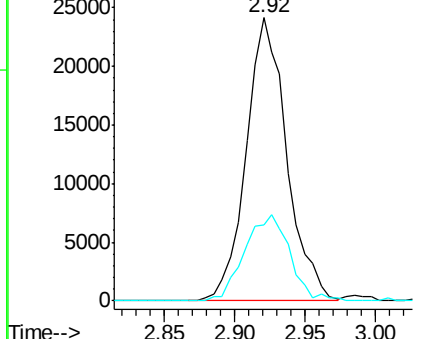
64 100

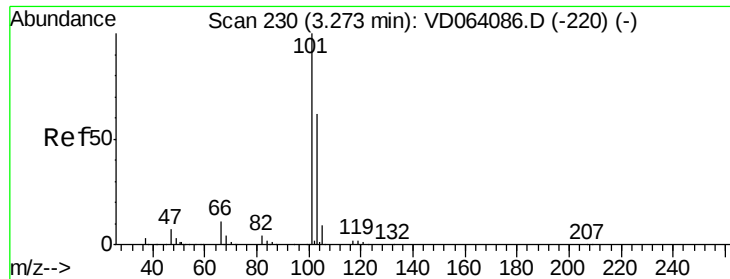
66 27.1 28.7 43.1#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

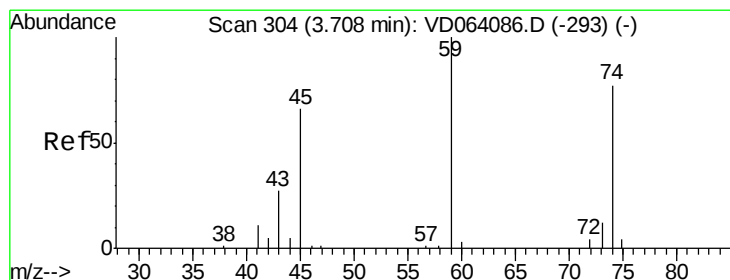
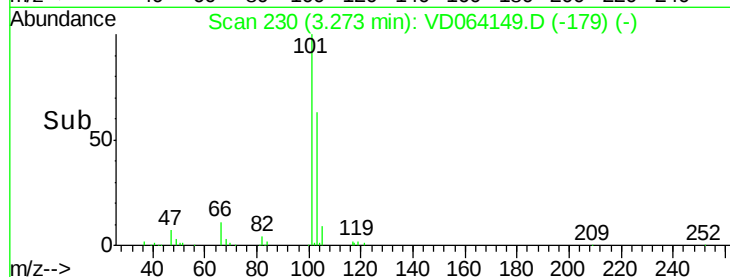
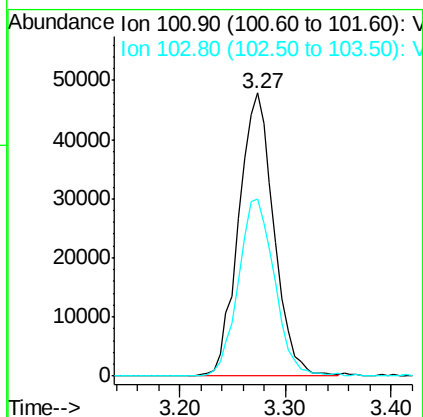
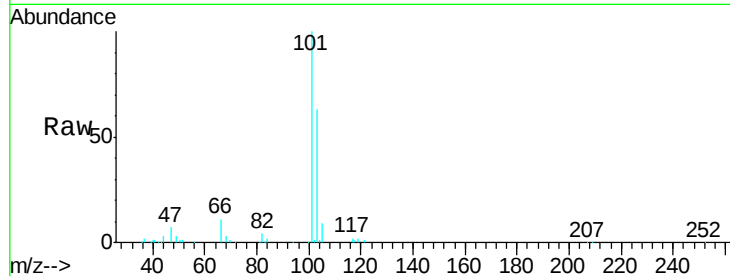
Trichlorofluoromethane
Concen: 20.796 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tgt Ion: 101 Resp: 110456
Ion Ratio Lower Upper
101 100
103 62.6 49.6 74.4

Manual Integrations
APPROVED

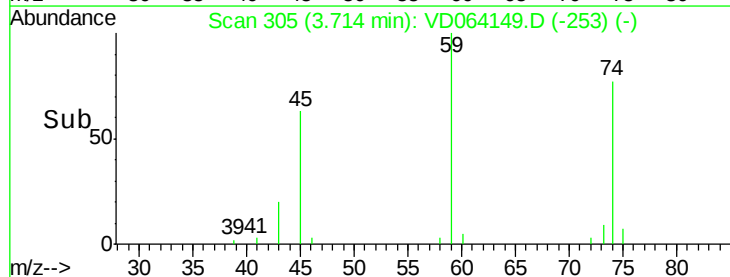
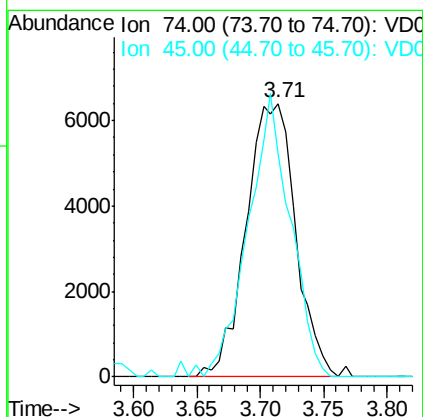
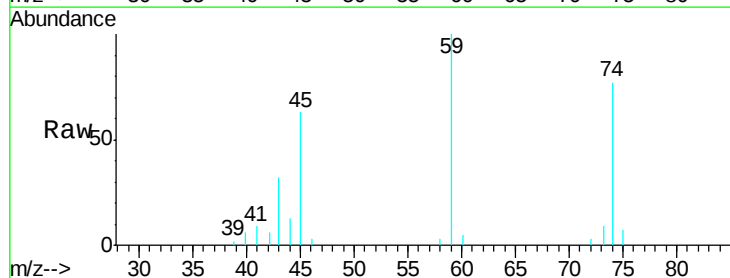
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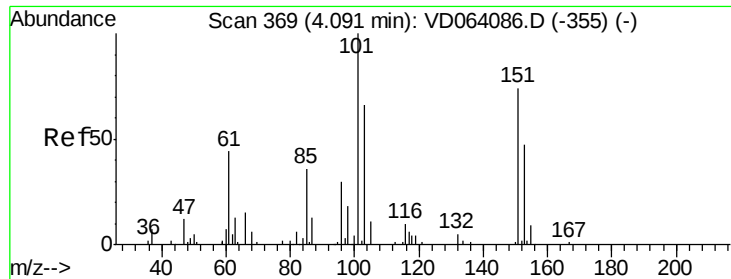


#8

Diethyl Ether
Concen: 18.791 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 74 Resp: 17349
Ion Ratio Lower Upper
74 100
45 88.4 44.1 132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.382 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

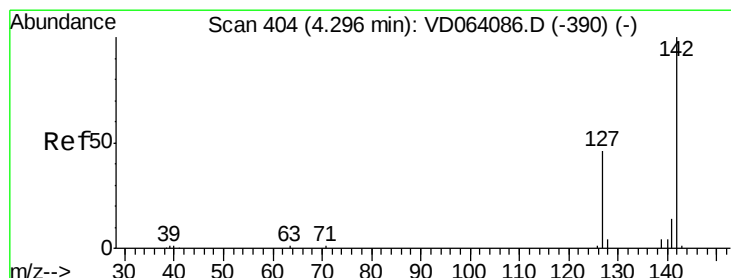
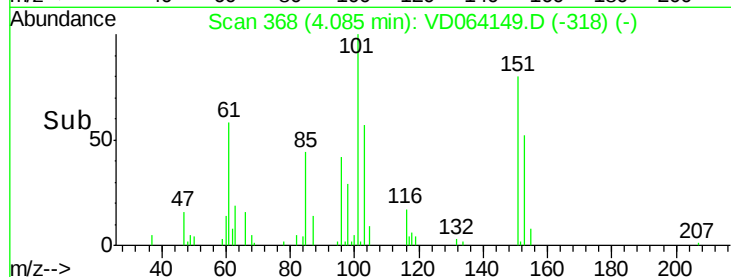
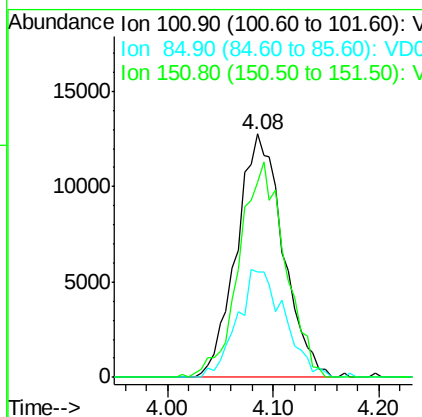
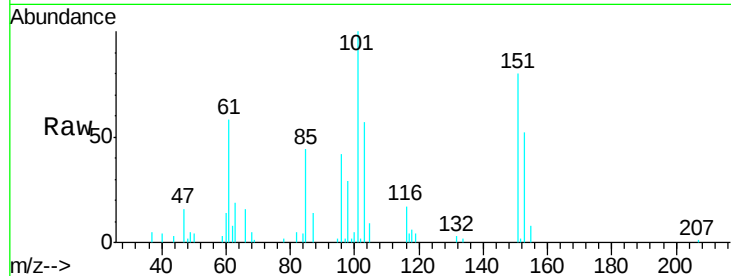
ClientSampleId :

VD1101SBS01

Tgt Ion:	101	Resp:	39014
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.3	52.9
151	87.0	67.0	100.6

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#10

Methyl Iodide

Concen: 19.899 ug/l

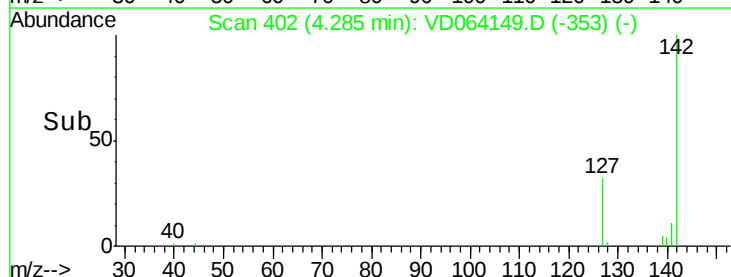
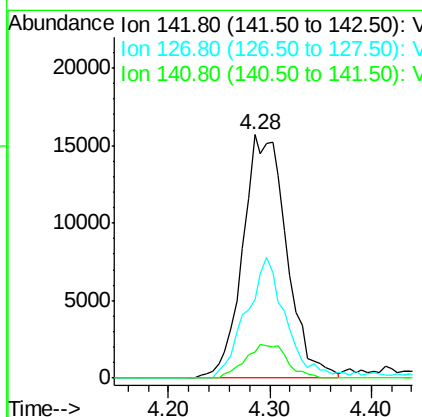
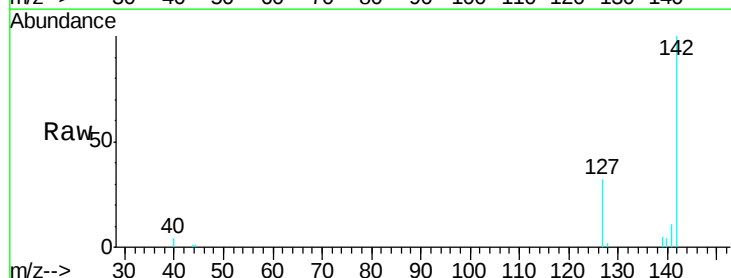
RT: 4.28 min Scan# 402

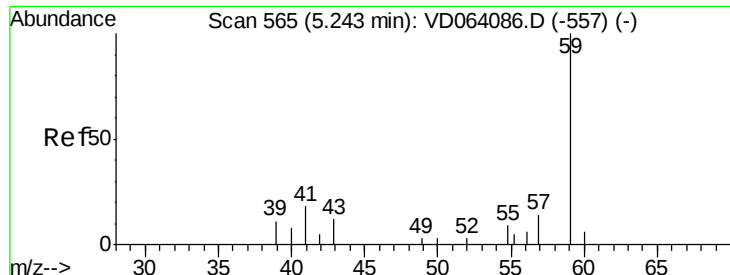
Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Tgt Ion:	142	Resp:	47190
Ion Ratio	Lower	Upper	
142	100		
127	44.5	35.1	52.7
141	13.1	11.6	17.4





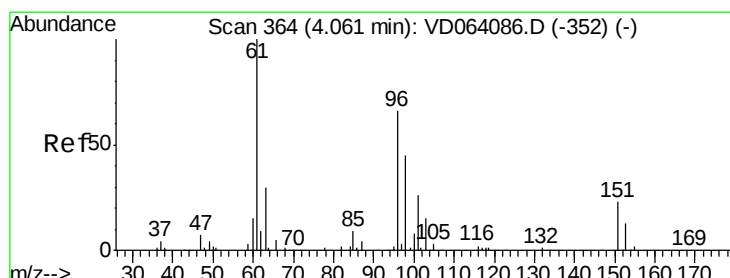
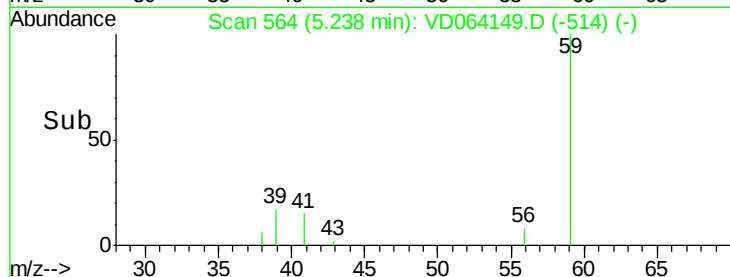
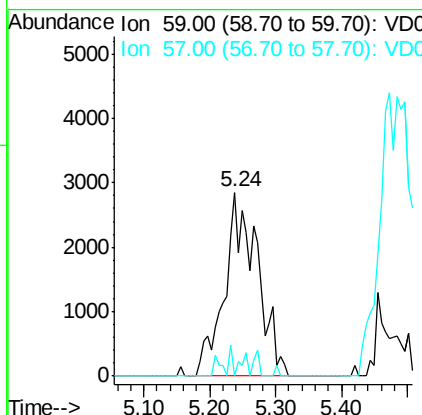
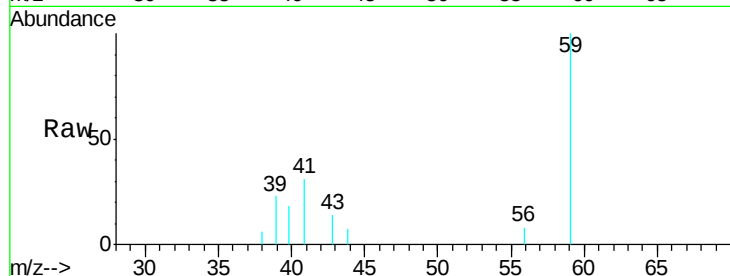
#11
Tert butyl alcohol
Concen: 107.806 ug/l m
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tgt Ion: 59 Resp: 9958
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

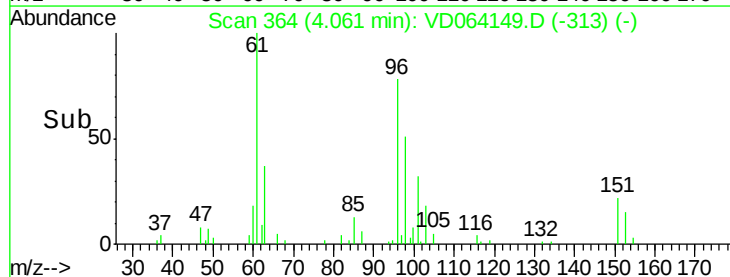
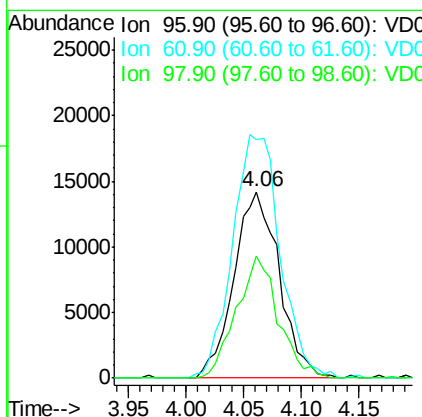
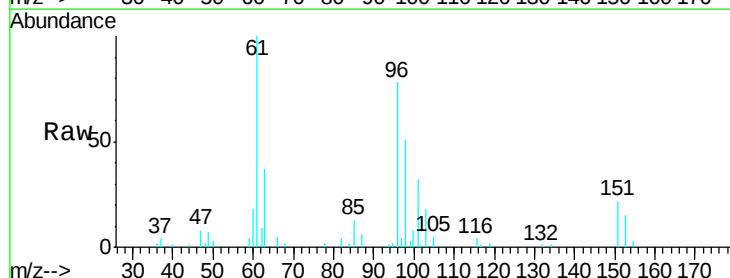
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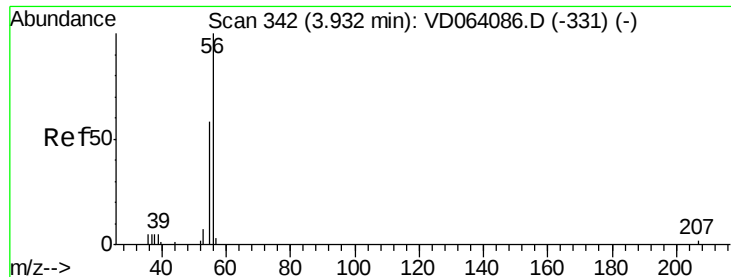
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.374 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 96 Resp: 38721
Ion Ratio Lower Upper
96 100
61 127.8 121.8 182.6
98 65.3 55.4 83.0





#13

Acrolein

Concen: 87.656 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.02 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tgt Ion: 56 Resp: 9283

Ion Ratio Lower Upper

56 100

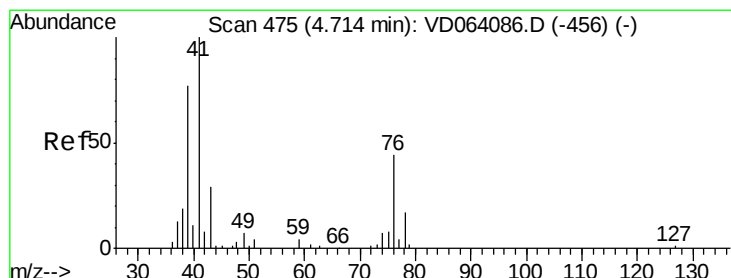
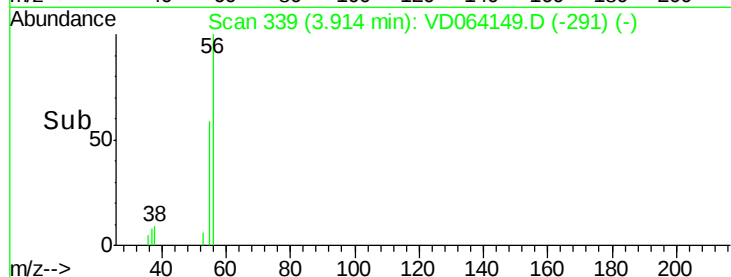
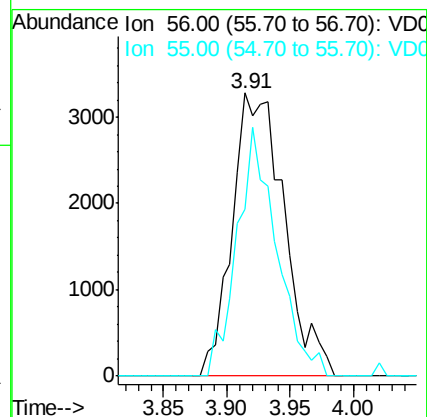
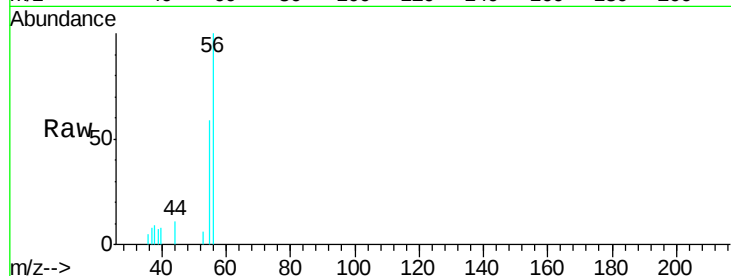
55 67.3 53.8 80.6

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#14

Allyl chloride

Concen: 20.693 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

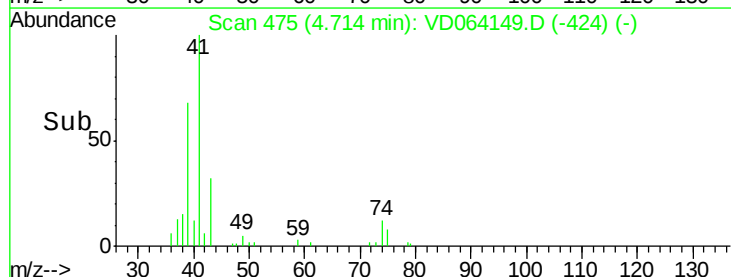
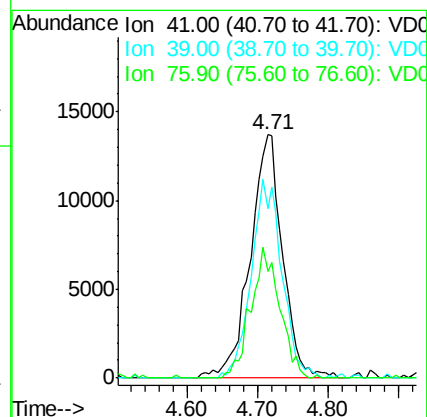
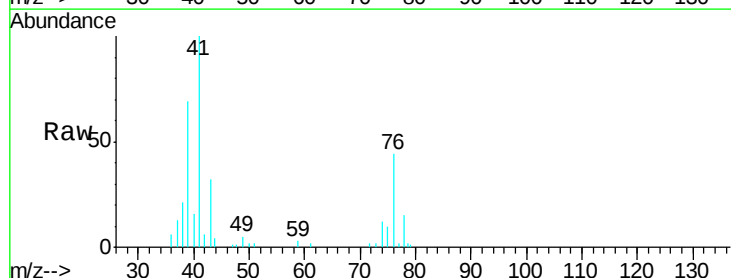
Tgt Ion: 41 Resp: 43875

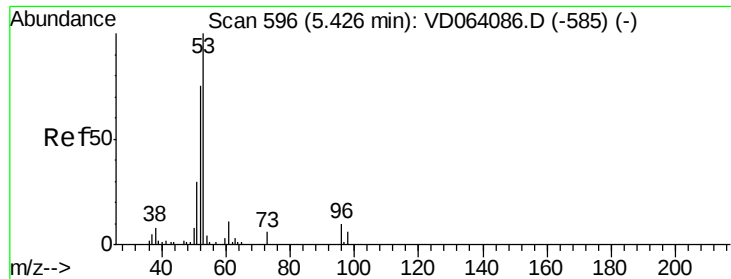
Ion Ratio Lower Upper

41 100

39 77.2 61.5 92.3

76 47.8 36.2 54.4





#15

Acrylonitrile

Concen: 101.591 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

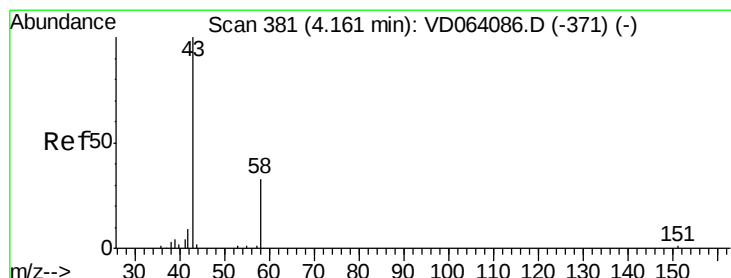
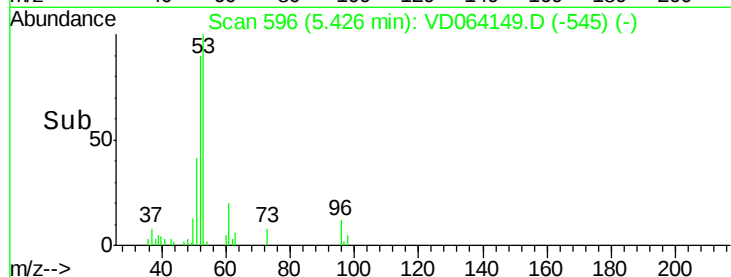
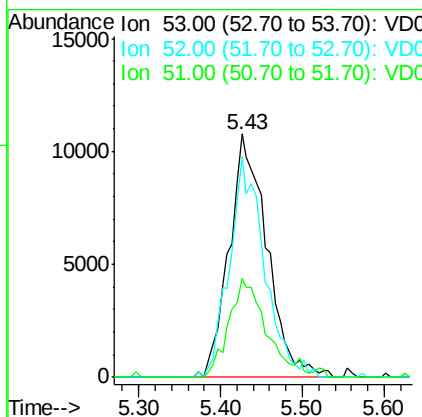
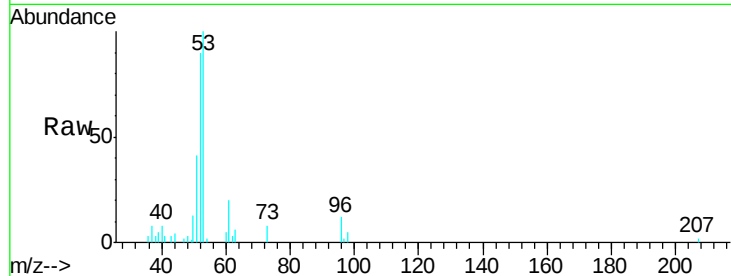
ClientSampleId :

VD1101SBSD01

Tgt Ion:	53	Resp:	34646
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.4
51	40.3	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 103.133 ug/l

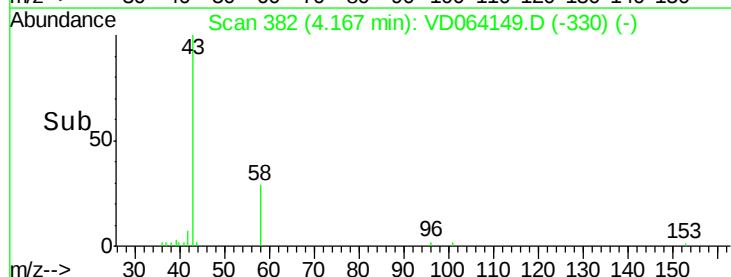
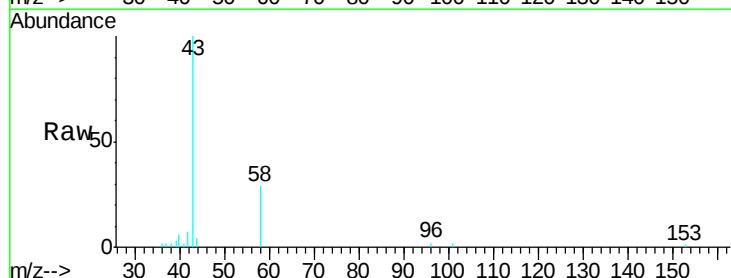
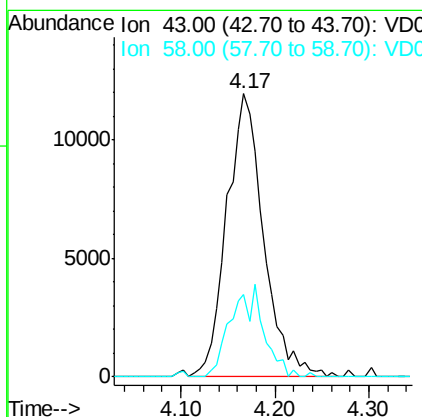
RT: 4.17 min Scan# 382

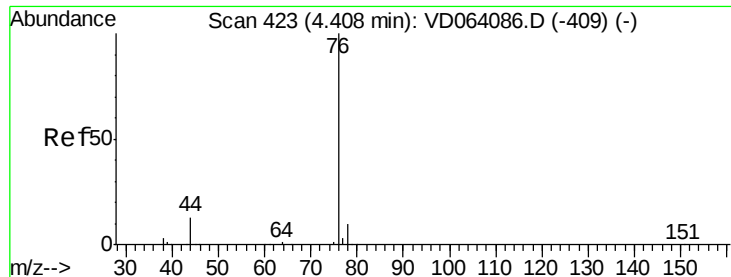
Delta R.T. 0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Tgt Ion:	43	Resp:	32592
Ion	Ratio	Lower	Upper
43	100		
58	28.9	26.3	39.5





#17

Carbon Disulfide

Concen: 20.188 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

Tgt Ion: 76 Resp: 112388

Ion Ratio Lower Upper

76 100

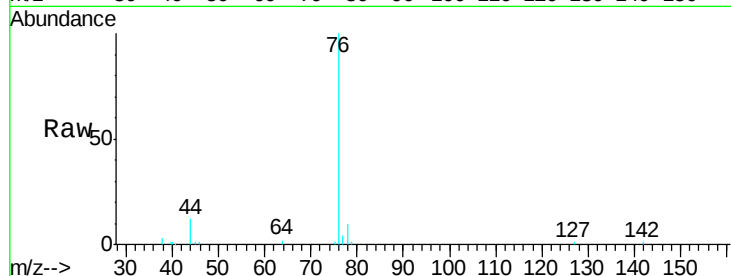
78 9.7 8.1 12.1

Manual Integrations

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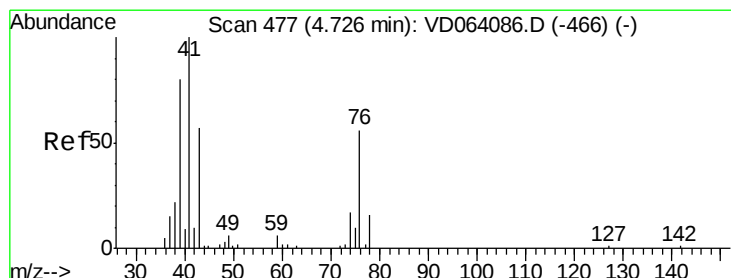
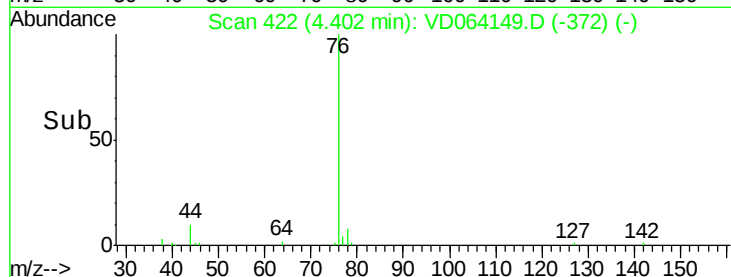
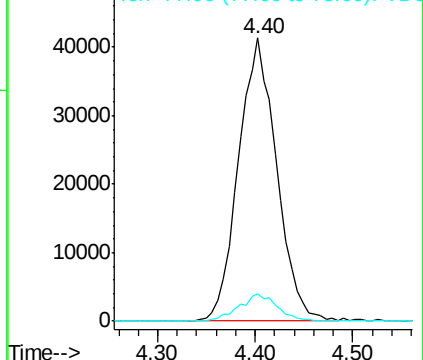
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.957 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD064149.D

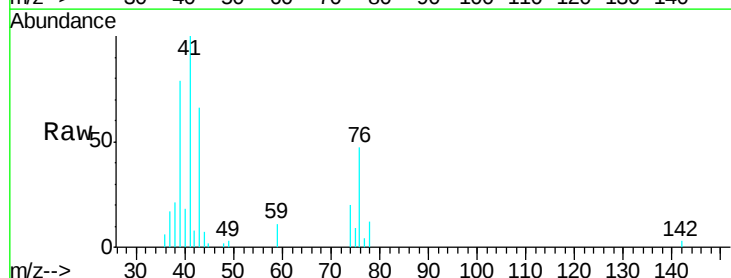
Acq: 01 Nov 2019 13:27

Tgt Ion: 43 Resp: 16776

Ion Ratio Lower Upper

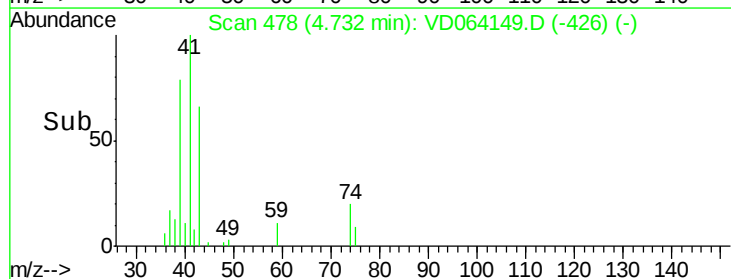
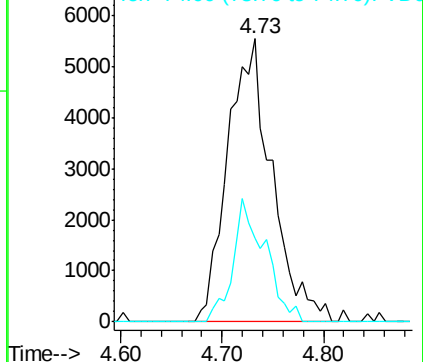
43 100

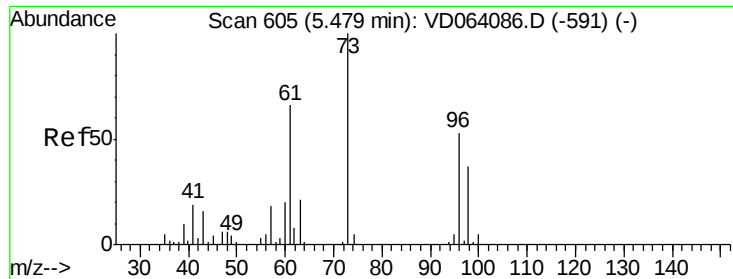
74 31.7 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

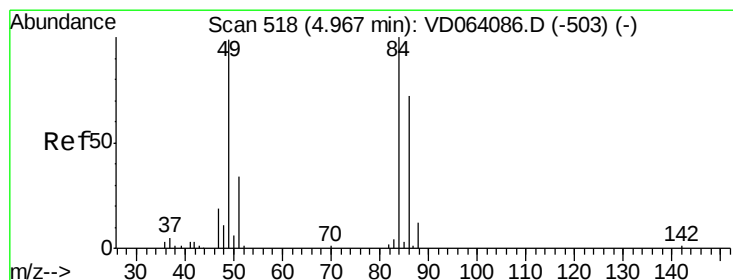
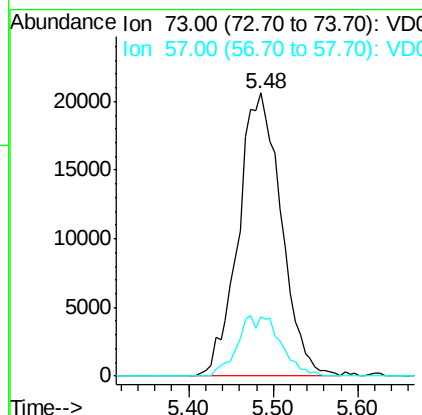
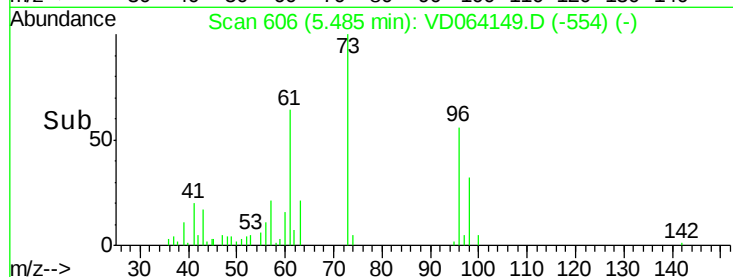
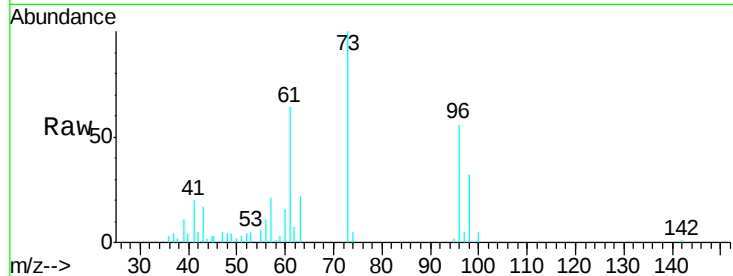
Methyl tert-butyl Ether
Concen: 19.734 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tgt Ion: 73 Resp: 72541
Ion Ratio Lower Upper
73 100
57 21.0 14.3 21.5

Manual Integrations
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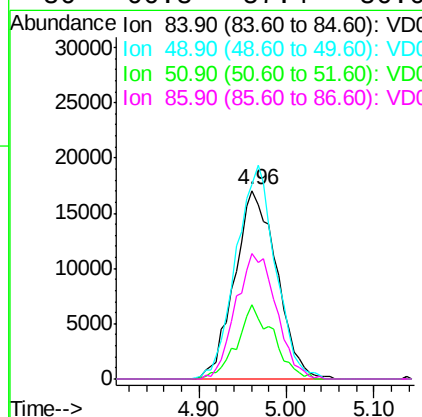
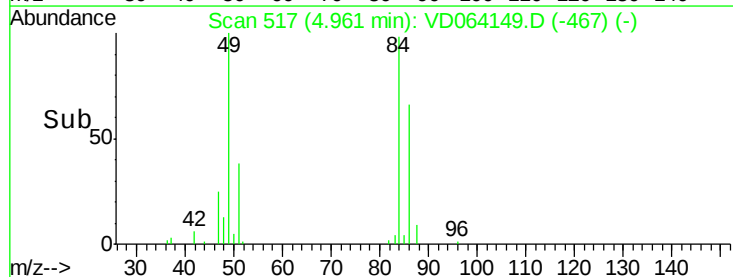
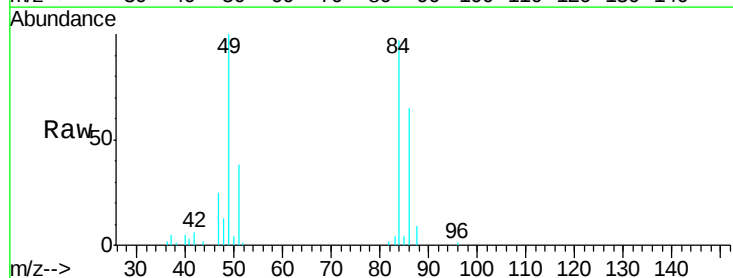
MMDadoda
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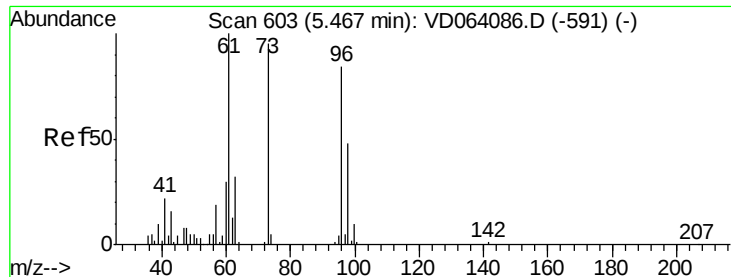


#20

Methylene Chloride
Concen: 25.742 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 84 Resp: 55962
Ion Ratio Lower Upper
84 100
49 103.1 79.4 119.0
51 39.1 27.4 41.2
86 66.8 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 21.896 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

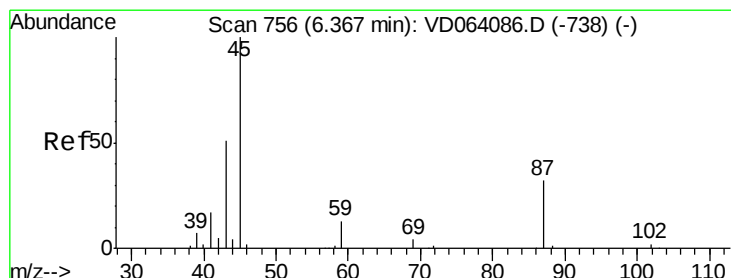
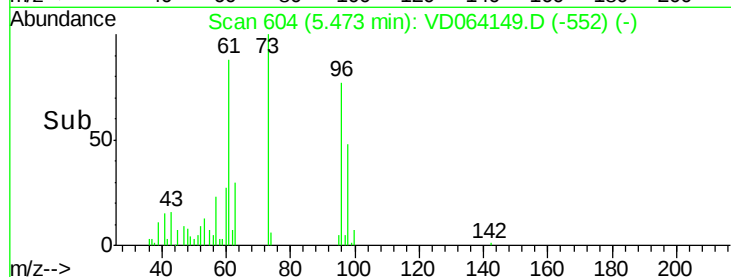
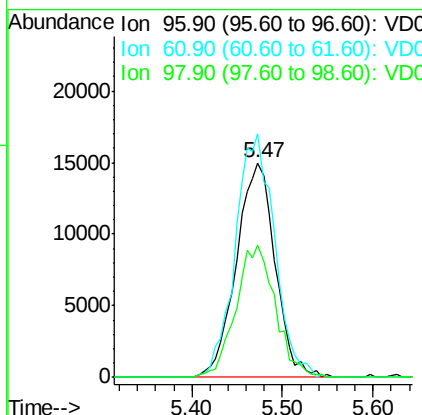
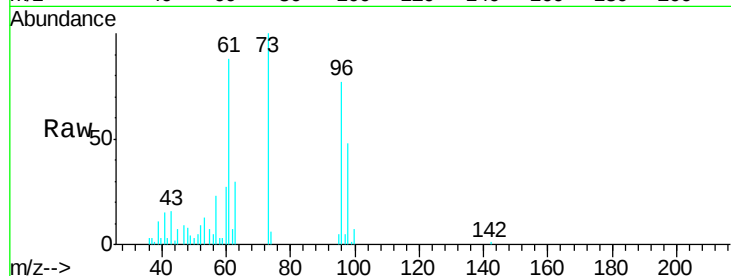
ClientSampleId :

VD1101SBS01

Tgt Ion:	96	Resp:	44527
Ion	Ratio	Lower	Upper
96	100		
61	113.7	95.0	142.6
98	61.7	45.8	68.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.090 ug/l

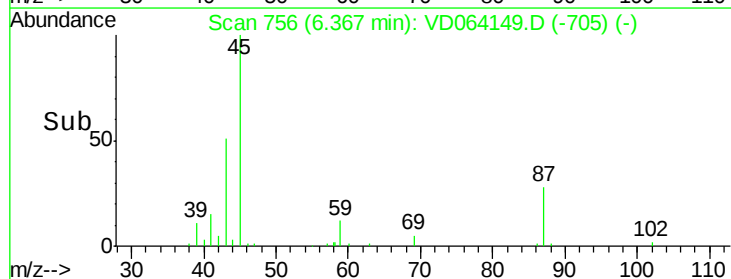
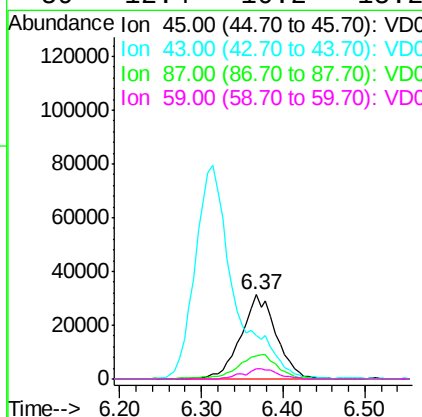
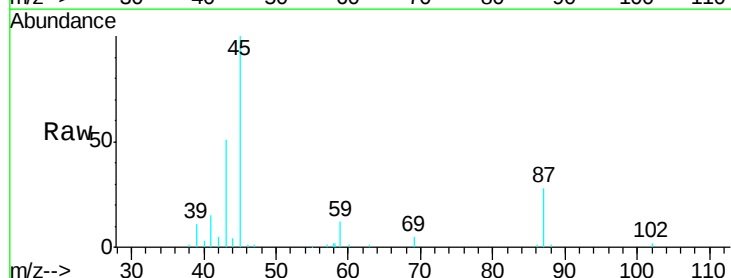
RT: 6.37 min Scan# 756

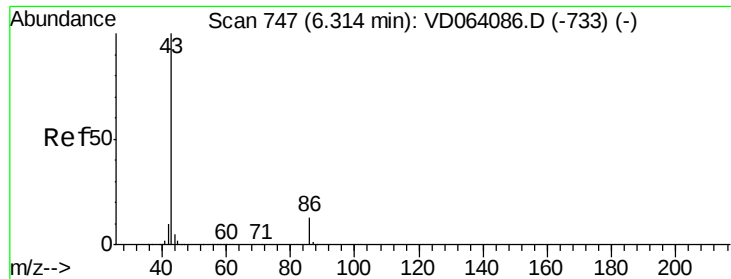
Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Tgt Ion:	45	Resp:	94340
Ion	Ratio	Lower	Upper
45	100		
43	49.9	44.3	66.5
87	28.1	26.6	39.8
59	12.4	10.2	15.2





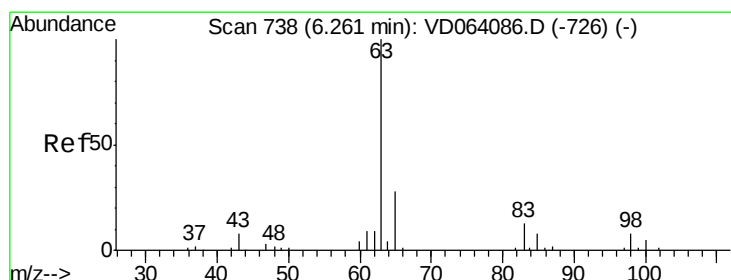
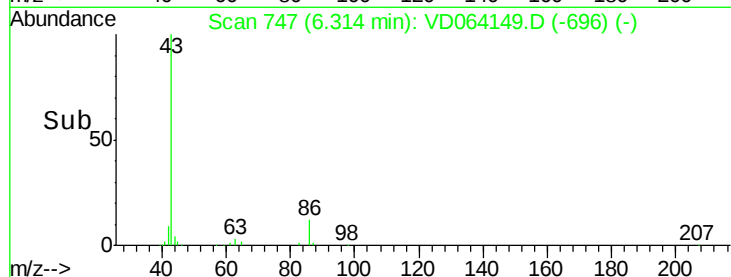
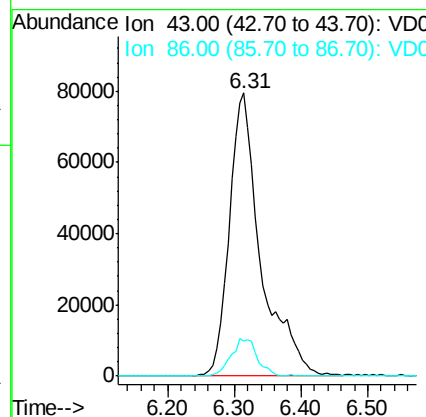
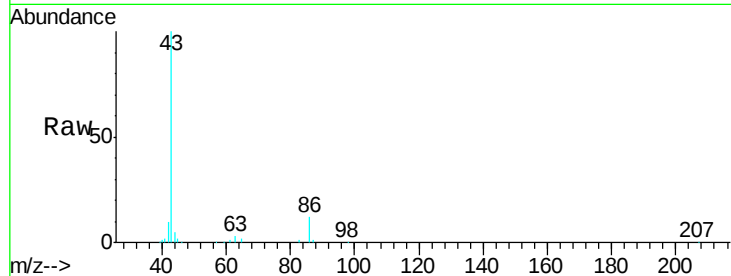
#23
 Vinyl Acetate
 Concen: 102.649 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tgt Ion: 43 Resp: 264219
 Ion Ratio Lower Upper
 43 100
 86 12.3 10.7 16.1

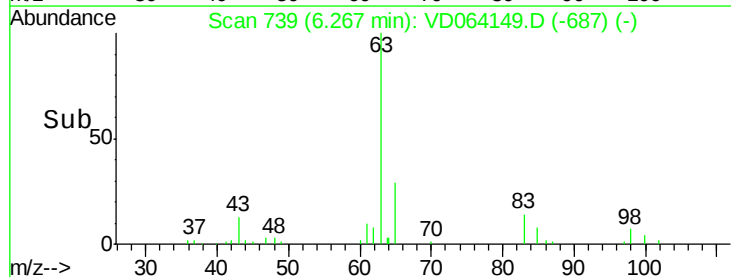
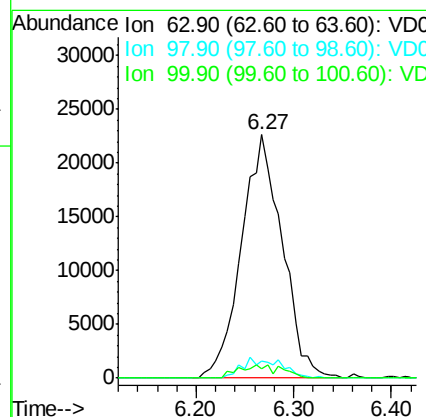
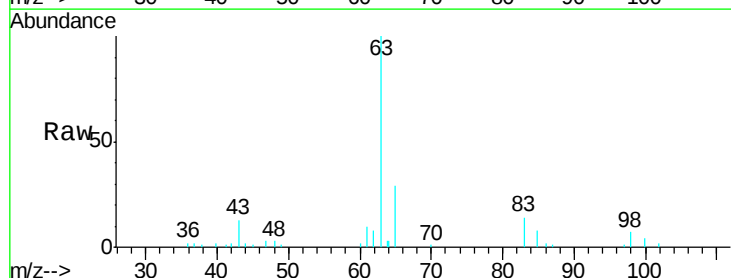
Manual Integrations
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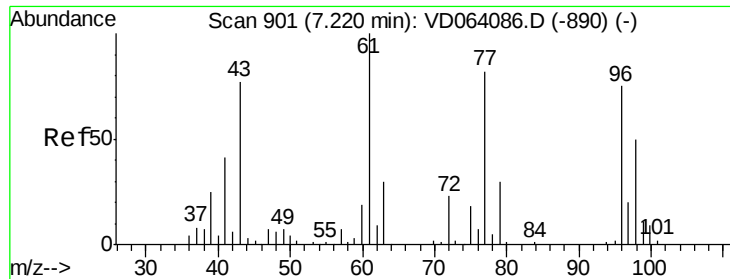
MMDadoda
 11/4/2019 11:51:02 AM



#24
 1,1-Dichloroethane
 Concen: 20.851 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion: 63 Resp: 66118
 Ion Ratio Lower Upper
 63 100
 98 7.2 4.0 11.9
 100 4.1 2.6 7.8





#25

2-Butanone

Concen: 97.866 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tgt Ion: 43 Resp: 42756

Ion Ratio Lower Upper

43 100

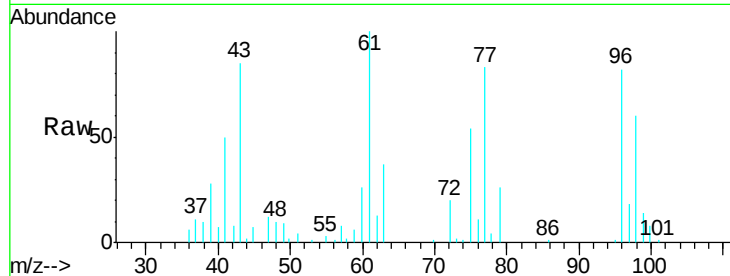
72 23.1 23.4 35.0#

Manual Integrations

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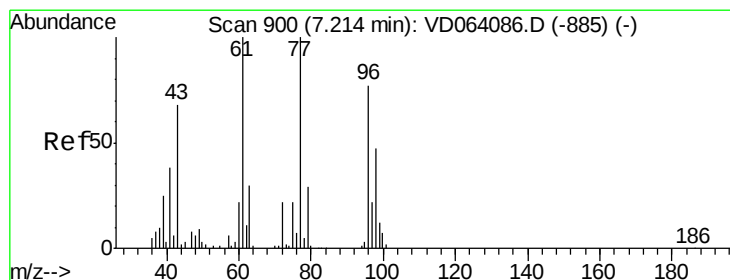
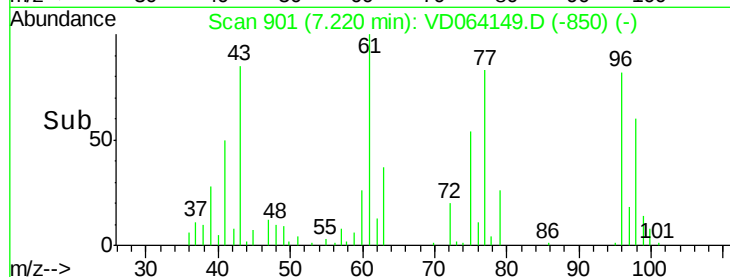
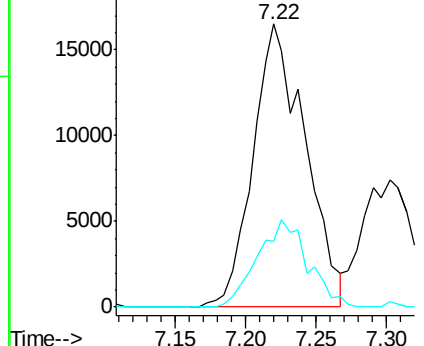
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.159 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064149.D

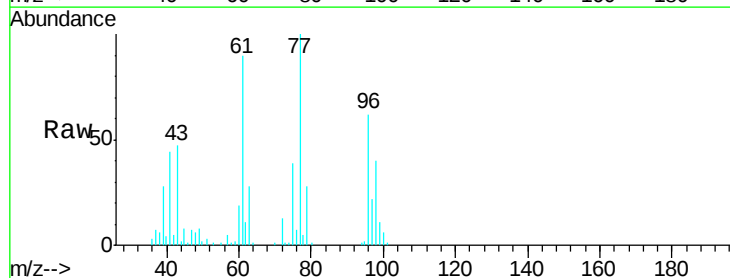
Acq: 01 Nov 2019 13:27

Tgt Ion: 77 Resp: 60672

Ion Ratio Lower Upper

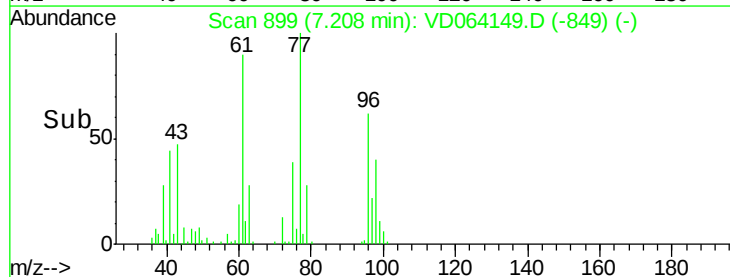
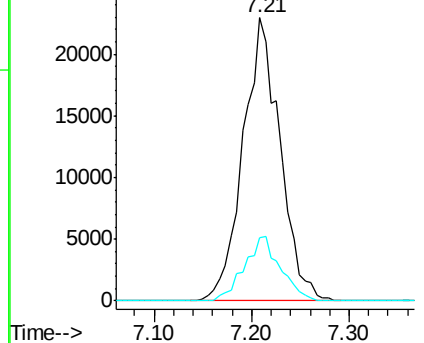
77 100

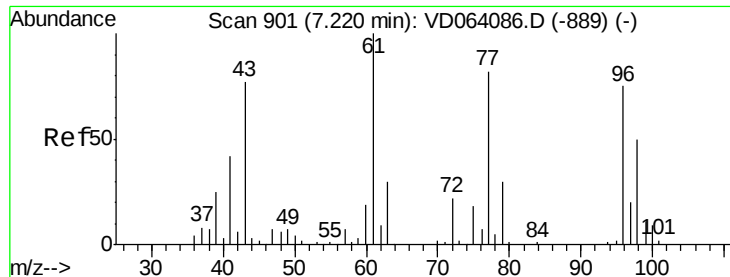
97 22.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

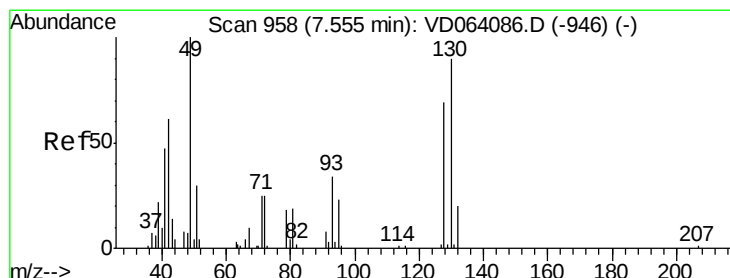
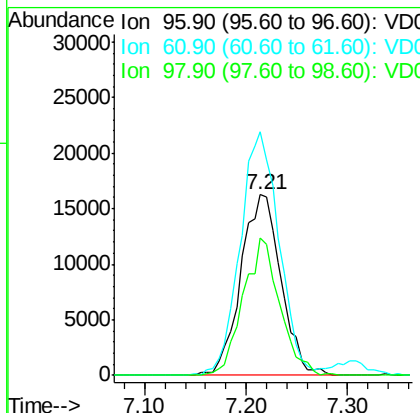
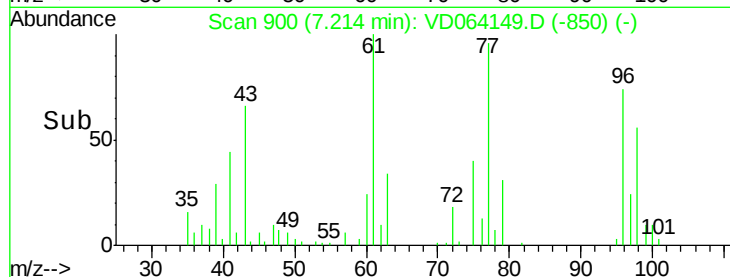
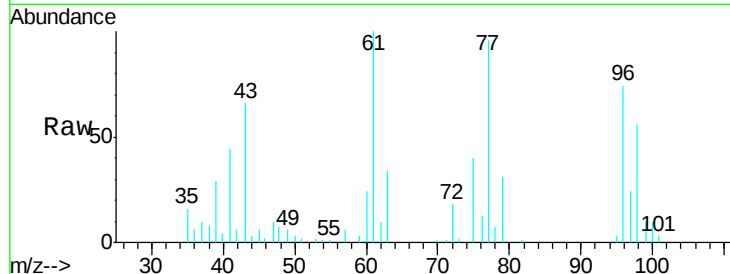
cis-1,2-Dichloroethene
Concen: 19.611 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tgt Ion: 96 Resp: 44626
Ion Ratio Lower Upper
96 100
61 131.0 0.0 258.0
98 68.9 0.0 130.8

Manual Integrations
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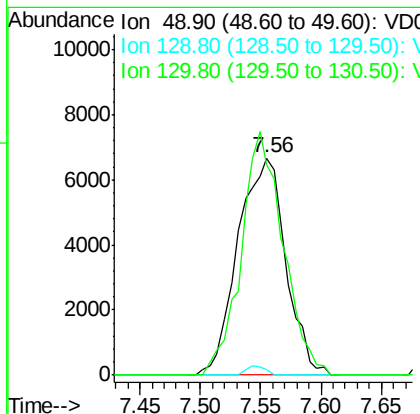
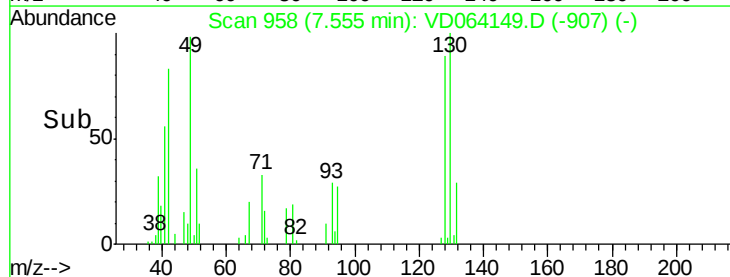
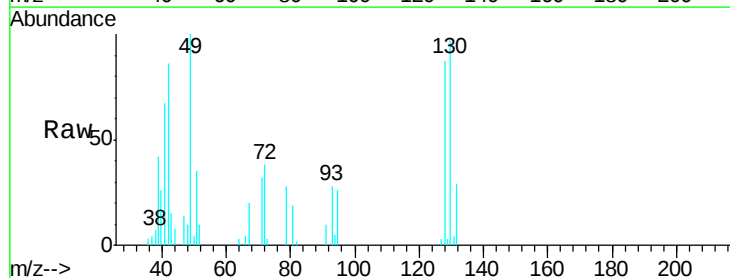
MMDadoda
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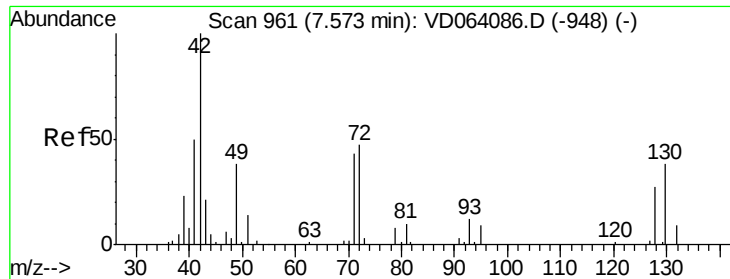


#28

Bromochloromethane
Concen: 16.433 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 49 Resp: 18356
Ion Ratio Lower Upper
49 100
129 1.7 0.0 5.4
130 98.3 75.3 112.9





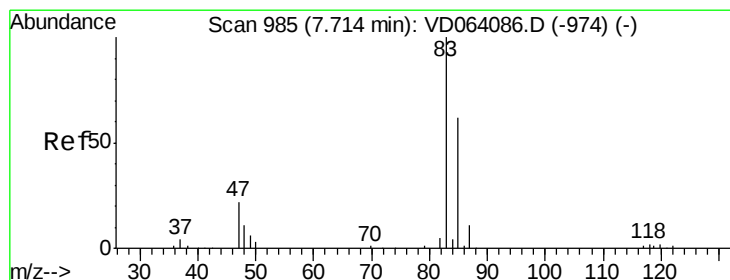
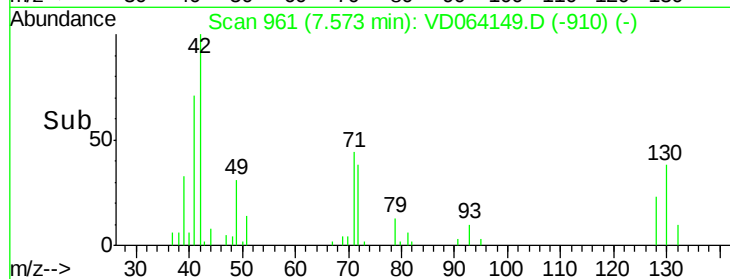
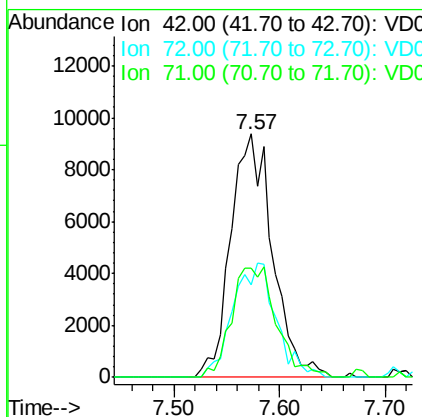
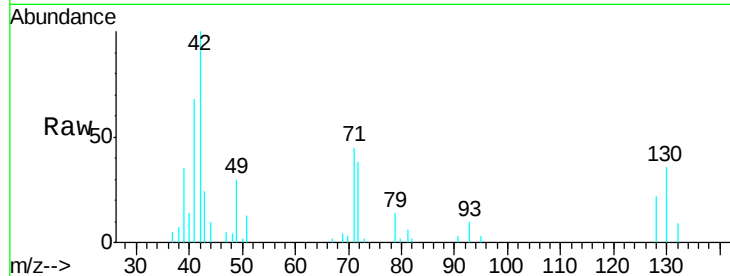
#29
Tetrahydrofuran
Concen: 100.838 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.6	38.9	58.3
71	49.0	35.4	53.2

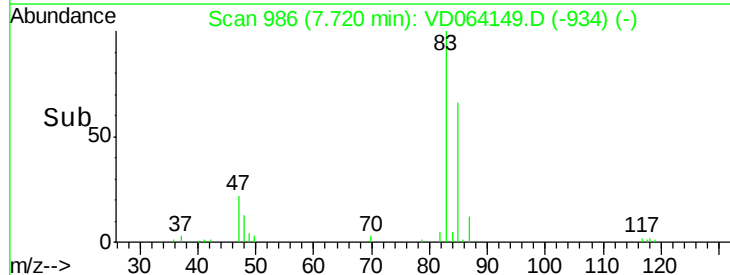
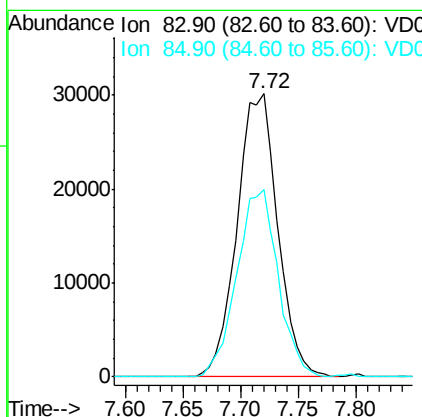
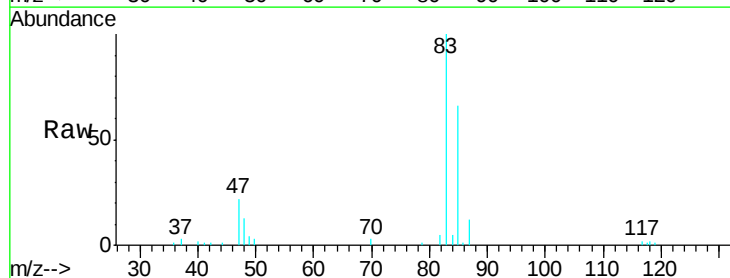
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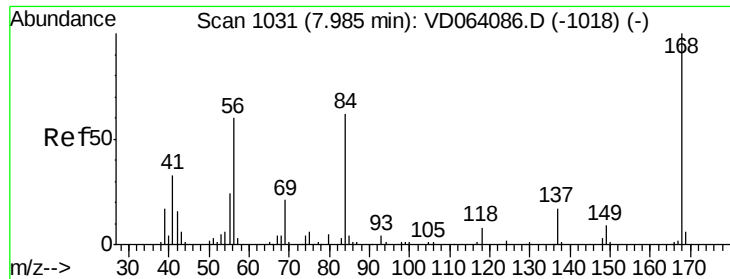
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11/4/2019 11:51:02 AM



#30
Chloroform
Concen: 20.379 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.8	74.6





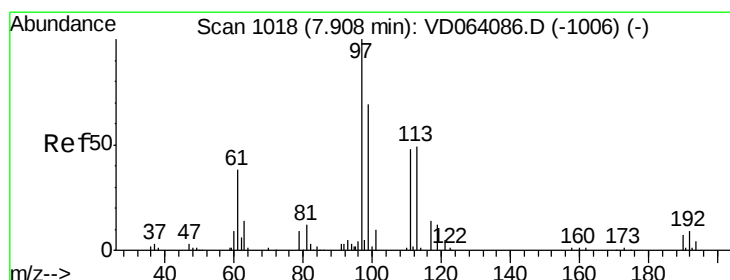
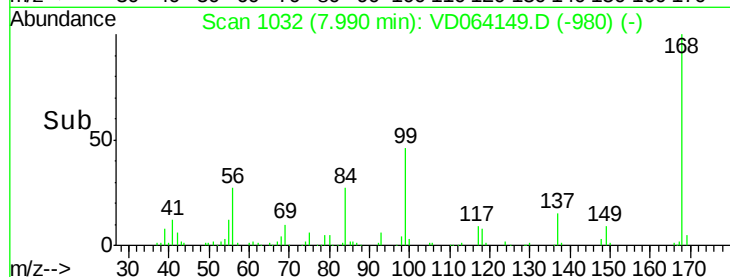
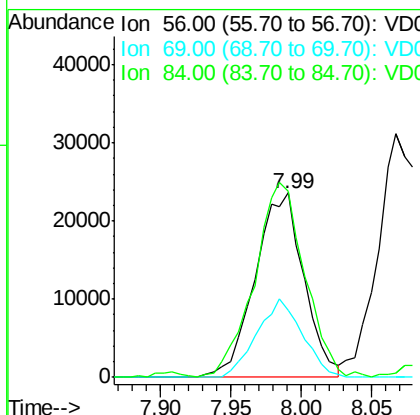
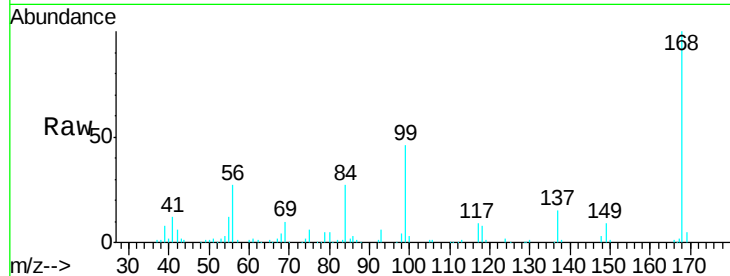
#31
Cyclohexane
Concen: 18.496 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.5	27.7	41.5
84	99.4	83.1	124.7

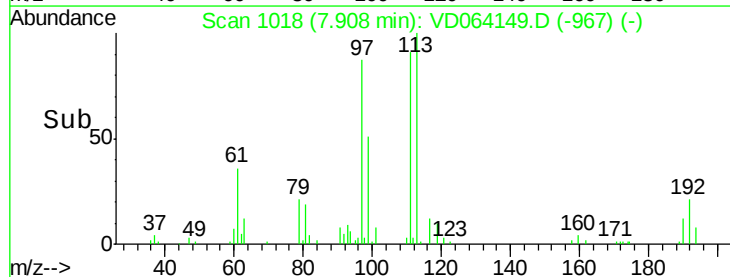
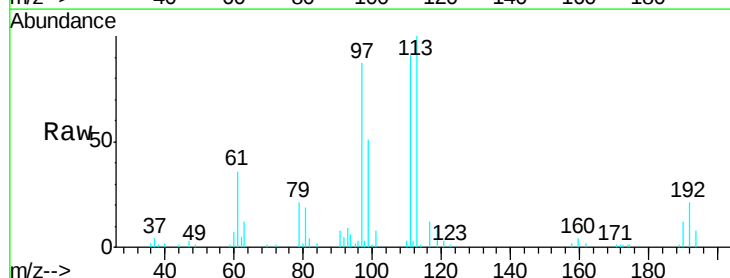
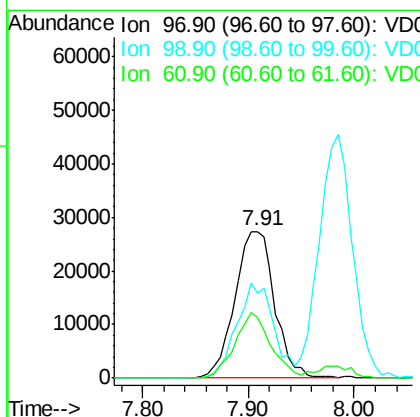
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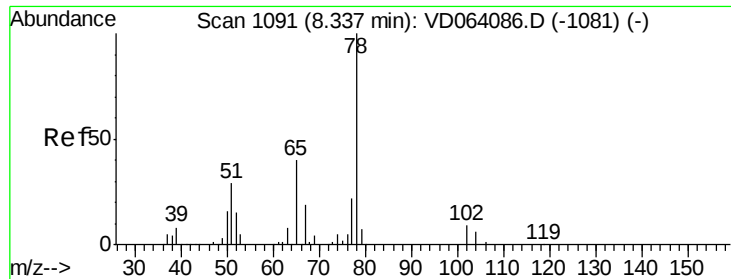
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#32
1,1,1-Trichloroethane
Concen: 21.191 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.5	53.7	80.5
61	40.1	31.8	47.6





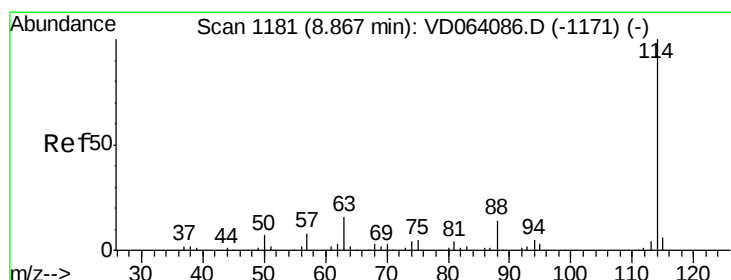
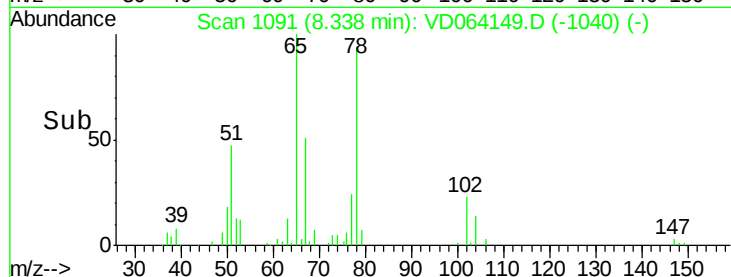
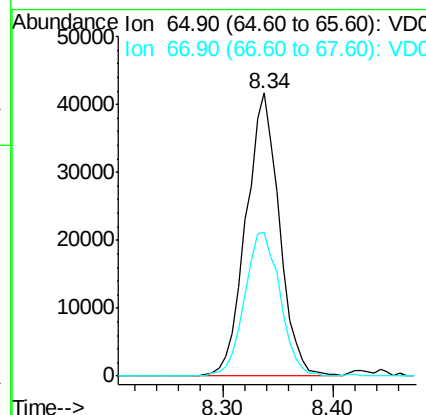
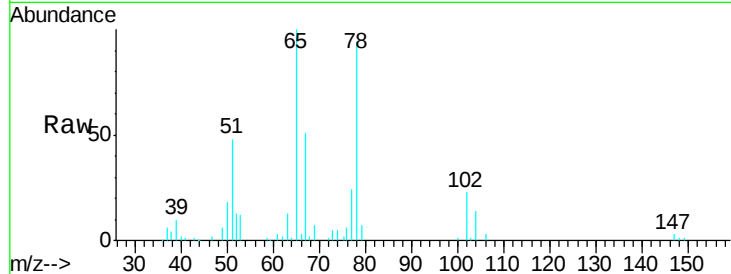
#33
 1,2-Dichloroethane-d4
 Concen: 53.275 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

Tgt Ion: 65 Resp: 88485
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 104.6

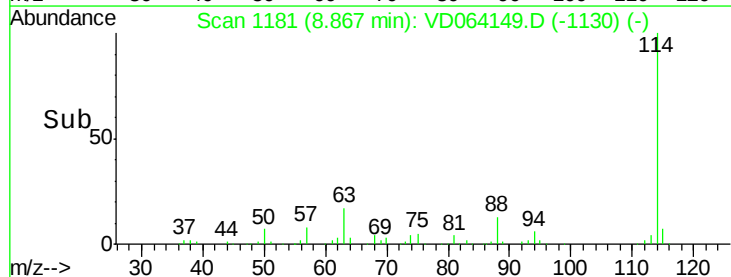
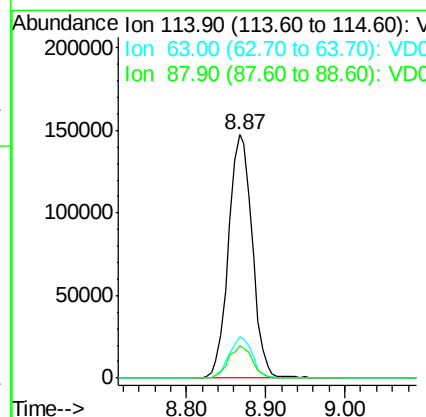
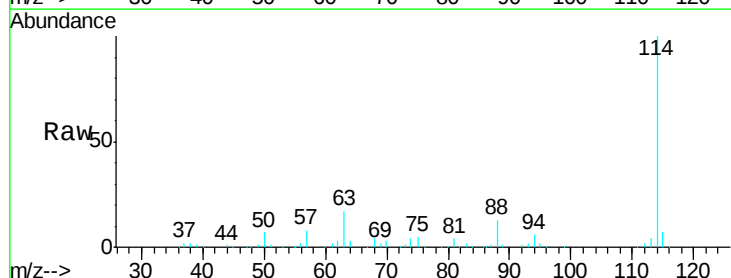
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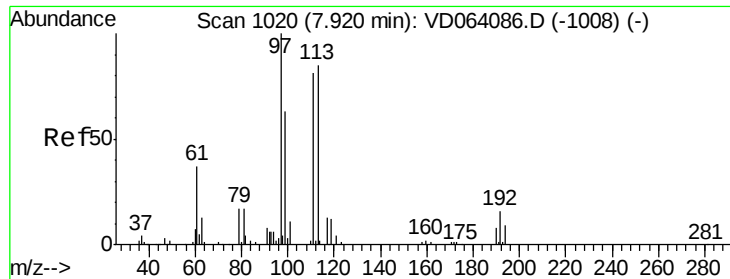
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion: 114 Resp: 305153
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 32.8
 88 13.1 0.0 27.6





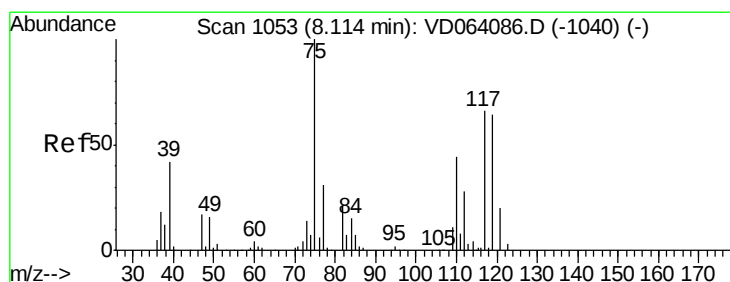
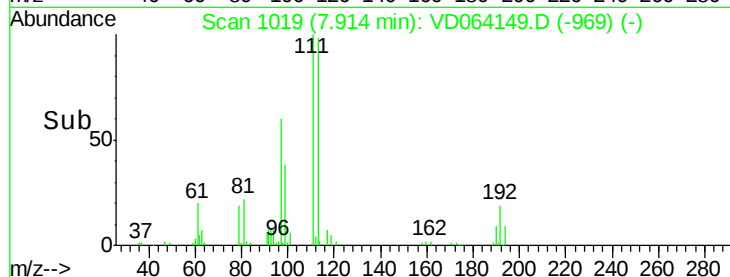
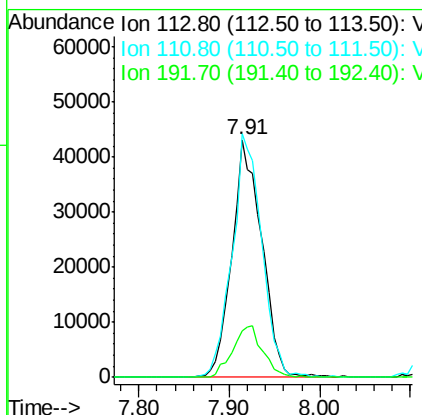
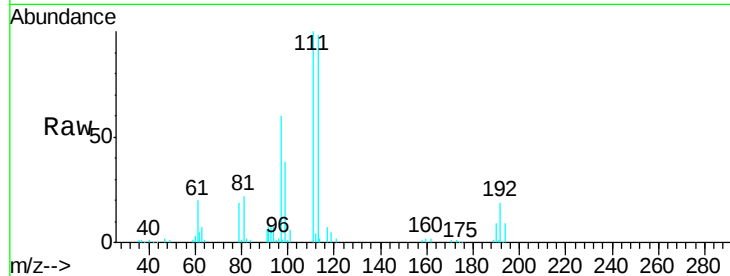
#35
Dibromofluoromethane
Concen: 52.692 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	79.3	118.9
192	21.8	16.2	24.2

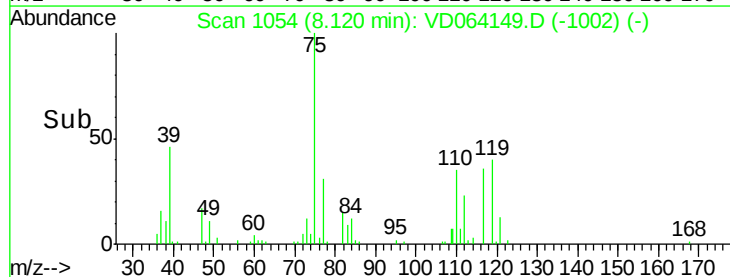
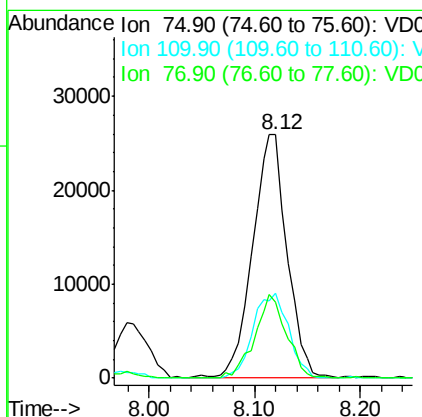
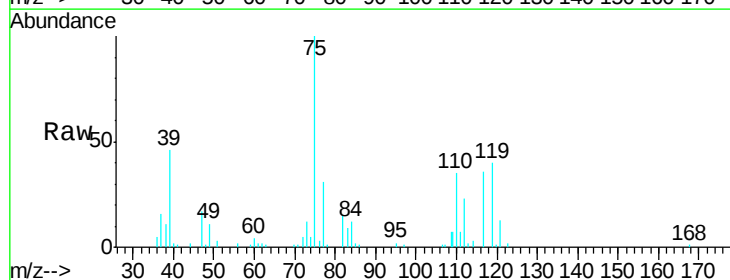
Manual Integrations
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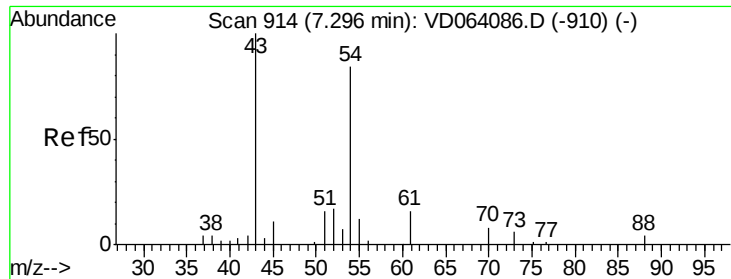
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#36
1,1-Dichloropropene
Concen: 20.600 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	20.0	59.9
77	31.6	24.7	37.1





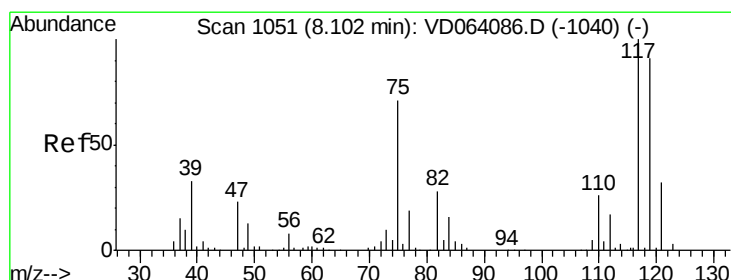
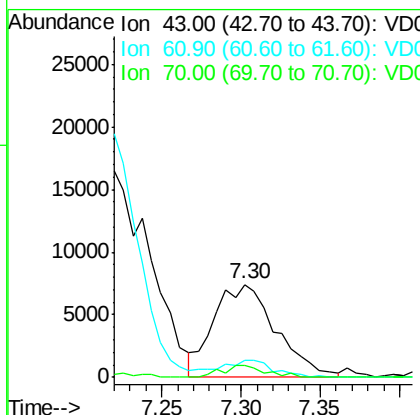
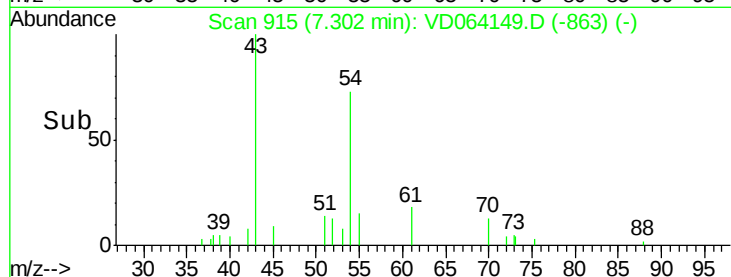
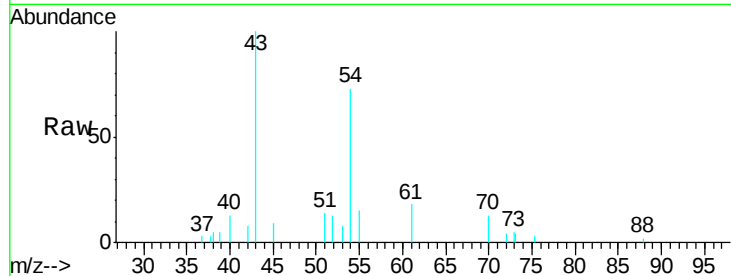
#37
Ethyl Acetate
Concen: 23.060 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleID :
VD1101SBSD01

Tgt Ion: 43 Resp: 20295
Ion Ratio Lower Upper
43 100
61 15.2 12.0 18.0
70 8.9 3.8 5.6#

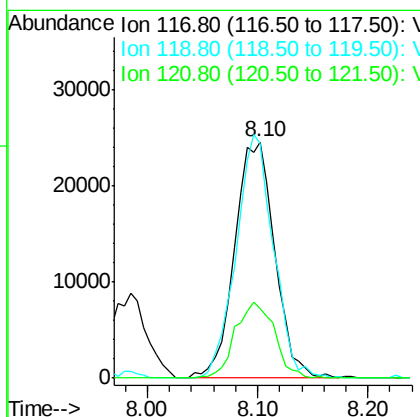
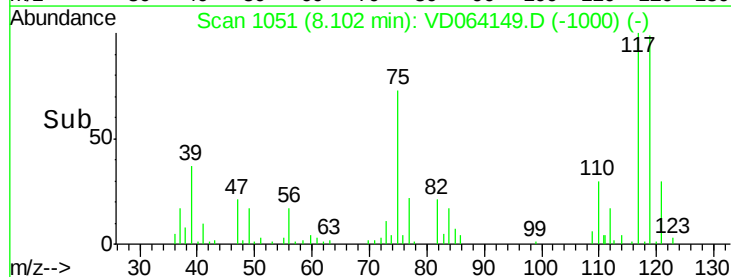
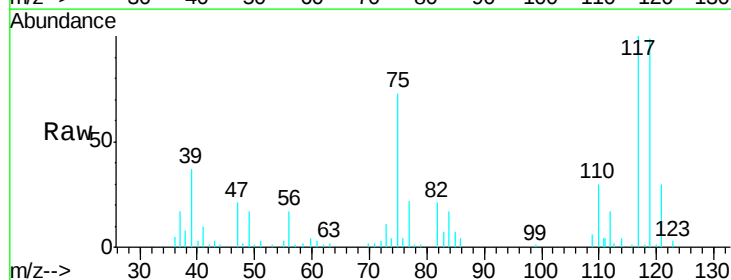
Manual Integrations
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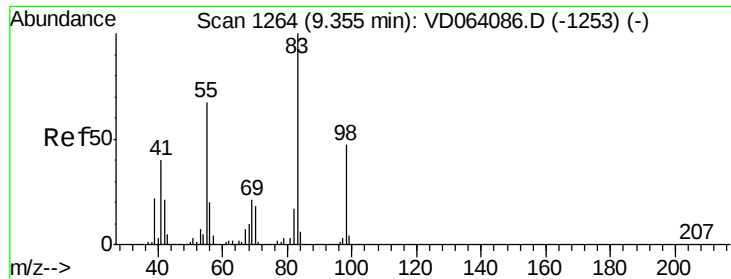
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#38
Carbon Tetrachloride
Concen: 20.071 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 117 Resp: 62618
Ion Ratio Lower Upper
117 100
119 99.3 72.6 108.8
121 29.5 25.8 38.6





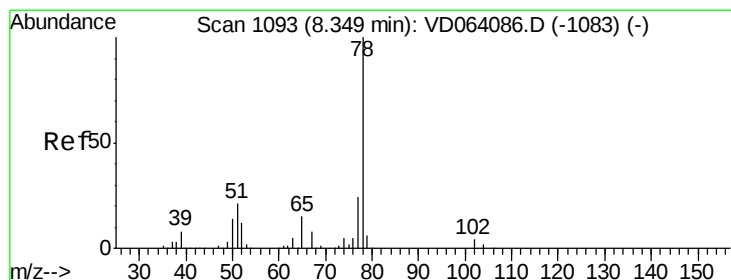
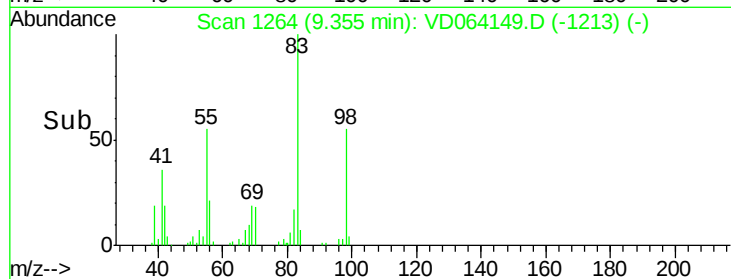
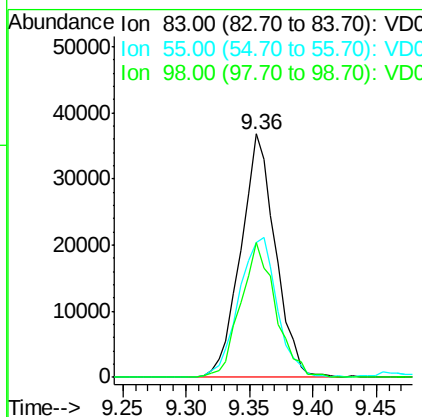
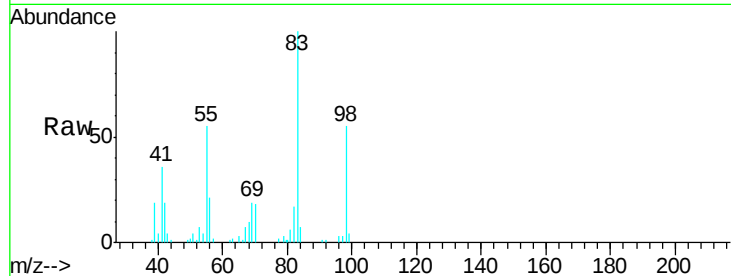
#39
Methylcyclohexane
Concen: 19.933 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	55.3	53.4	80.0
98	55.5	37.8	56.6

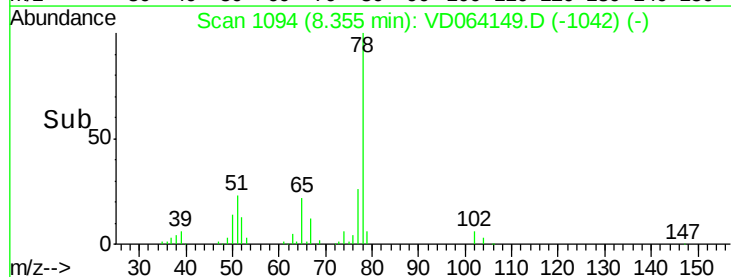
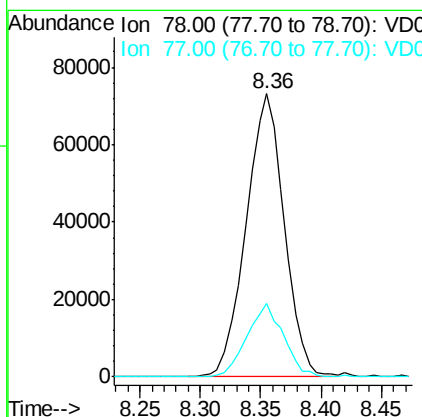
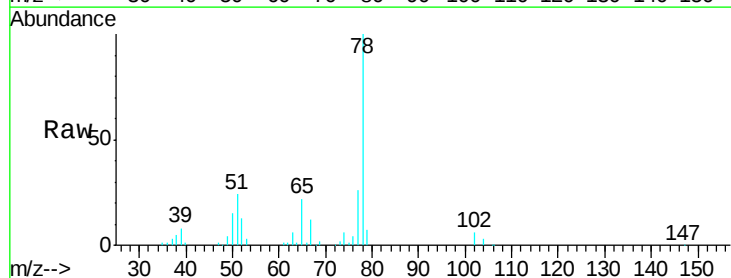
Manual Integrations
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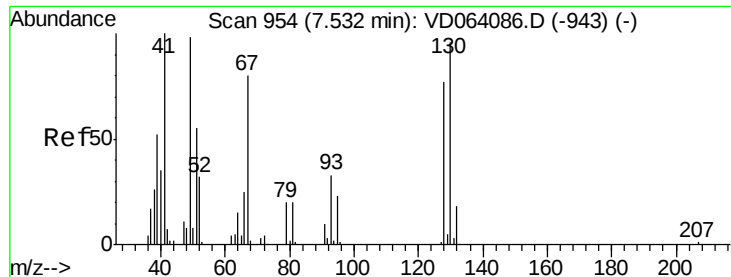
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#40
Benzene
Concen: 20.589 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.1	19.0	28.4





#41

Methacrylonitrile

Concen: 22.982 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

Tgt Ion: 41 Resp: 11673

Ion Ratio Lower Upper

41 100

39 51.9 41.0 61.4

67 77.2 73.4 110.0

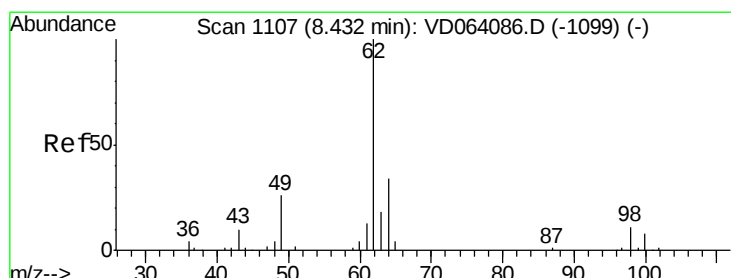
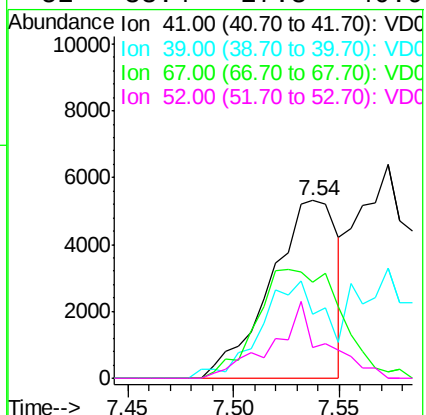
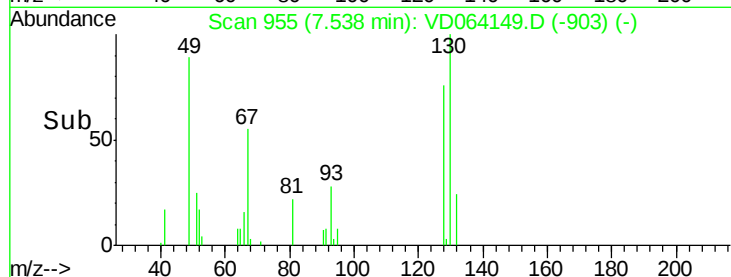
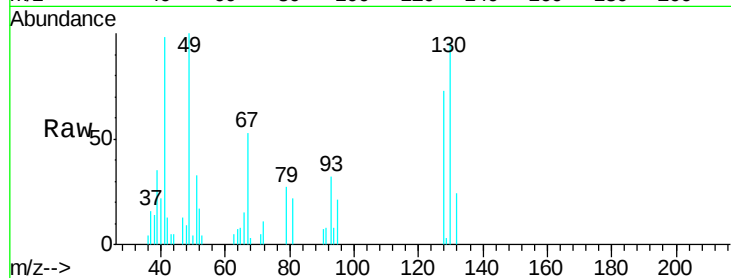
52 33.4 27.3 40.9

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 21.401 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD064149.D

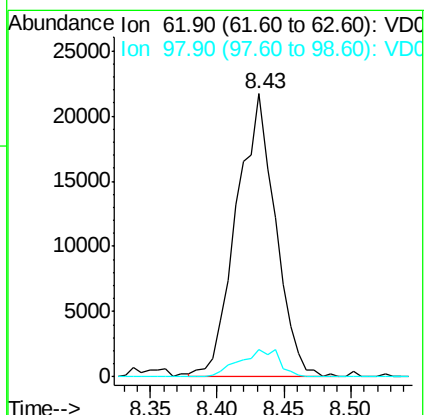
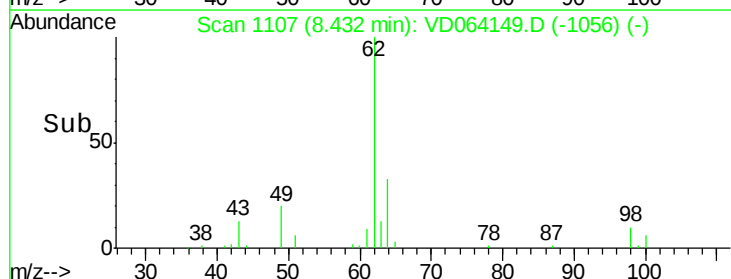
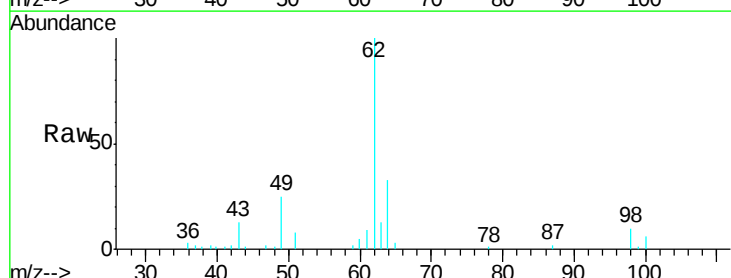
Acq: 01 Nov 2019 13:27

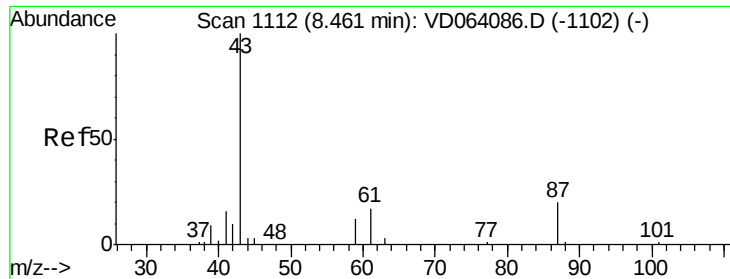
Tgt Ion: 62 Resp: 44080

Ion Ratio Lower Upper

62 100

98 10.0 0.0 21.0





#43

Isopropyl Acetate

Concen: 19.846 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

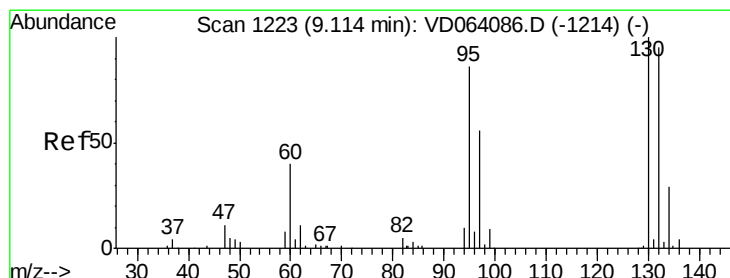
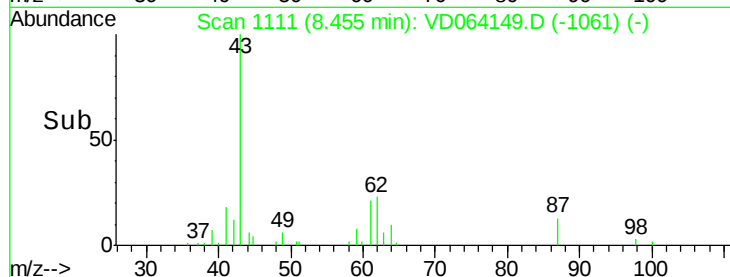
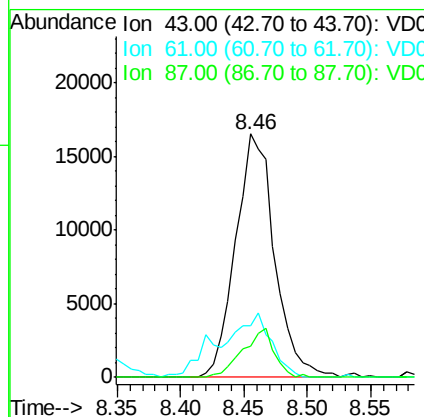
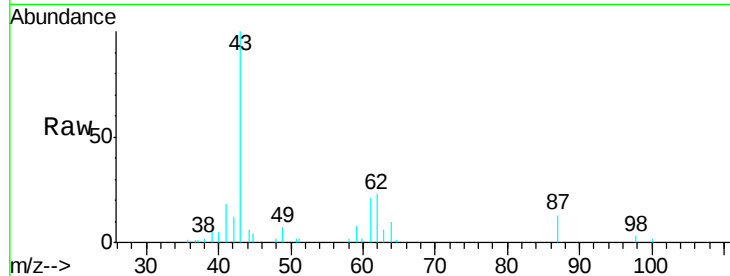
ClientSampleId :

VD1101SBSD01

Tgt Ion:	43	Resp:	35299
Ion	Ratio	Lower	Upper
43	100		
61	24.3	25.8	38.8#
87	16.4	13.0	19.4

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#44

Trichloroethene

Concen: 20.629 ug/l

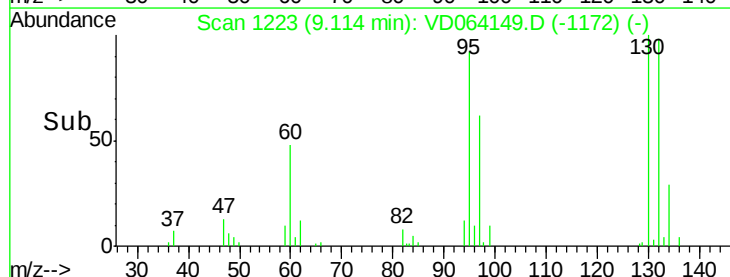
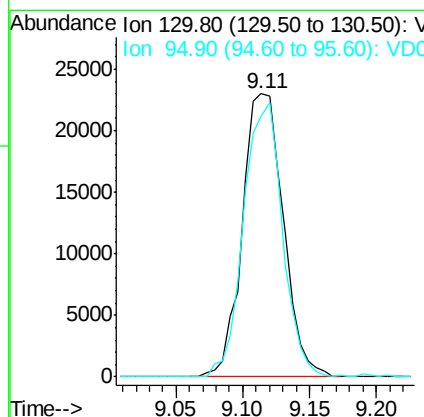
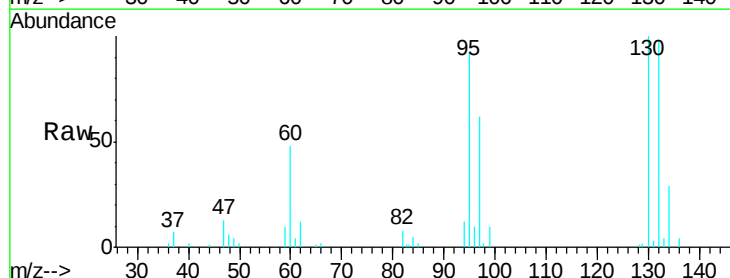
RT: 9.11 min Scan# 1223

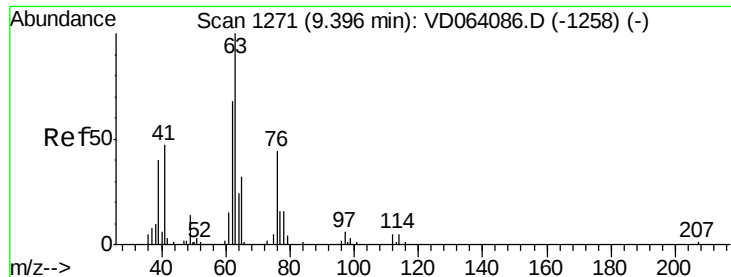
Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Tgt Ion:	130	Resp:	48753
Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	173.0





#45

1,2-Dichloropropane

Concen: 20.090 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

Tgt Ion: 63 Resp: 36304

Ion Ratio Lower Upper

63 100

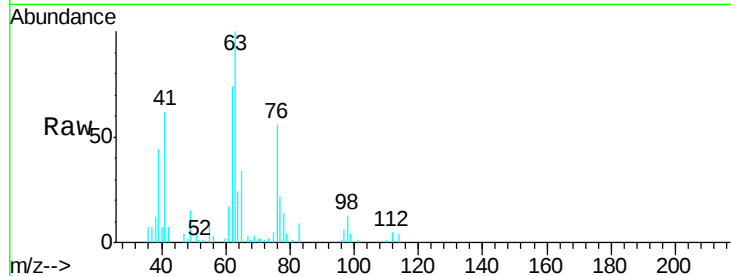
65 33.7 25.8 38.8

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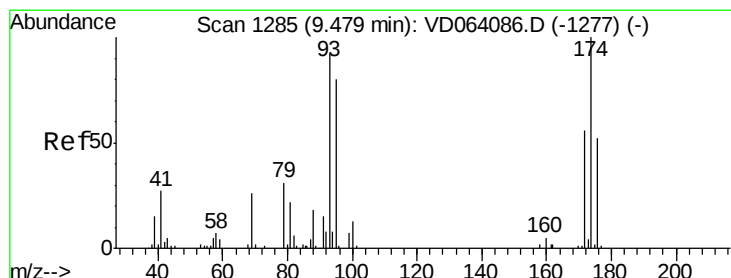
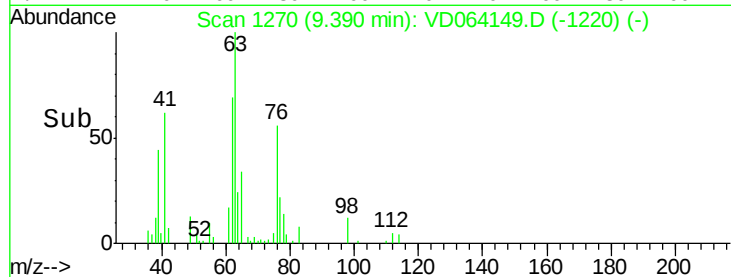
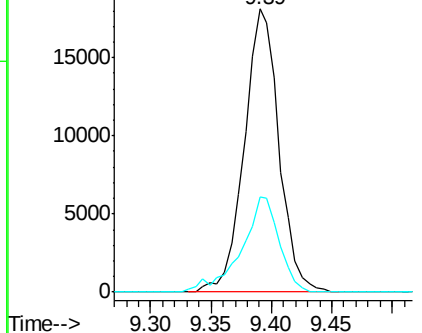
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.506 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

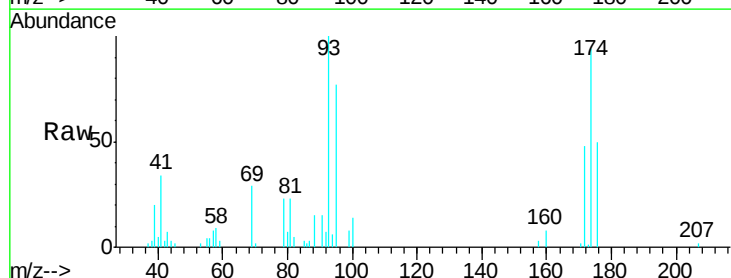
Tgt Ion: 93 Resp: 21229

Ion Ratio Lower Upper

93 100

95 91.4 67.4 101.2

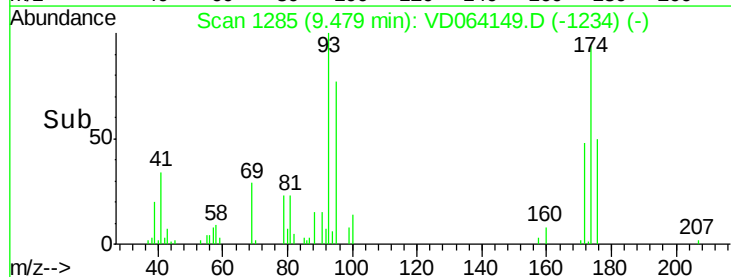
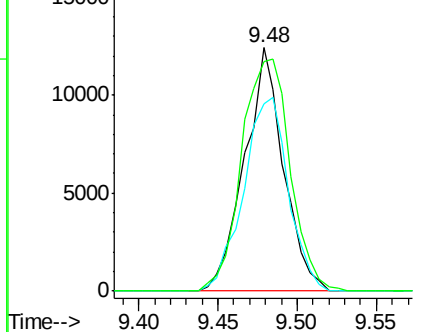
174 119.0 86.4 129.6

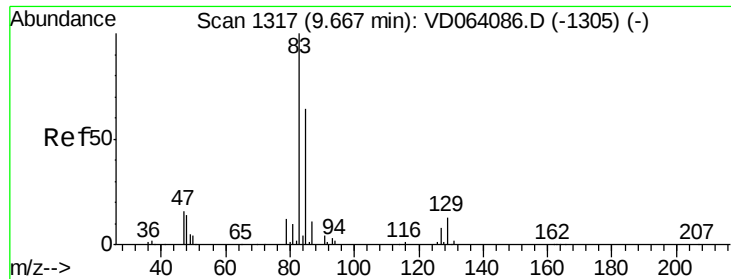


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.818 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

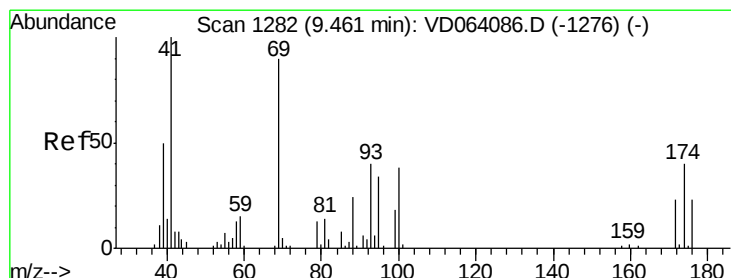
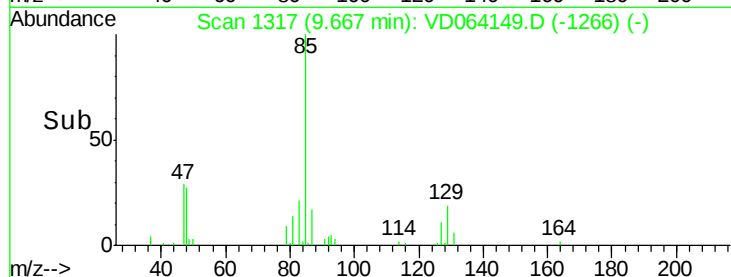
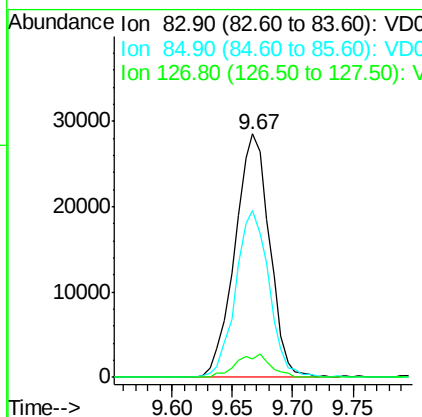
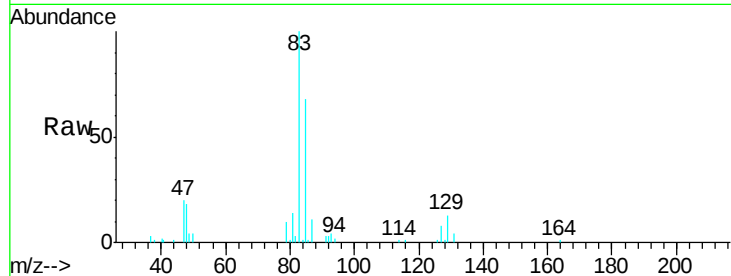
ClientSampleId :

VD1101SBSD01

Tgt Ion:	83	Resp:	57158
Ion	Ratio	Lower	Upper
83	100		
85	68.3	51.4	77.0
127	7.7	6.7	10.1

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#48

Methyl methacrylate

Concen: 22.522 ug/l

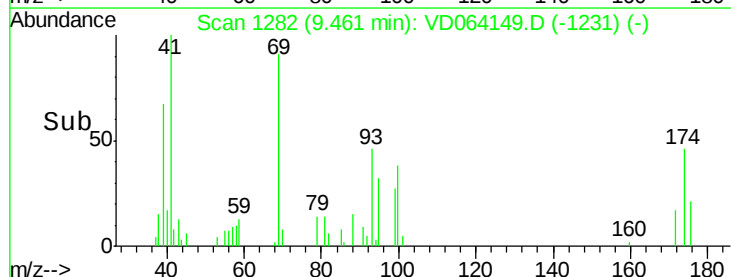
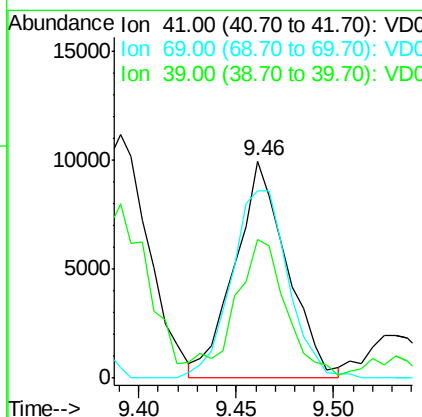
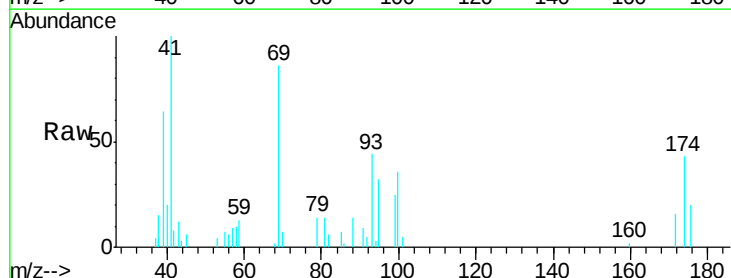
RT: 9.46 min Scan# 1282

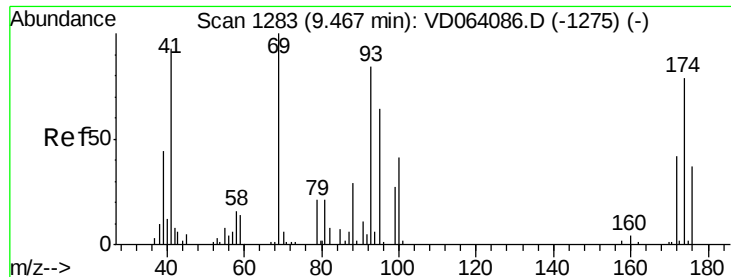
Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Tgt Ion:	41	Resp:	18525
Ion	Ratio	Lower	Upper
41	100		
69	93.7	82.6	124.0
39	59.0	47.0	70.4





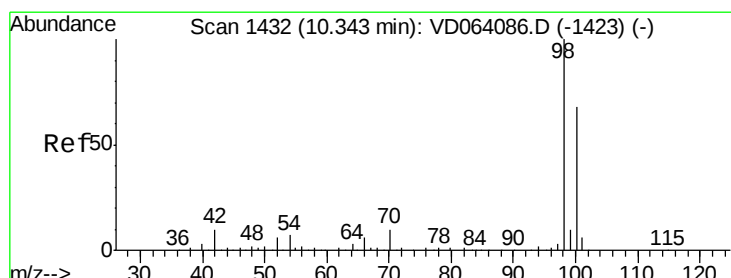
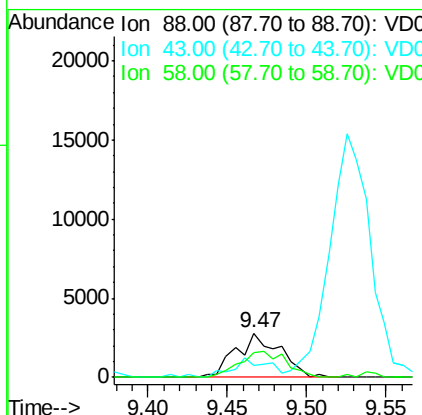
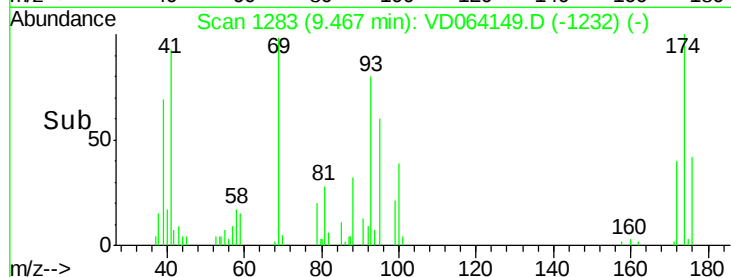
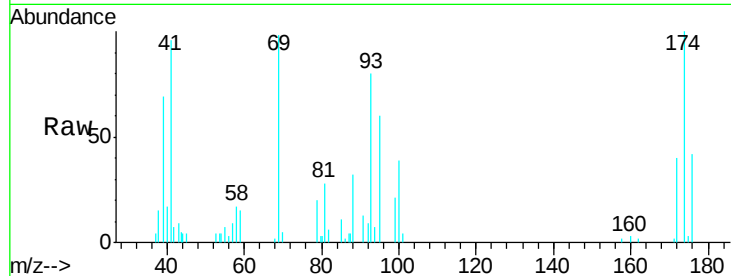
#49
1,4-Dioxane
Concen: 432.021 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tgt Ion: 88 Resp: 5382
Ion Ratio Lower Upper
88 100
43 34.8 13.4 20.0#
58 62.6 46.7 70.1

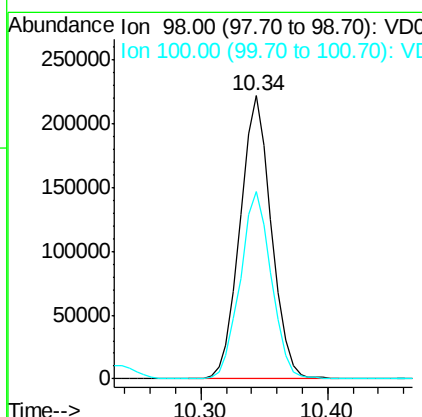
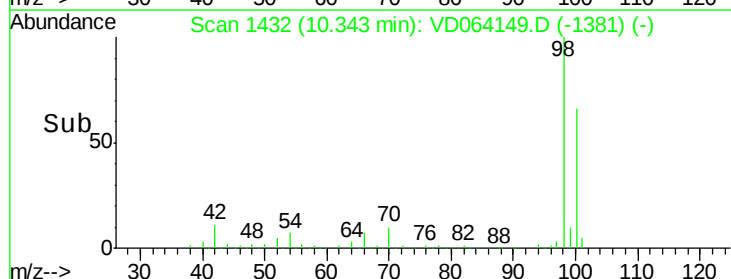
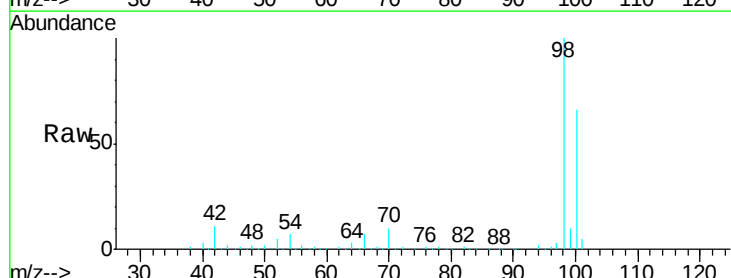
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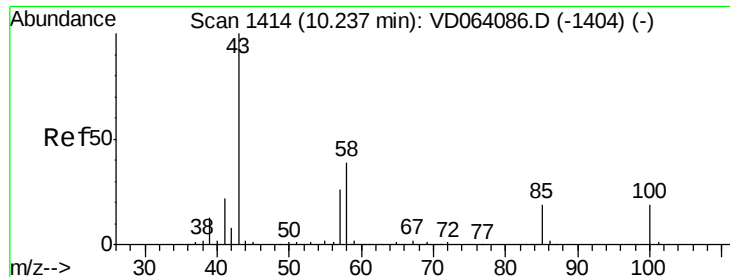
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#50
Toluene-d8
Concen: 50.536 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 98 Resp: 379425
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0





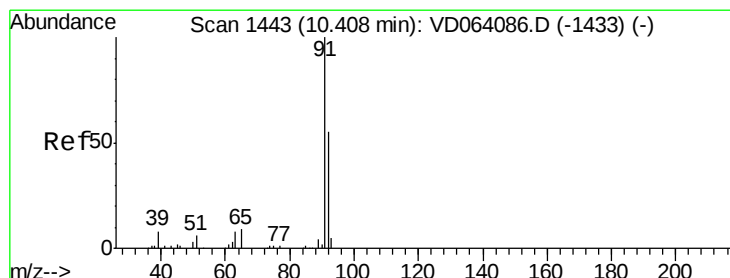
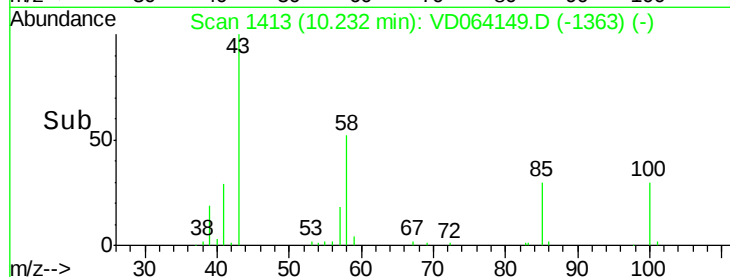
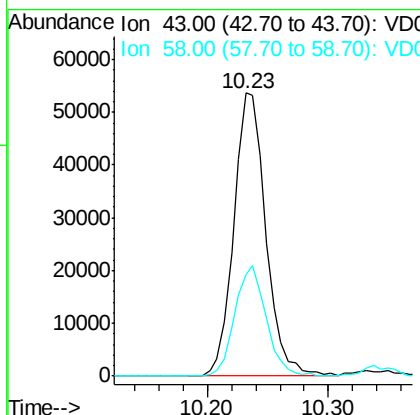
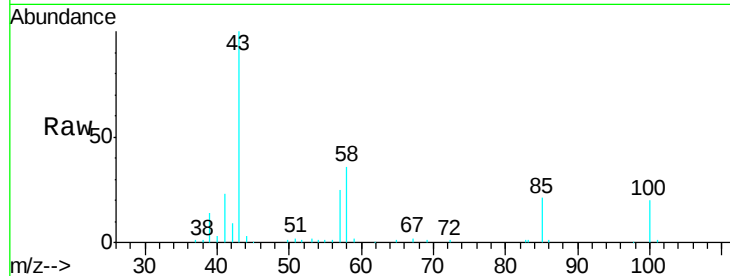
#51
 4-Methyl-2-Pentanone
 Concen: 102.581 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tgt Ion: 43 Resp: 99330
 Ion Ratio Lower Upper
 43 100
 58 38.2 33.0 49.4

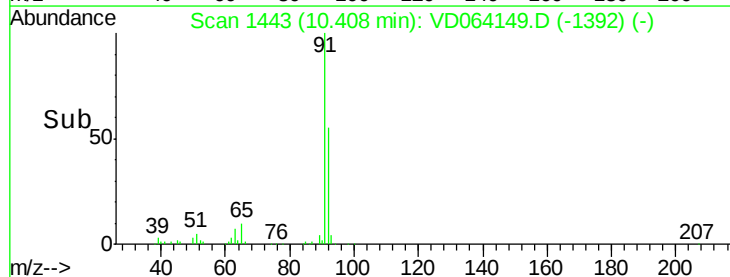
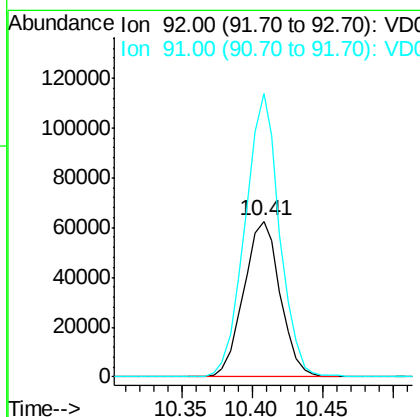
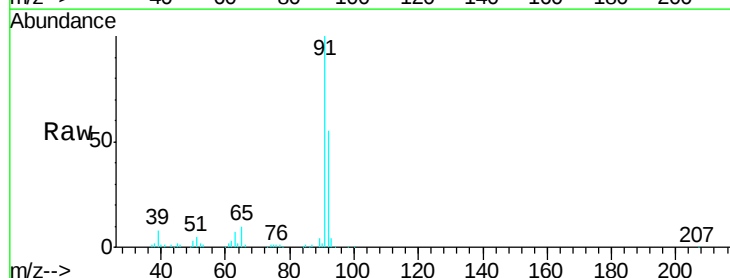
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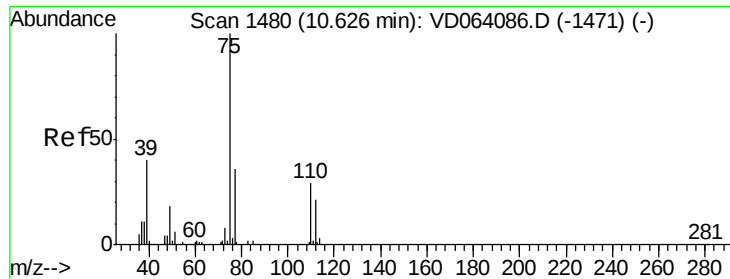
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#52
 Toluene
 Concen: 20.677 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion: 92 Resp: 112988
 Ion Ratio Lower Upper
 92 100
 91 172.9 140.7 211.1





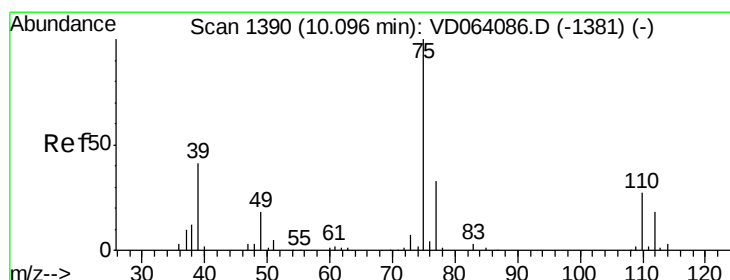
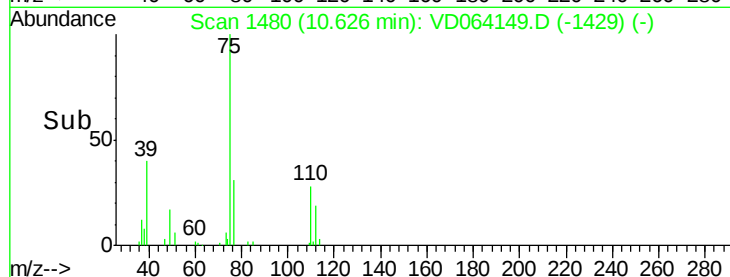
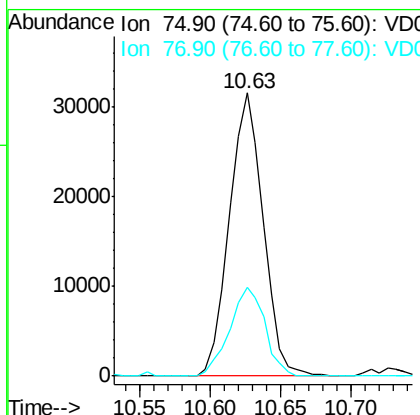
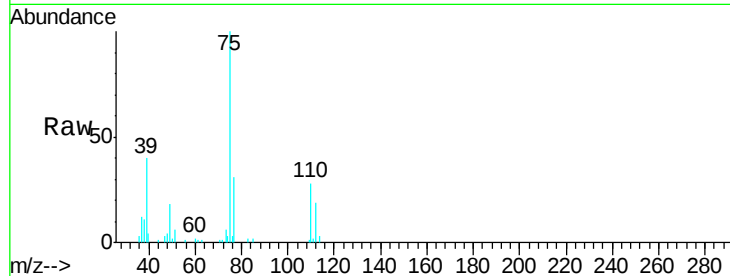
#53
t-1,3-Dichloropropene
Concen: 20.541 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tgt Ion: 75 Resp: 52645
Ion Ratio Lower Upper
75 100
77 31.2 28.7 43.1

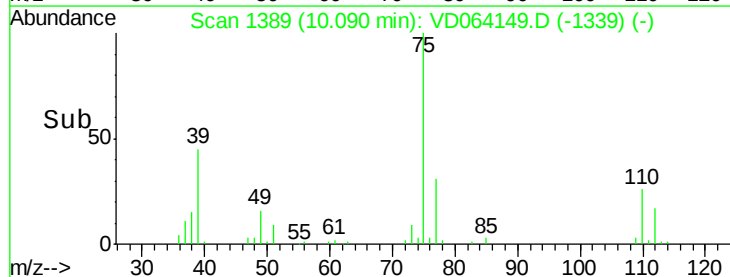
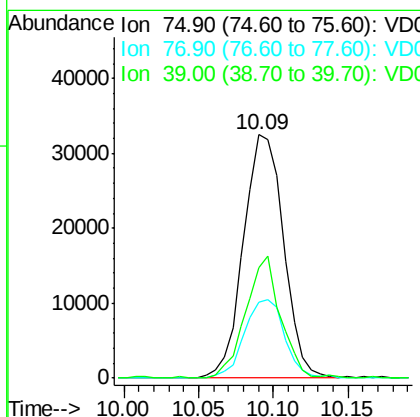
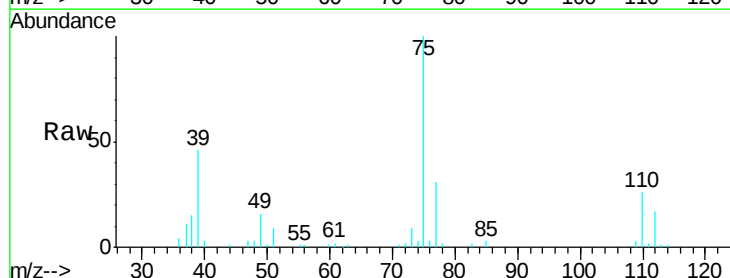
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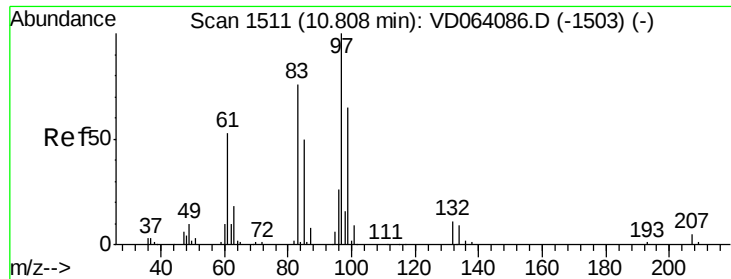
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#54
cis-1,3-Dichloropropene
Concen: 20.041 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 75 Resp: 60429
Ion Ratio Lower Upper
75 100
77 31.1 26.8 40.2
39 44.9 32.7 49.1





#55

1,1,2-Trichloroethane

Concen: 20.746 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

Tgt Ion: 97 Resp: 32012

Ion Ratio Lower Upper

97 100

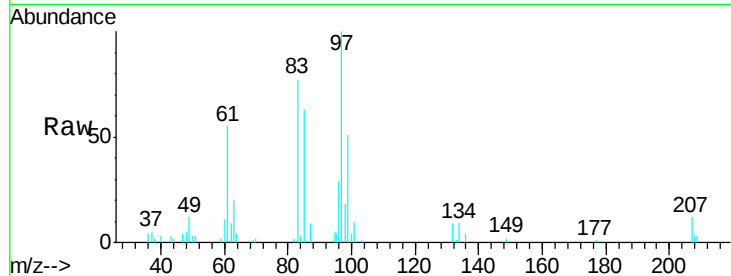
83 77.5 60.9 91.3

85 63.4 40.2 60.2#

99 50.7 51.9 77.9#

Manual Integrations
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11/4/2019 11:51:02 AM

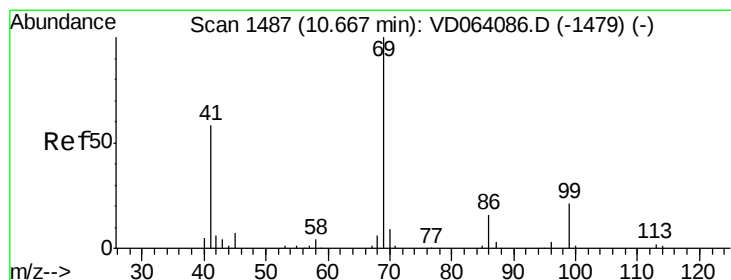
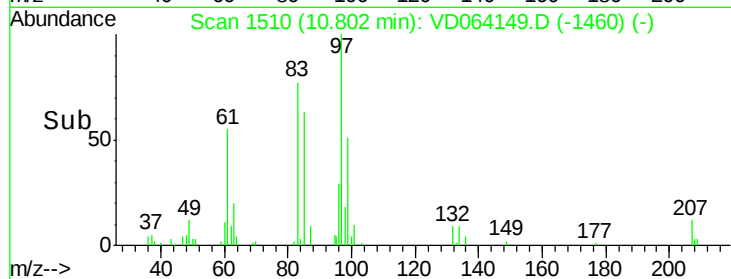
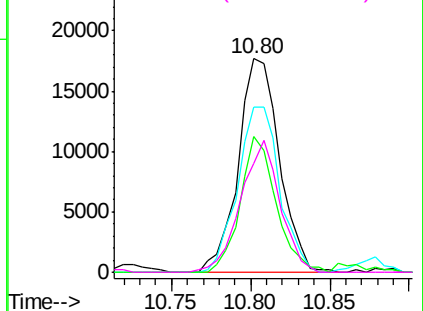


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 20.064 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Tgt Ion: 69 Resp: 34022

Ion Ratio Lower Upper

69 100

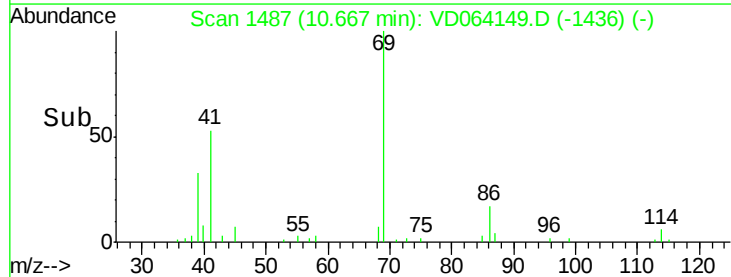
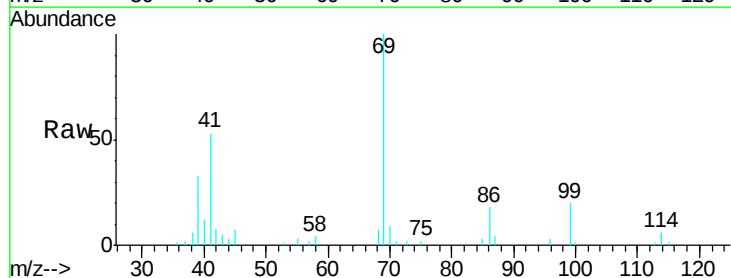
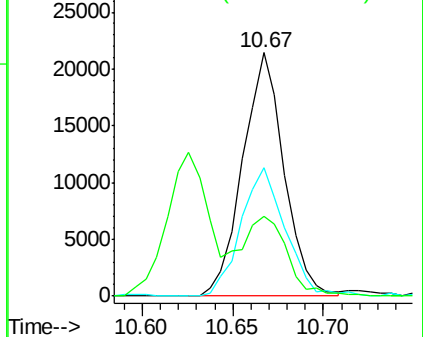
41 56.6 46.9 70.3

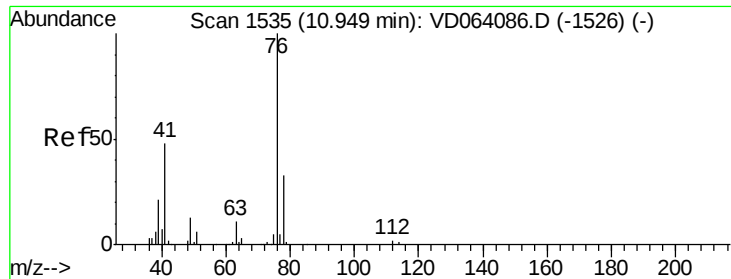
39 33.5 27.3 40.9

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





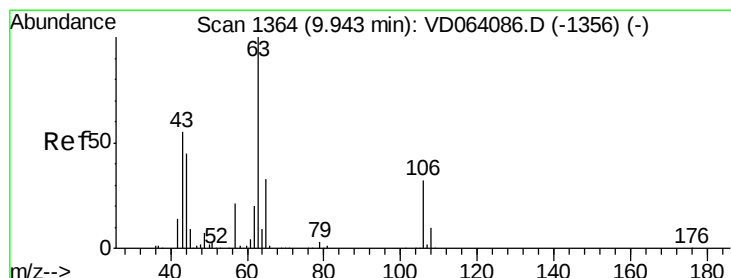
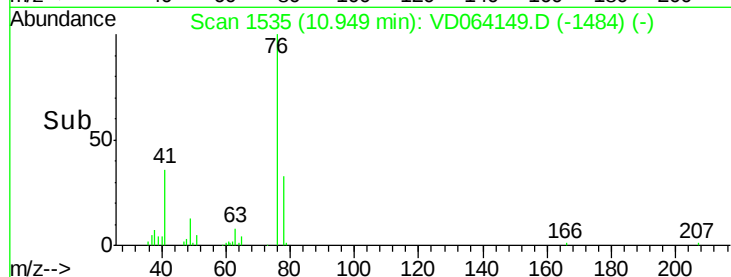
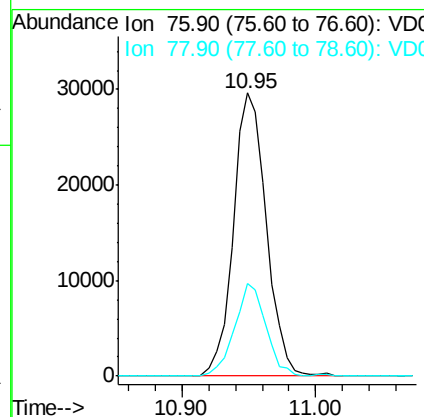
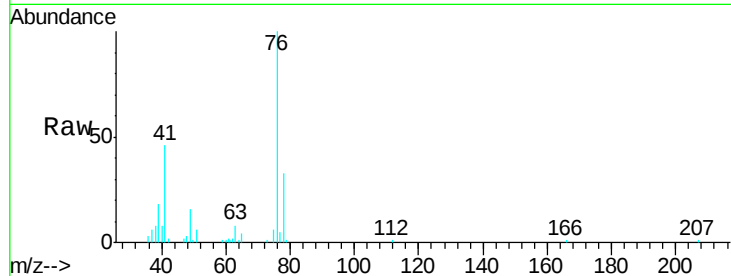
#57
 1,3-Dichloropropane
 Concen: 19.898 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

Tgt Ion: 76 Resp: 50777
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.9 38.9

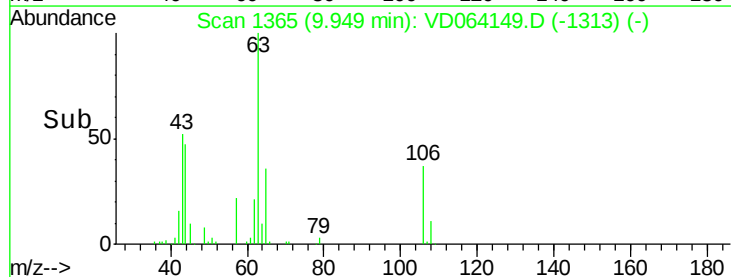
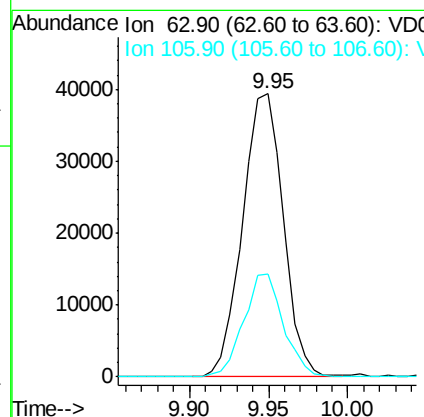
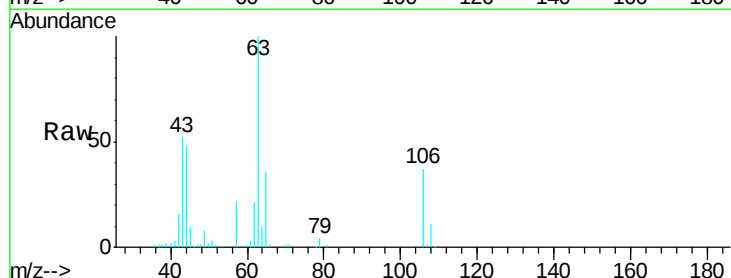
Manual Integrations
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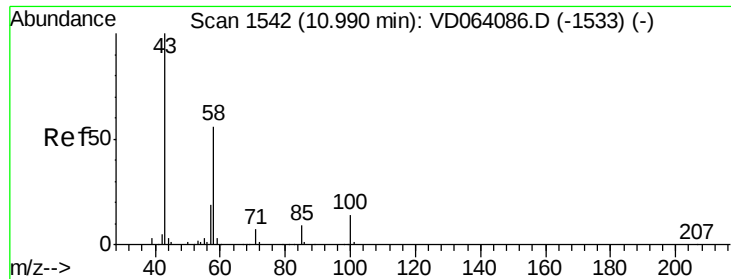
MMDadoda
 11/4/2019 11:51:02 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.489 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion: 63 Resp: 70635
 Ion Ratio Lower Upper
 63 100
 106 35.2 25.8 38.8





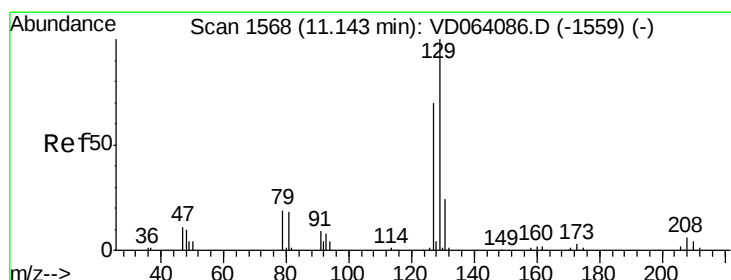
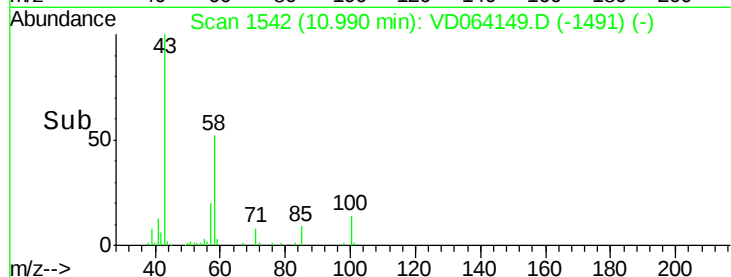
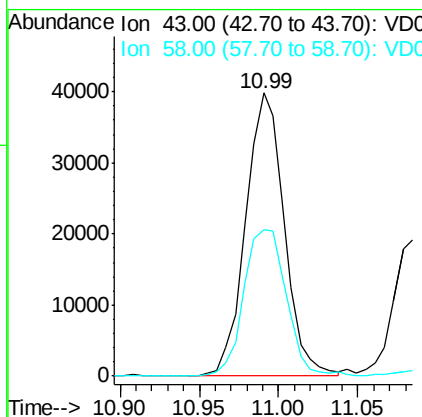
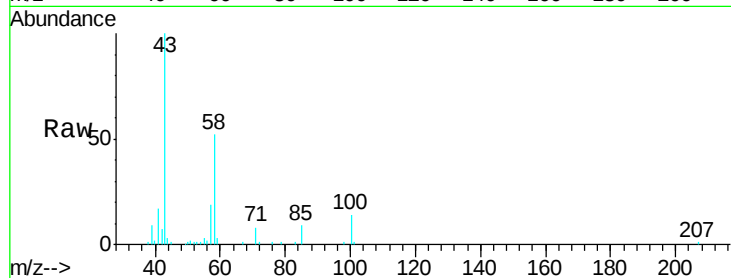
#59
2-Hexanone
Concen: 94.672 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tgt Ion: 43 Resp: 67451
Ion Ratio Lower Upper
43 100
58 57.3 29.2 87.6

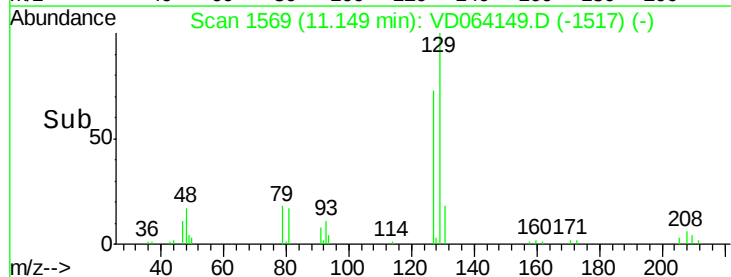
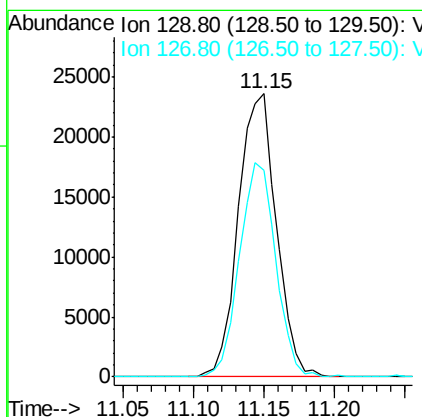
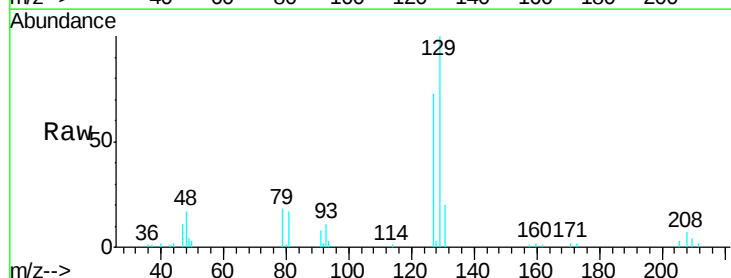
Manual Integrations
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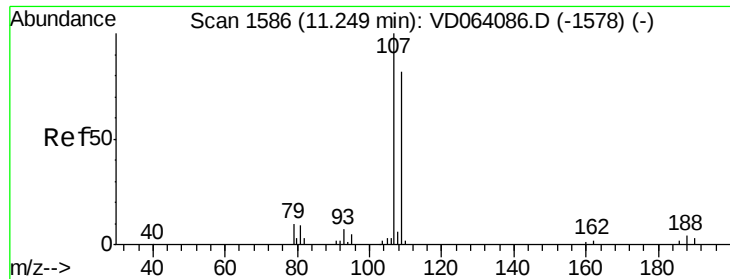
MMDadoda
11/4/2019 11:51:02 AM



#60
Dibromochloromethane
Concen: 21.200 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 129 Resp: 44400
Ion Ratio Lower Upper
129 100
127 72.4 38.3 114.8





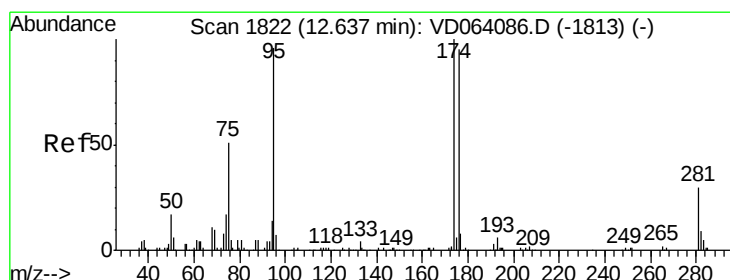
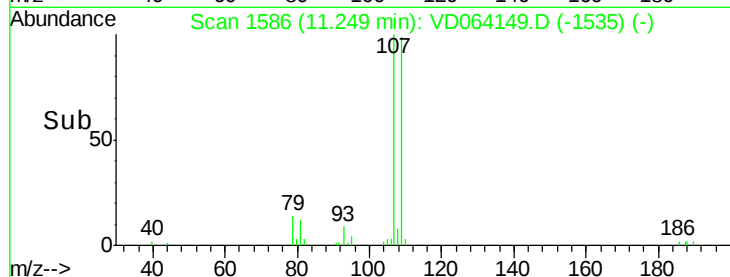
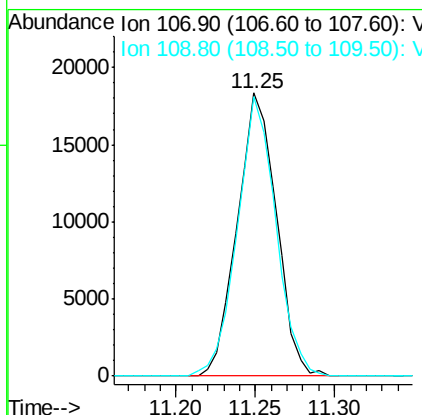
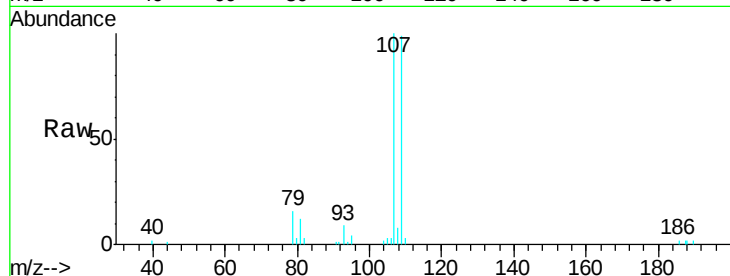
#61
 1,2-Dibromoethane
 Concen: 20.363 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

Tgt Ion: 107 Resp: 31426
 Ion Ratio Lower Upper
 107 100
 109 97.3 73.0 109.4

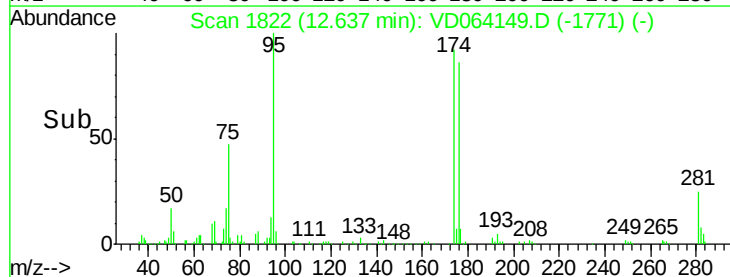
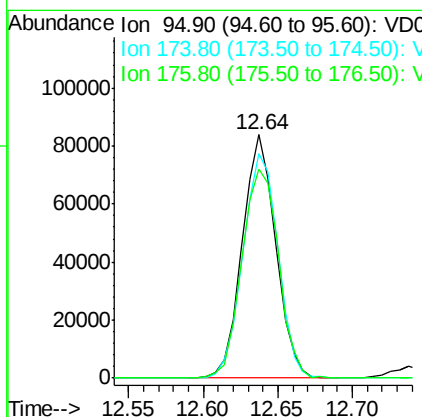
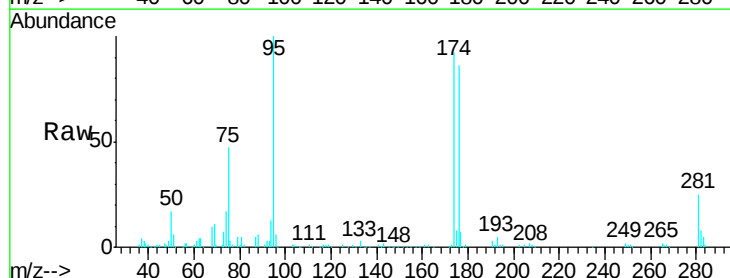
Manual Integrations
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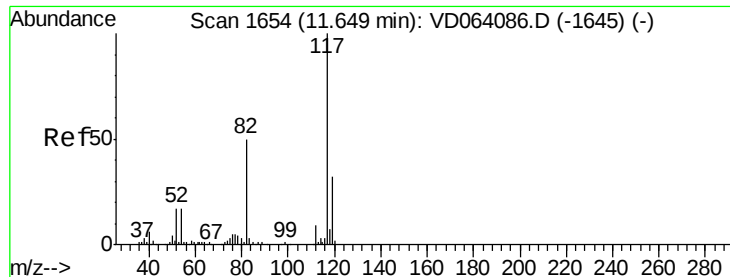
MMDadoda
 11/4/2019 11:51:02 AM



#62
 4-Bromofluorobenzene
 Concen: 52.277 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion: 95 Resp: 130125
 Ion Ratio Lower Upper
 95 100
 174 96.5 0.0 201.6
 176 93.8 0.0 192.6





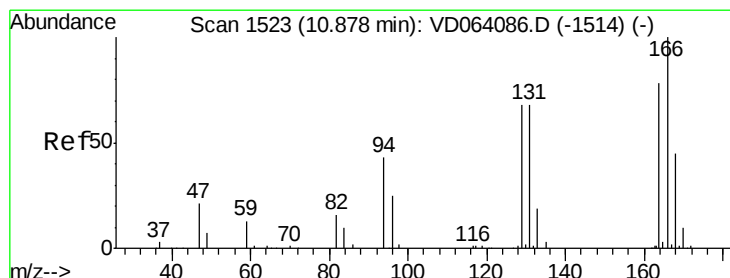
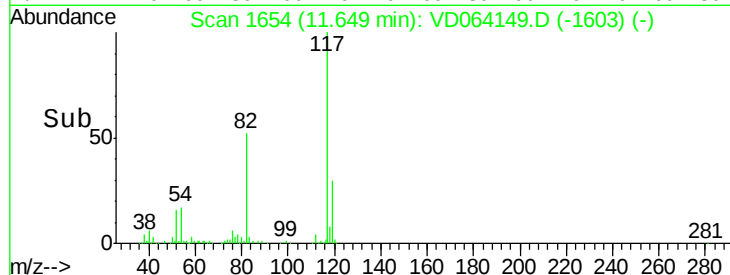
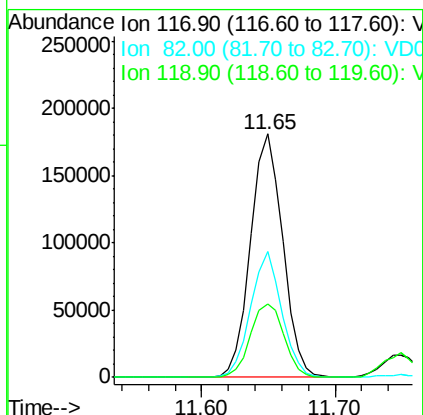
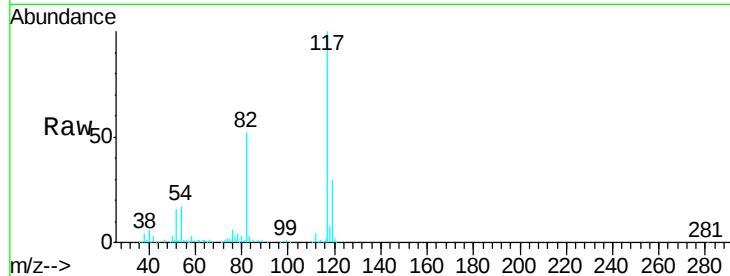
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	301686		
82	51.5	40.2	60.4	
119	30.2	26.0	39.0	

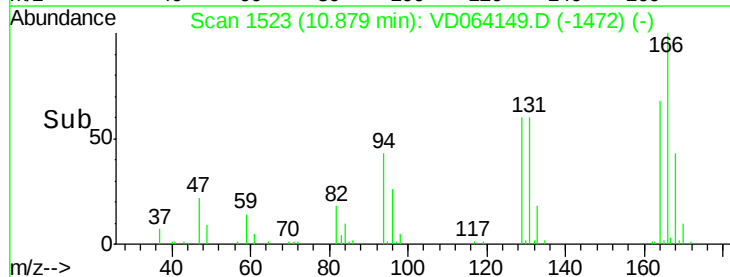
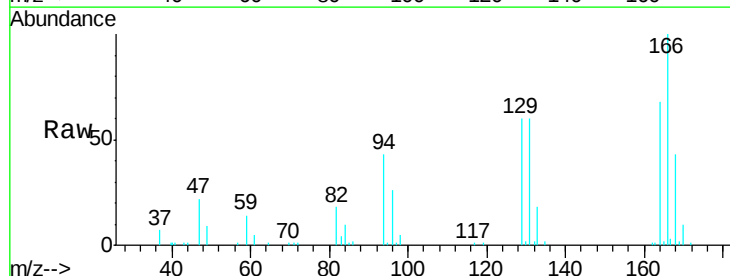
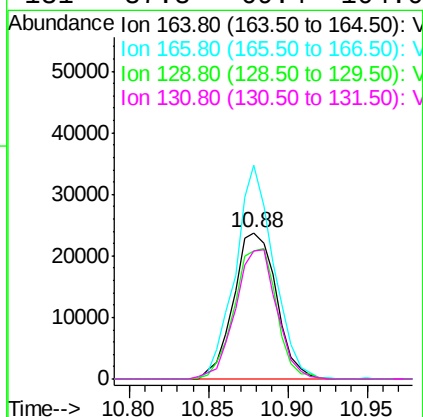
Manual Integrations
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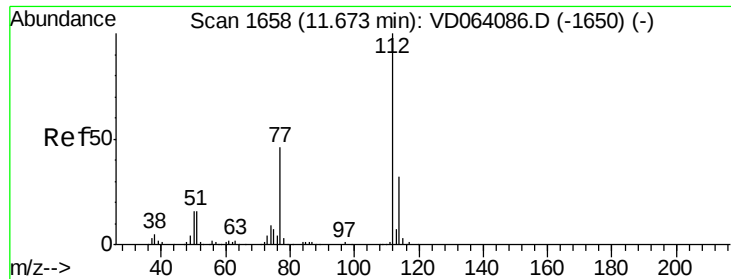
MMDadoda
11/4/2019 11:51:02 AM



#64
Tetrachloroethene
Concen: 20.521 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44476		
166	146.2	102.7	154.1	
129	87.7	69.8	104.6	
131	87.8	69.4	104.0	





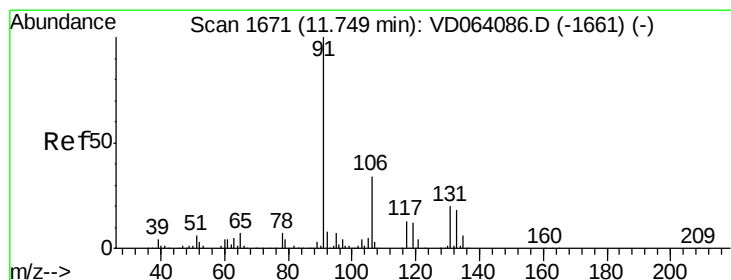
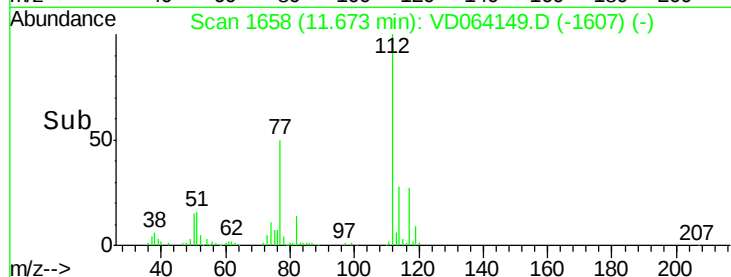
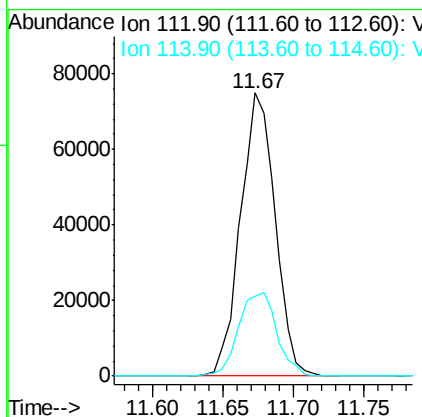
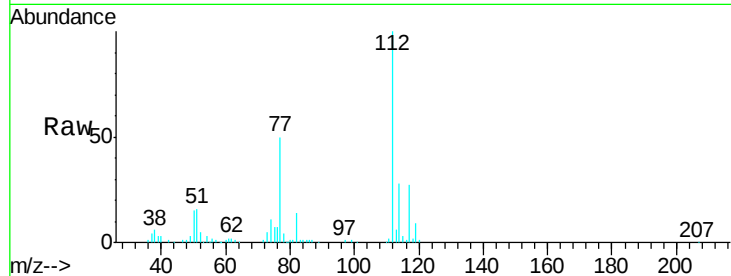
#65
Chlorobenzene
Concen: 20.706 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tgt Ion:112 Resp: 129072
Ion Ratio Lower Upper
112 100
114 28.3 25.4 38.0

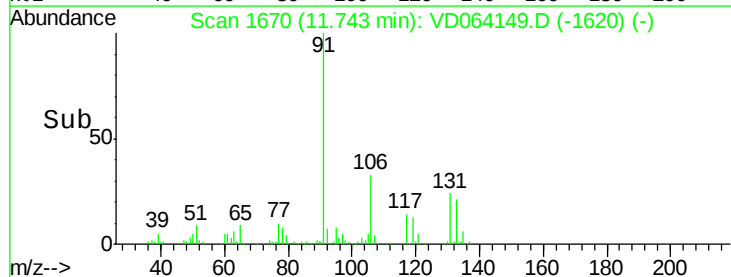
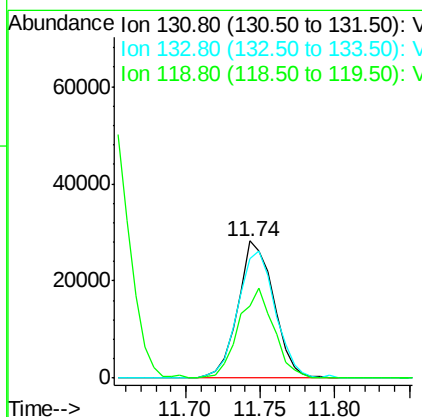
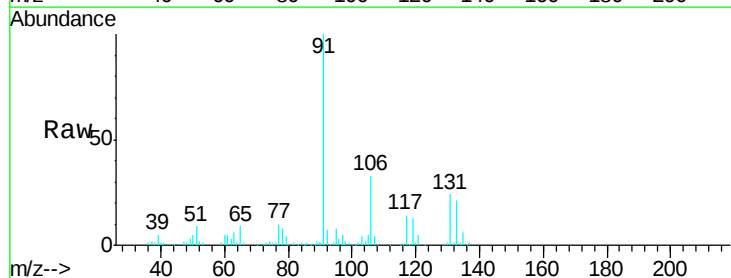
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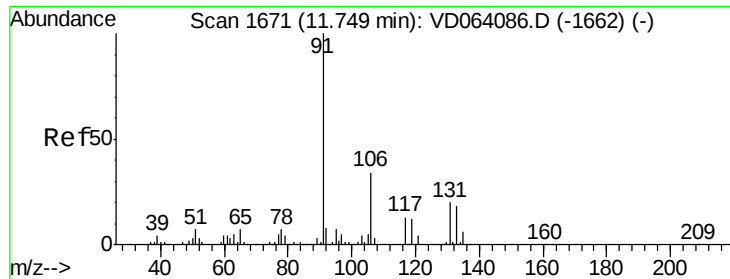
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.201 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion:131 Resp: 47118
Ion Ratio Lower Upper
131 100
133 97.7 47.6 142.9
119 64.1 31.4 94.3





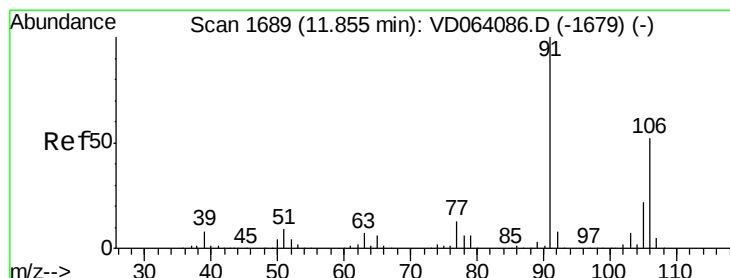
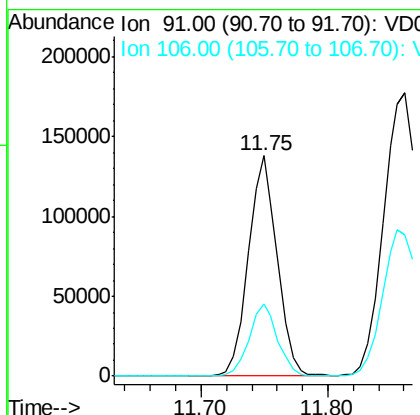
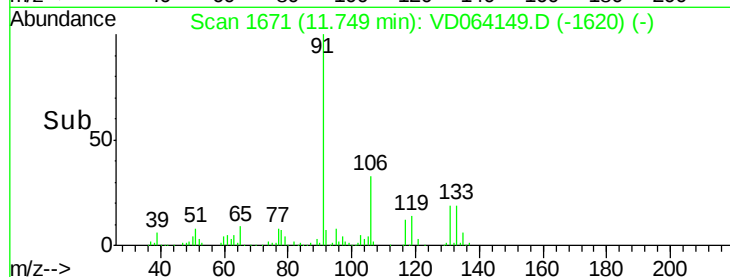
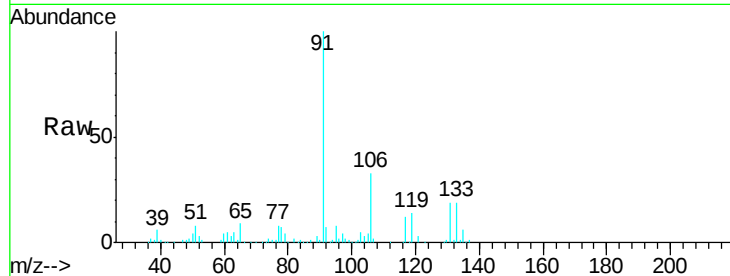
#67
Ethyl Benzene
Concen: 19.592 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tgt Ion: 91 Resp: 217221
Ion Ratio Lower Upper
91 100
106 32.8 27.0 40.6

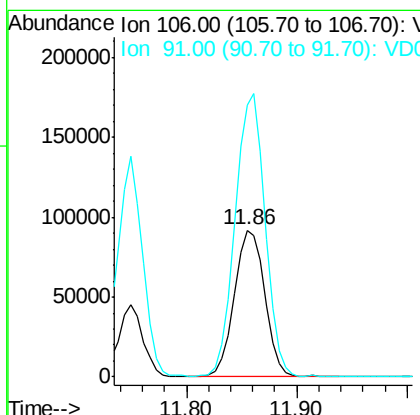
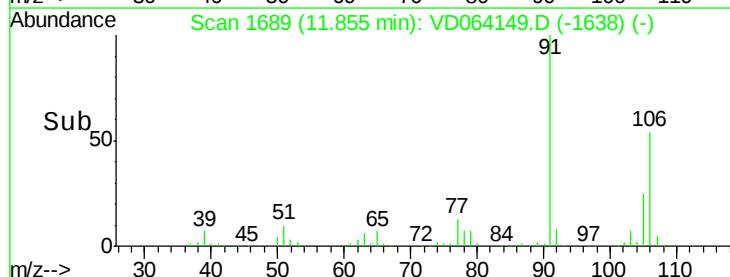
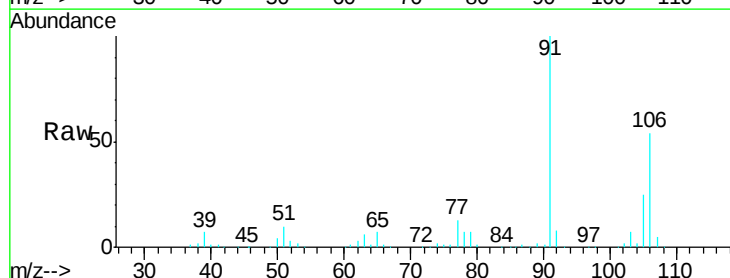
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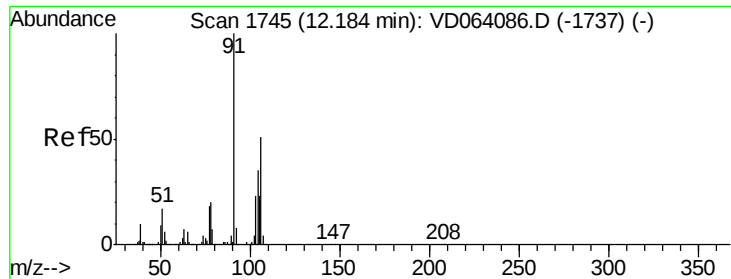
MMDadoda
11/4/2019 11:51:02 AM



#68
m/p-Xylenes
Concen: 40.125 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion: 106 Resp: 178940
Ion Ratio Lower Upper
106 100
91 190.1 154.0 231.0





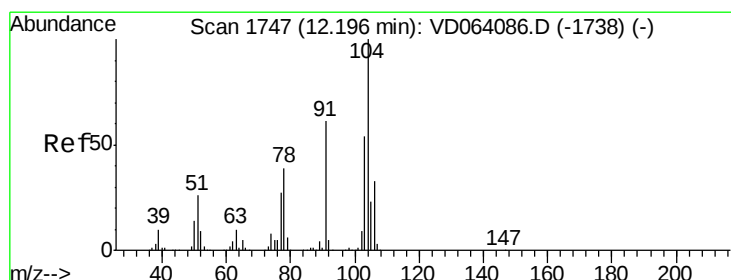
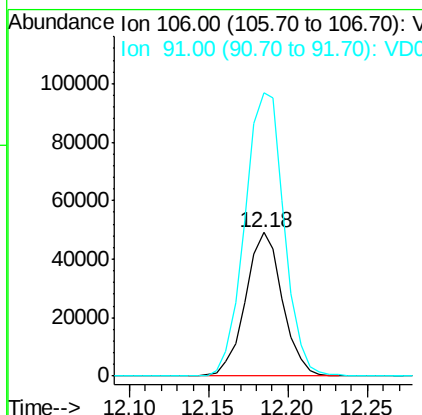
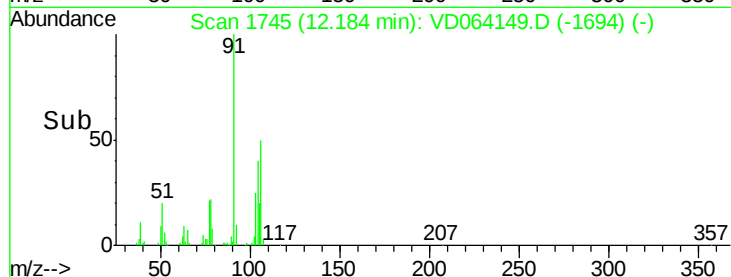
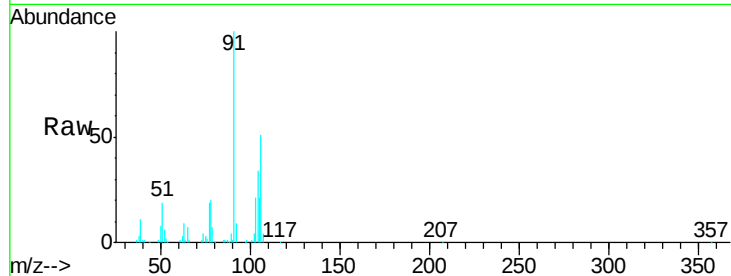
#69
o-Xylene
Concen: 19.634 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tgt Ion:106 Resp: 79910
Ion Ratio Lower Upper
106 100
91 208.7 100.6 301.9

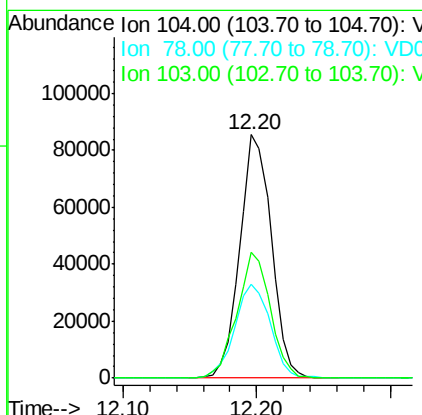
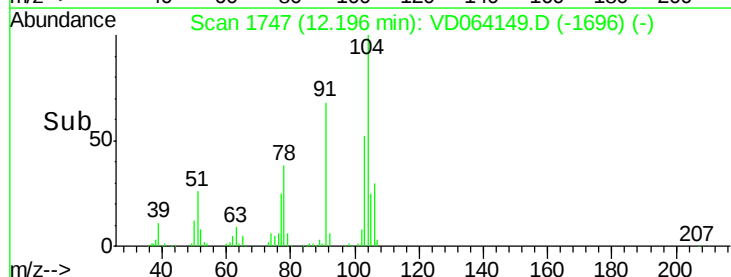
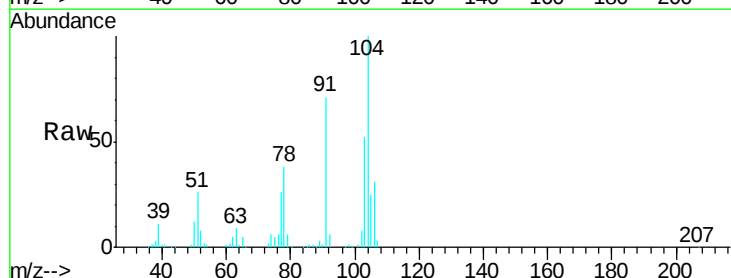
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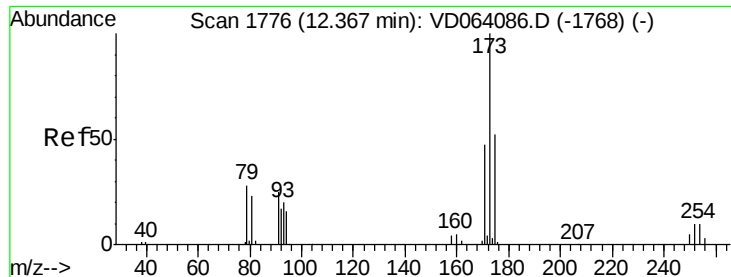
MMDadoda
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#70
Styrene
Concen: 19.908 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion:104 Resp: 139745
Ion Ratio Lower Upper
104 100
78 43.8 34.6 51.8
103 54.7 44.2 66.2





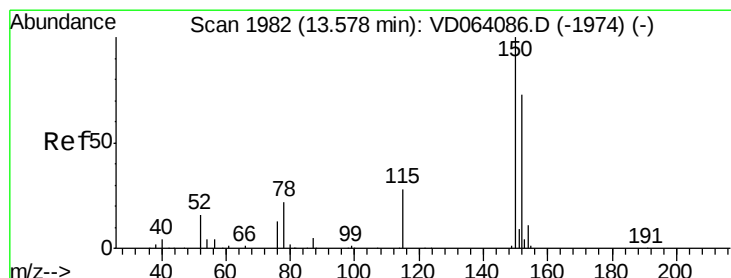
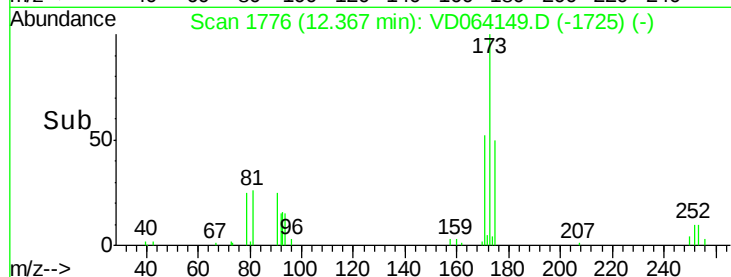
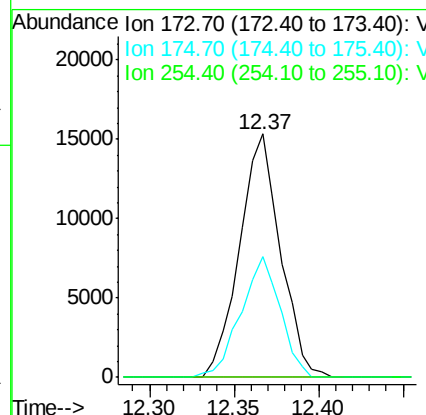
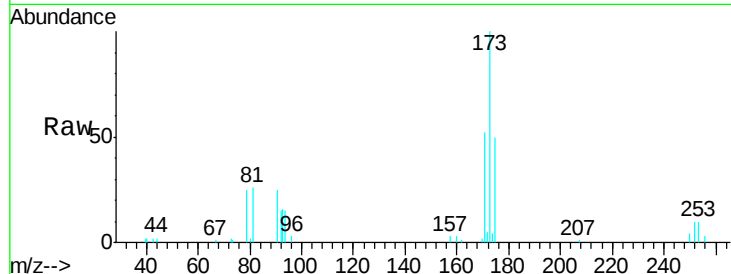
#71
Bromoform
Concen: 20.774 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	72.9
254	0.0	0.0	0.0

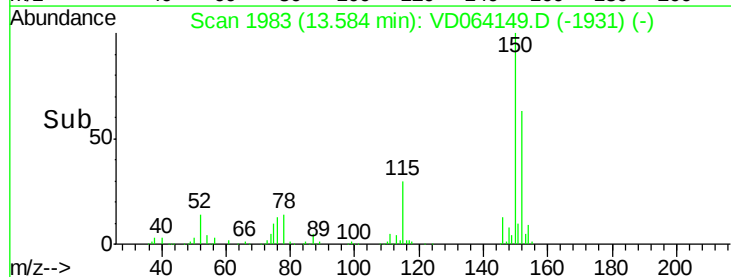
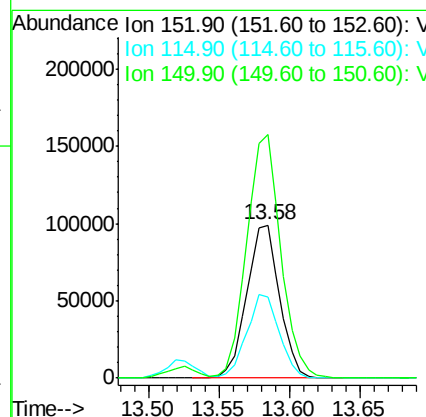
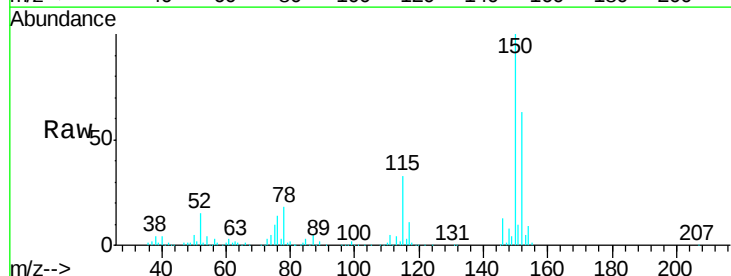
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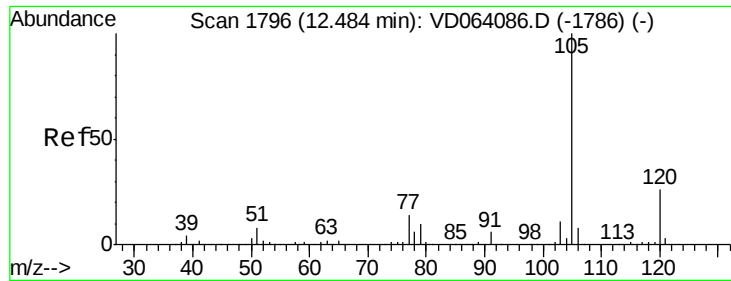
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	26.2	78.6
150	165.4	0.0	338.8





#73

Isopropylbenzene

Concen: 19.546 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBSD01

Tgt Ion: 105 Resp: 218875

Ion Ratio Lower Upper

105 100

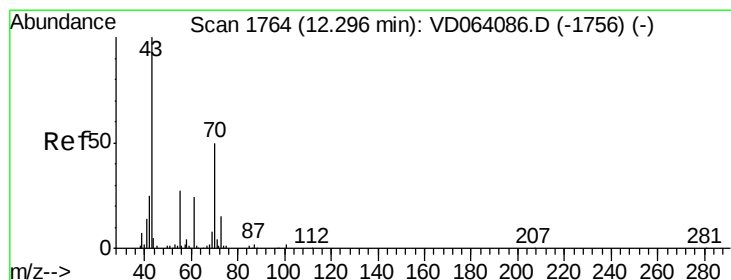
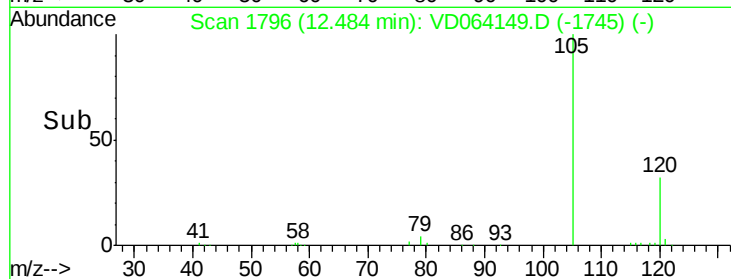
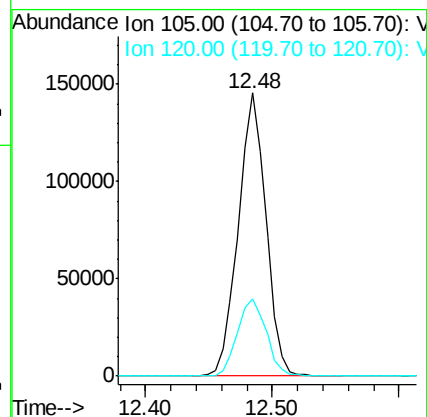
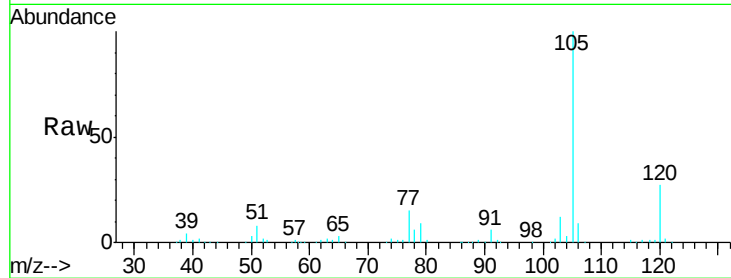
120 28.5 13.3 39.9

Manual Integrations

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11/4/2019 11:51:02 AM



#74

N-ethyl acetate

Concen: 19.089 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Tgt Ion: 43 Resp: 35511

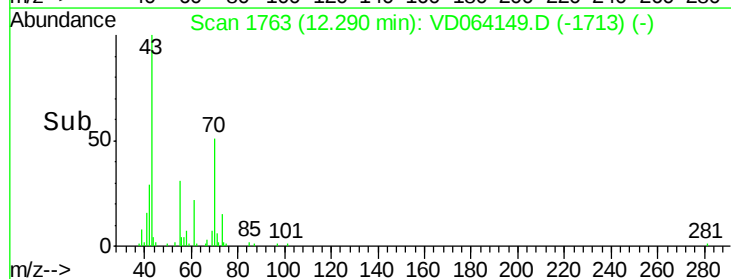
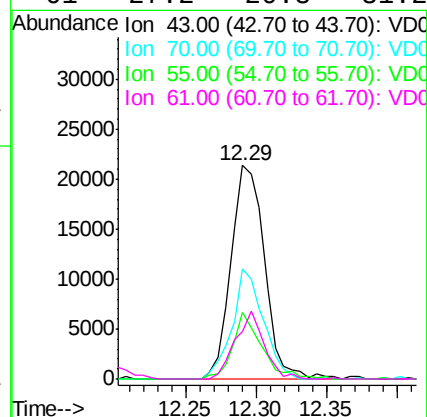
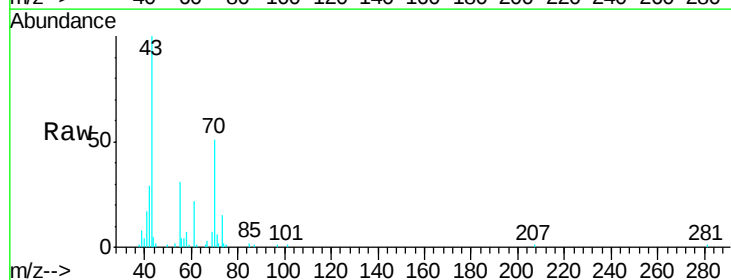
Ion Ratio Lower Upper

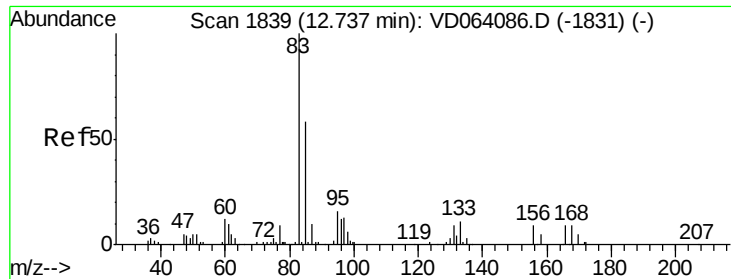
43 100

70 47.8 38.6 58.0

55 27.0 20.4 30.6

61 27.2 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.053 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleID :

VD1101SBSD01

Tgt Ion: 83 Resp: 35393

Ion Ratio Lower Upper

83 100

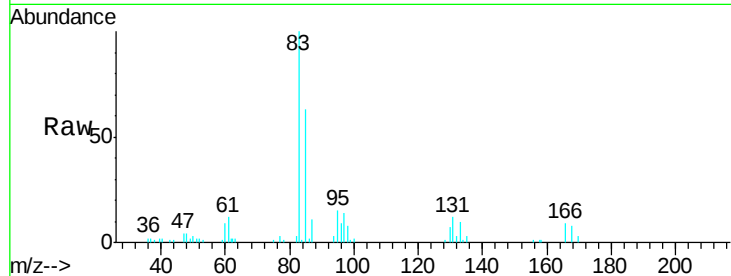
131 12.1 5.7 17.0

85 66.8 32.1 96.5

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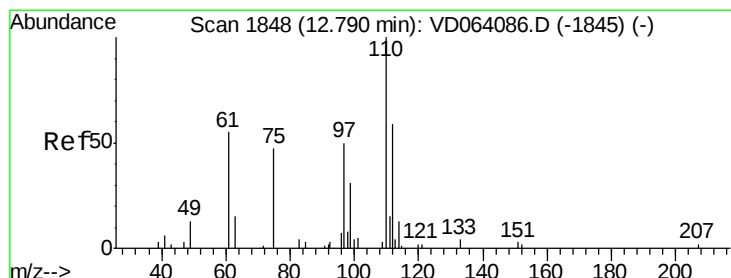
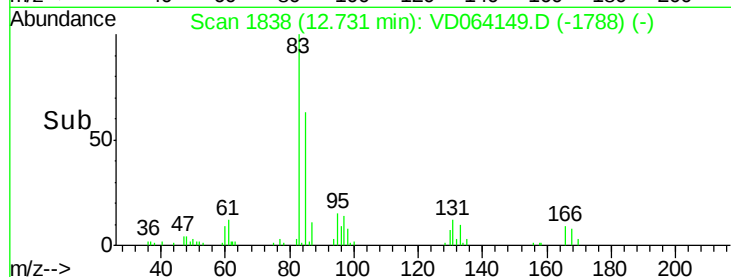
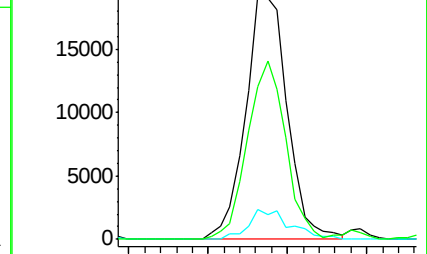
11/4/2019 11:51:02 AM



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 25.501 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064149.D

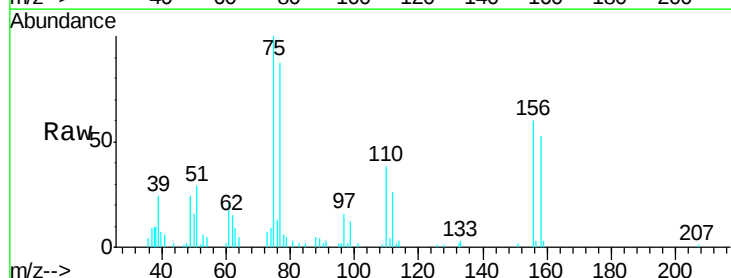
Acq: 01 Nov 2019 13:27

Tgt Ion: 75 Resp: 27612

Ion Ratio Lower Upper

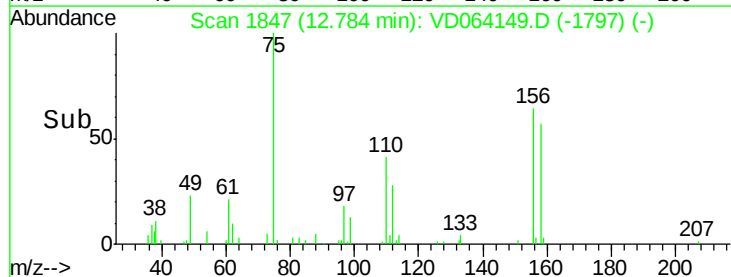
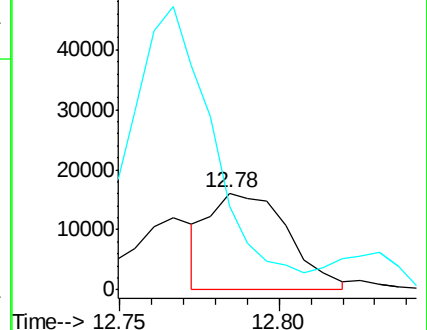
75 100

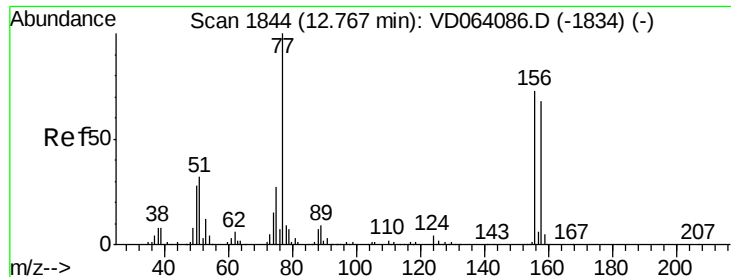
77 314.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.757 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

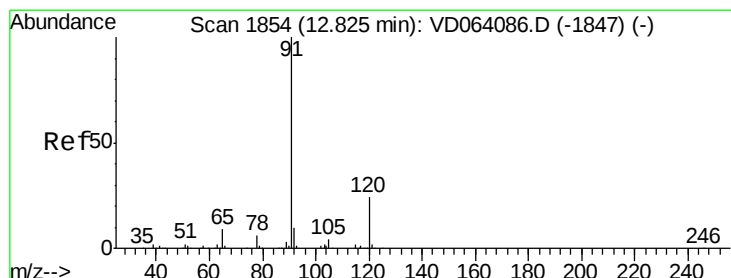
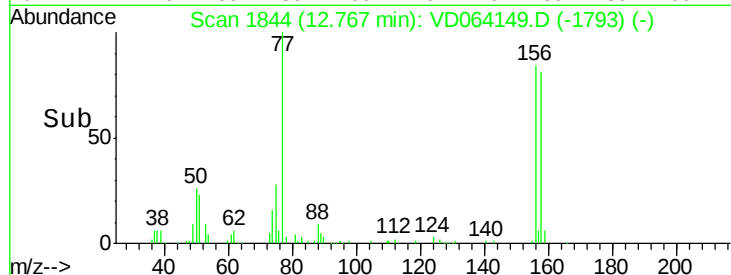
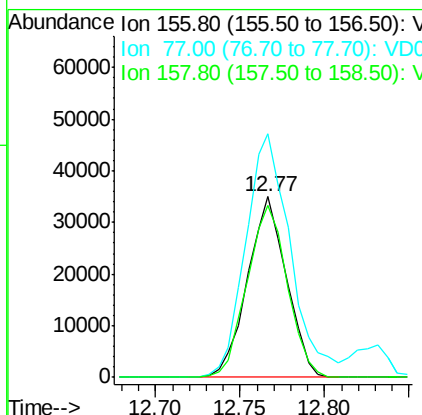
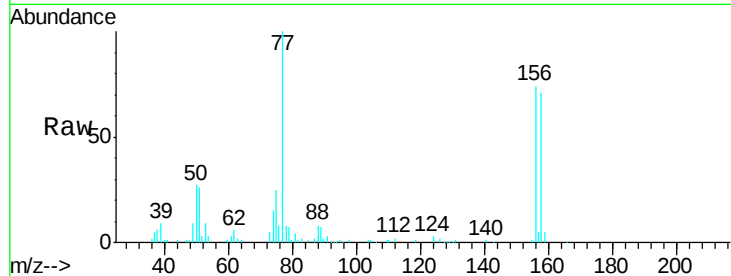
ClientSampleId :

VD1101SBSD01

Tgt Ion: 156 Resp: 56119
 Ion Ratio Lower Upper
 156 100
 77 154.5 76.0 228.0
 158 97.9 47.6 142.8

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#78

n-propylbenzene

Concen: 20.160 ug/l

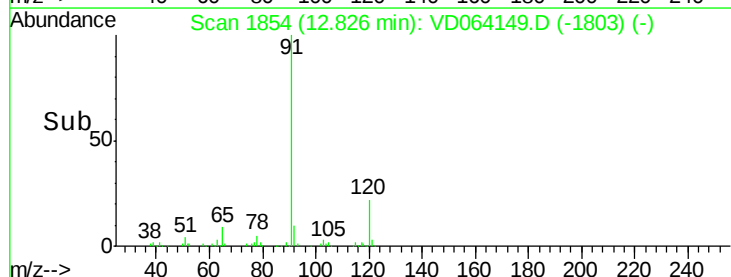
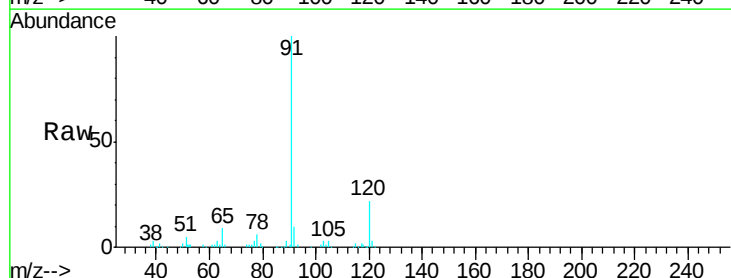
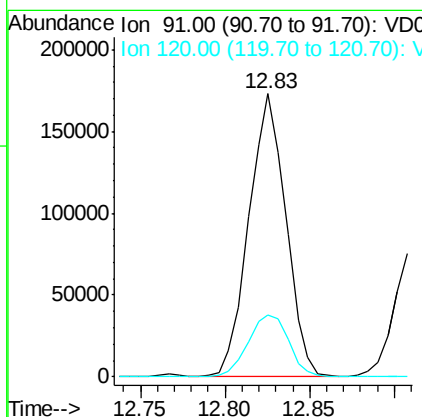
RT: 12.83 min Scan# 1854

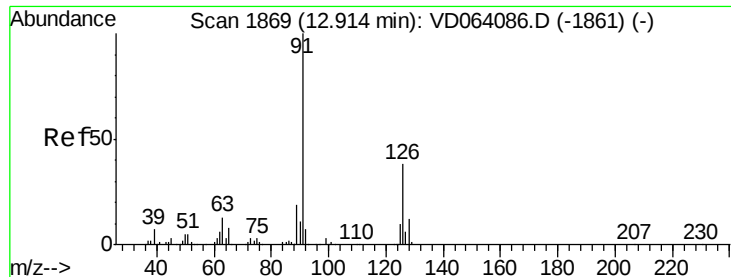
Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Tgt Ion: 91 Resp: 264556
 Ion Ratio Lower Upper
 91 100
 120 24.0 12.1 36.3





#79

2-Chlorotoluene

Concen: 19.949 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

ClientSampleId :

VD1101SBS01

Tgt Ion: 91 Resp: 140326

Ion Ratio Lower Upper

91 100

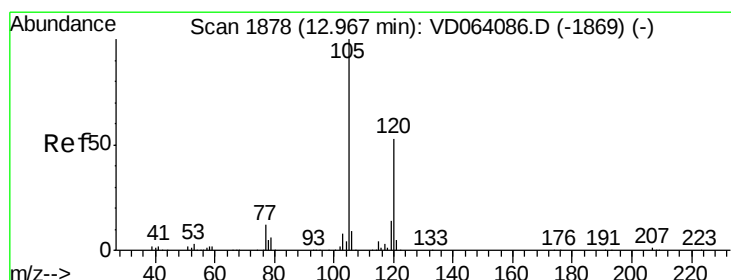
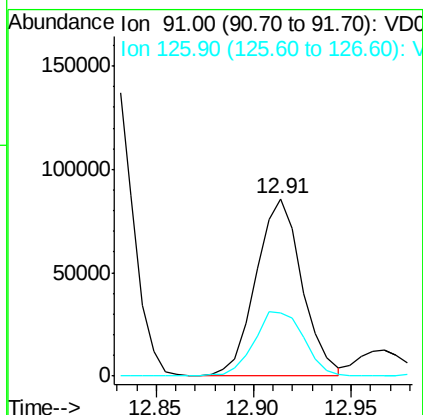
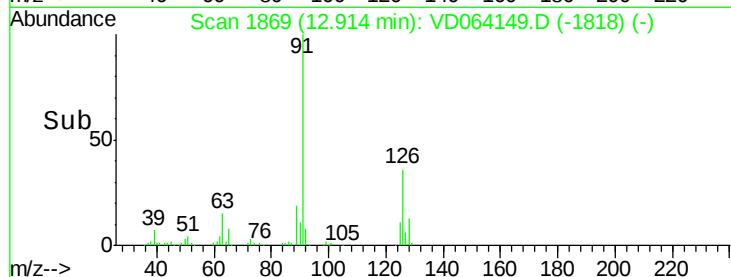
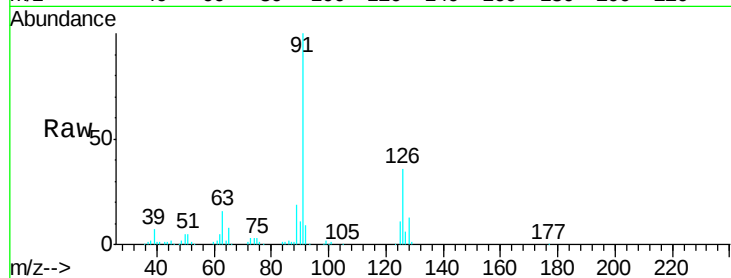
126 39.3 19.1 57.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.243 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064149.D

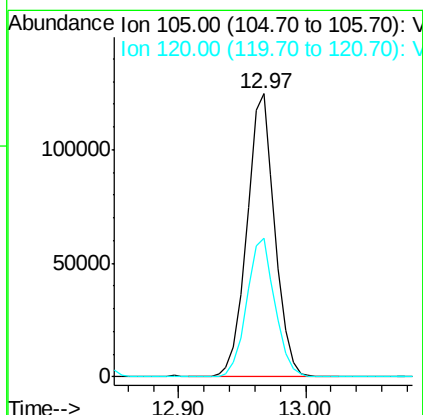
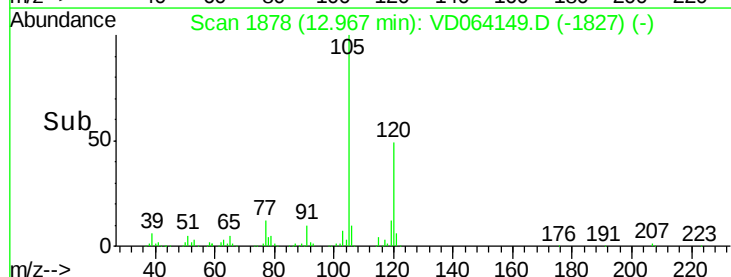
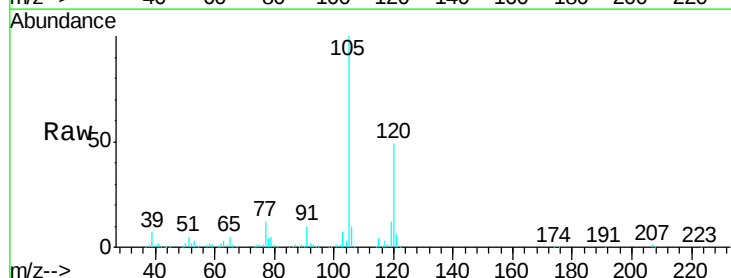
Acq: 01 Nov 2019 13:27

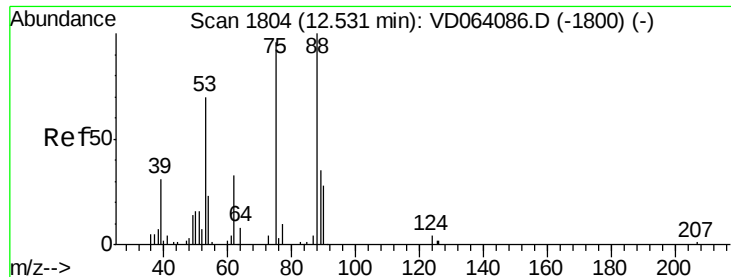
Tgt Ion: 105 Resp: 189706

Ion Ratio Lower Upper

105 100

120 49.7 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.844 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

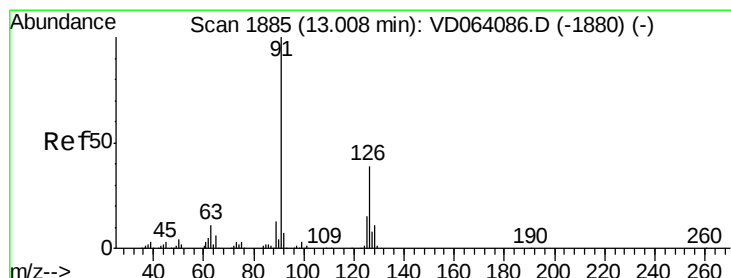
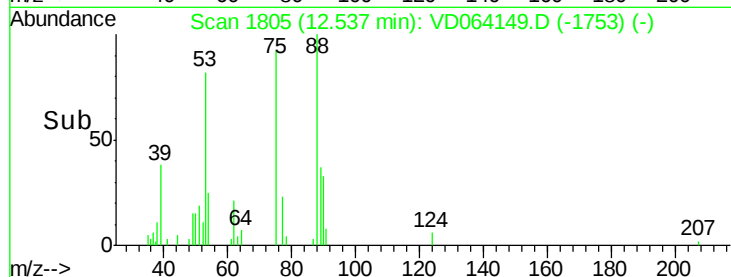
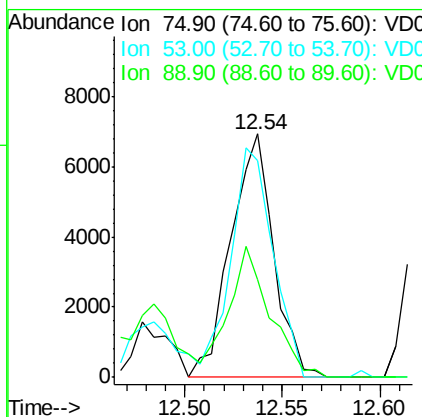
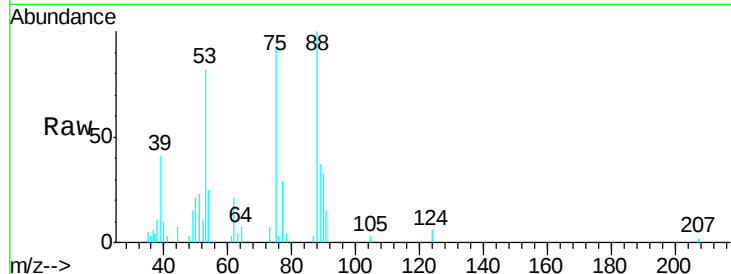
ClientSampleId :

VD1101SBSD01

Tgt Ion:	75	Resp:	10521
Ion	Ratio	Lower	Upper
75	100		
53	92.9	68.6	103.0
89	52.2	36.9	55.3

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#82

4-Chlorotoluene

Concen: 19.915 ug/l

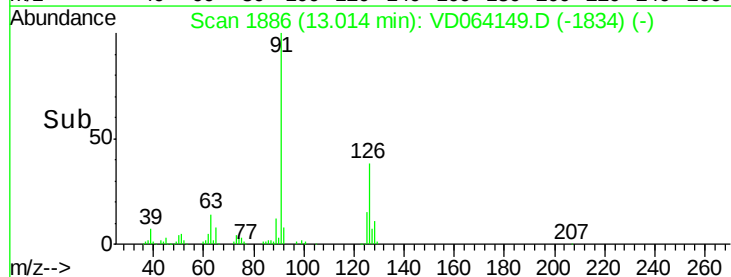
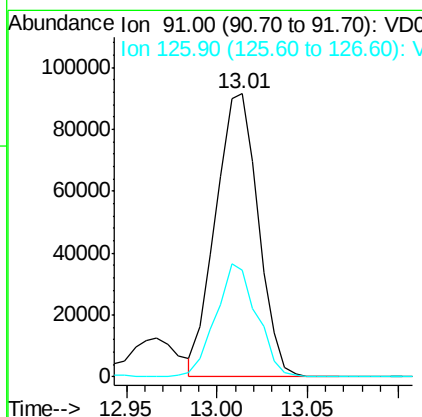
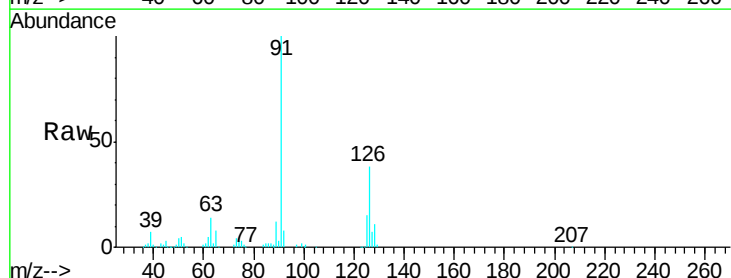
RT: 13.01 min Scan# 1886

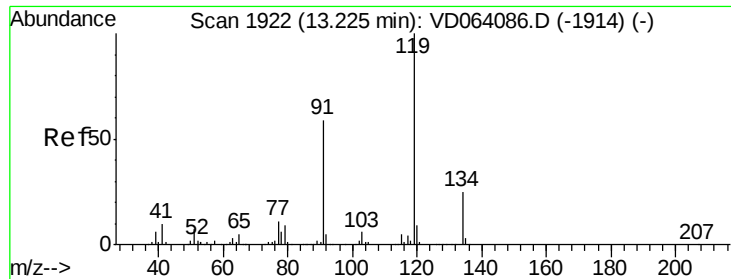
Delta R.T. 0.01 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Tgt Ion:	91	Resp:	149689
Ion	Ratio	Lower	Upper
91	100		
126	38.6	18.9	56.5





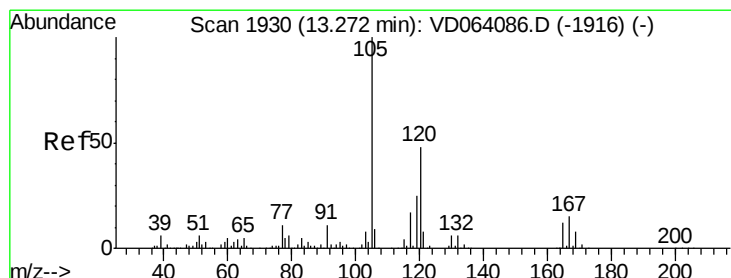
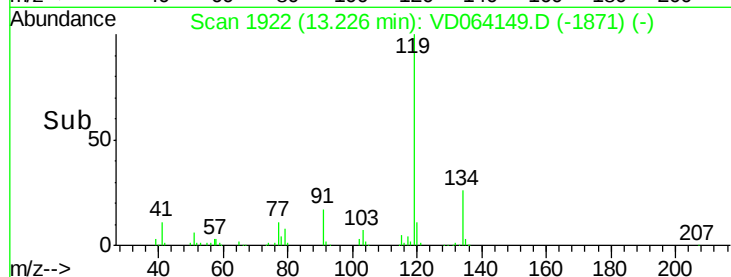
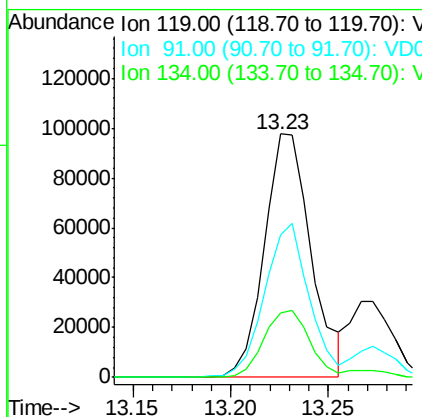
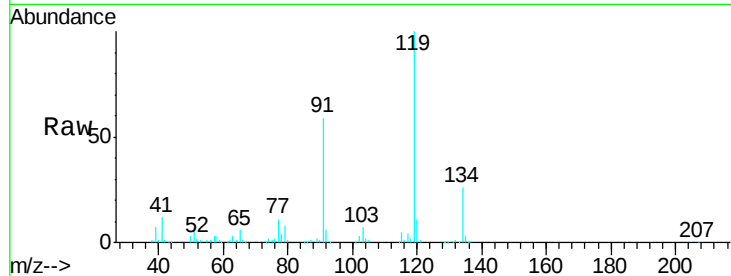
#83
tert-Butylbenzene
Concen: 19.221 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	60.2	28.3	85.0
134	27.3	12.9	38.6

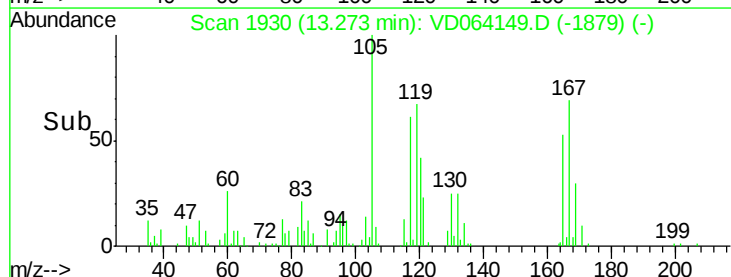
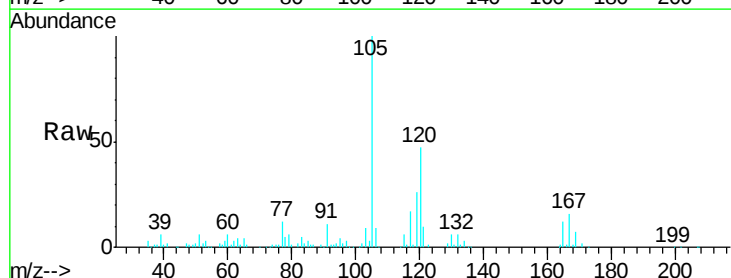
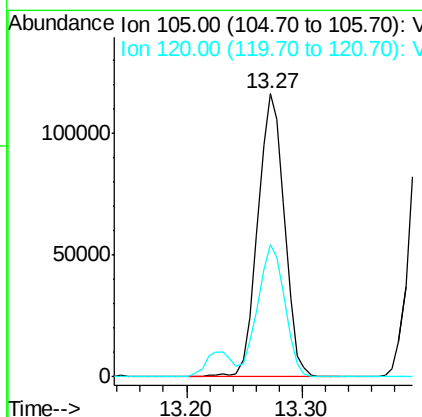
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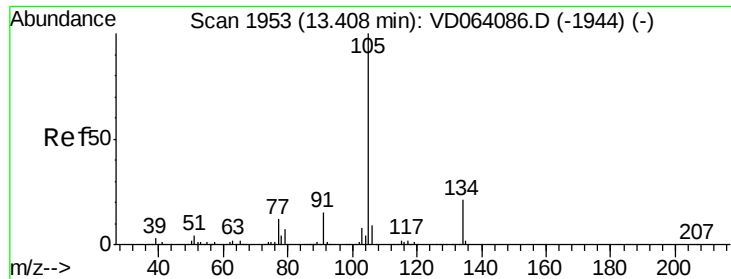
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#84
1,2,4-Trimethylbenzene
Concen: 19.804 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	24.1	72.4





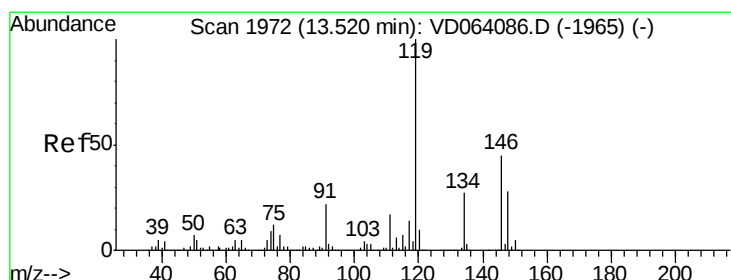
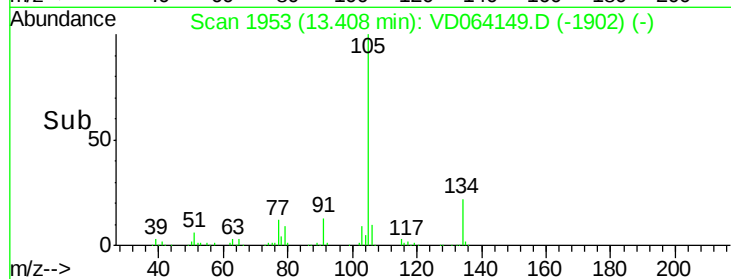
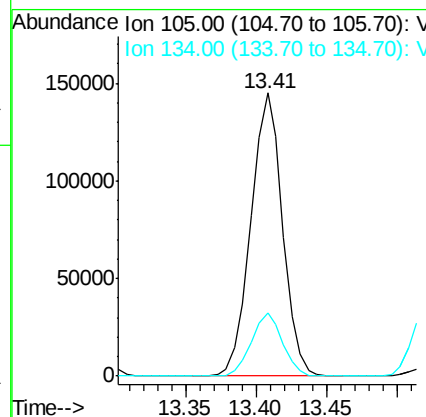
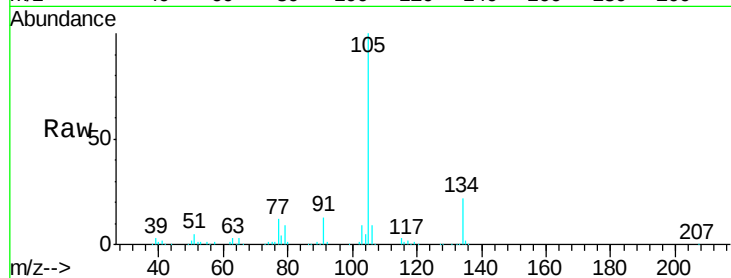
#85
 sec-Butylbenzene
 Concen: 19.676 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tgt Ion:105 Resp: 227446
 Ion Ratio Lower Upper
 105 100
 134 21.9 10.4 31.2

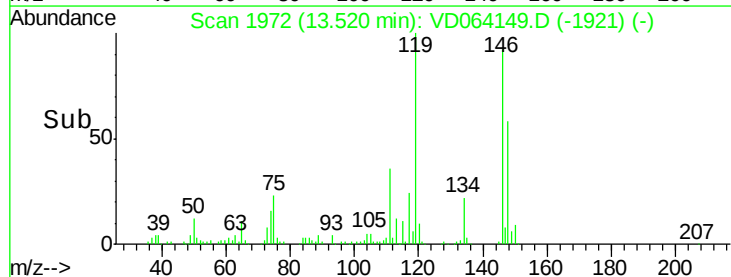
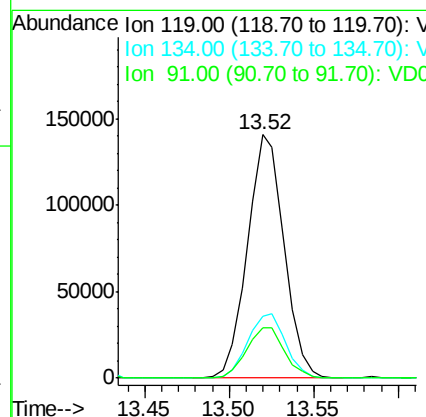
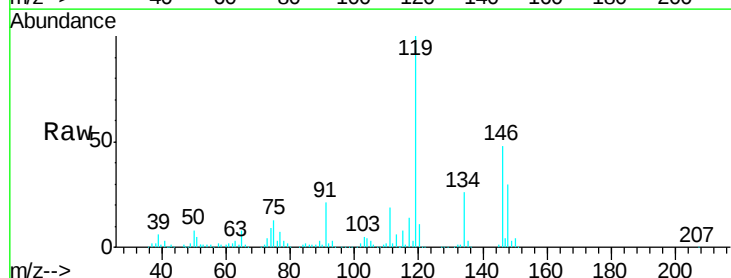
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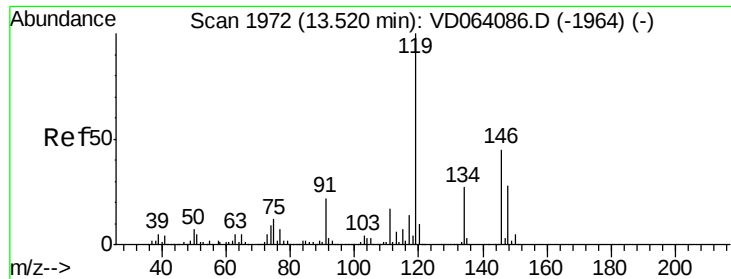
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#86
 p-Isopropyltoluene
 Concen: 19.491 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion:119 Resp: 211691
 Ion Ratio Lower Upper
 119 100
 134 27.5 13.6 40.8
 91 21.5 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 20.384 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Instrument :

MSVOA_D

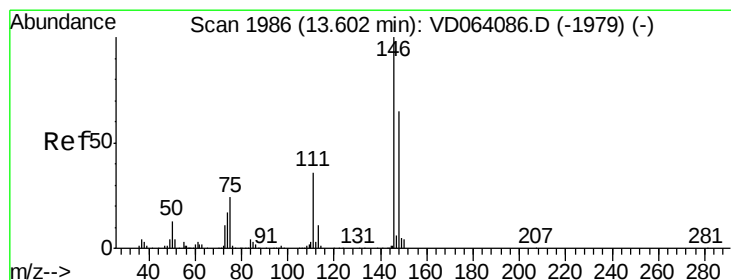
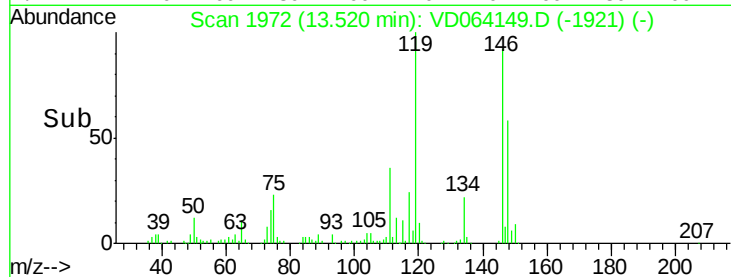
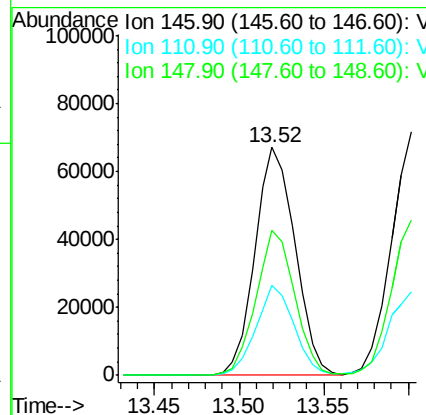
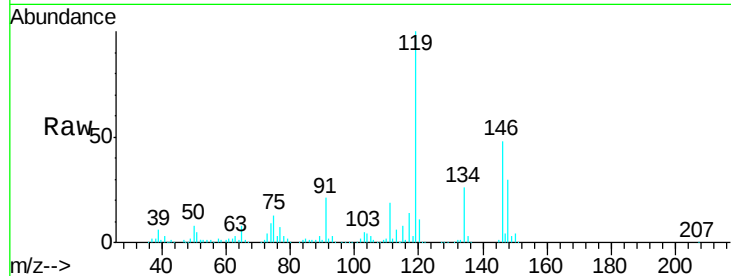
ClientSampleId :

VD1101SBSD01

Tgt Ion:	146	Resp:	110441
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.9	56.9
148	61.1	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 21.083 ug/l

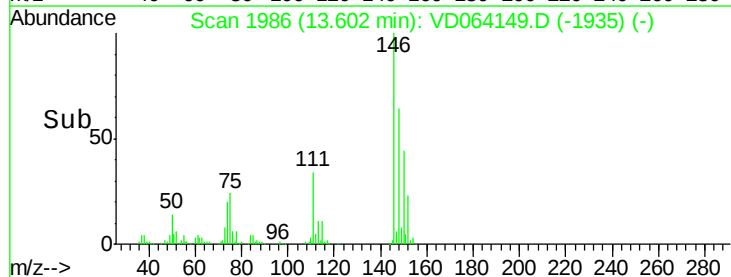
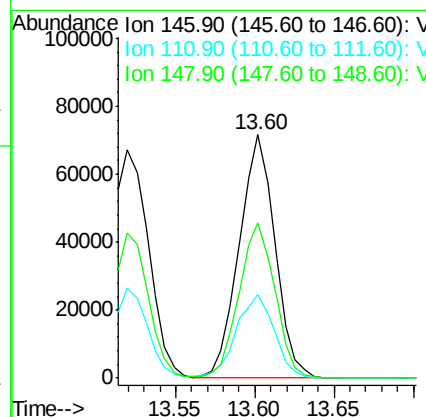
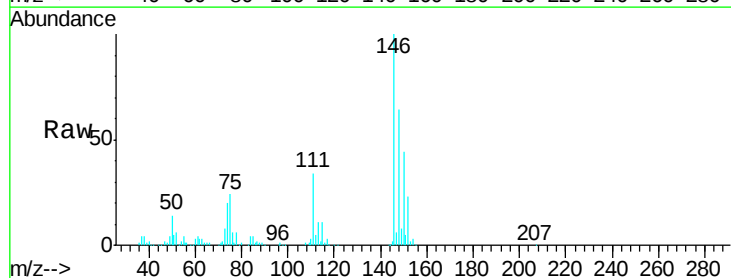
RT: 13.60 min Scan# 1986

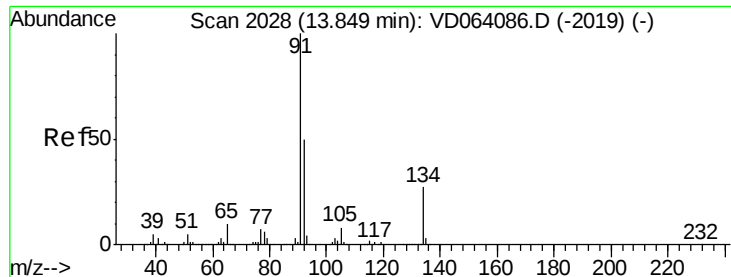
Delta R.T. 0.00 min

Lab File: VD064149.D

Acq: 01 Nov 2019 13:27

Tgt Ion:	146	Resp:	112606
Ion Ratio	Lower	Upper	
146	100		
111	36.4	18.4	55.4
148	63.8	32.4	97.0





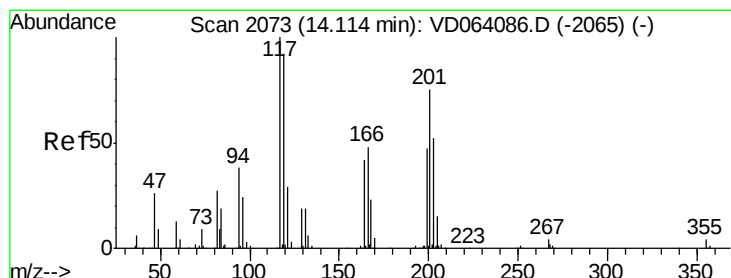
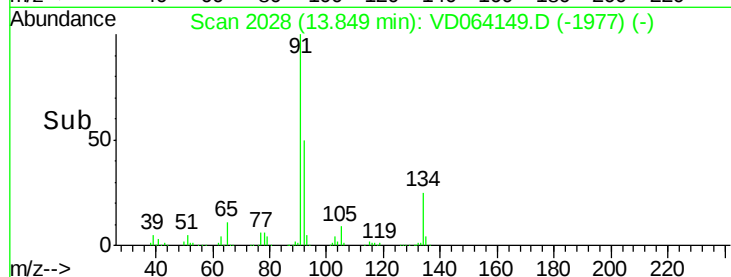
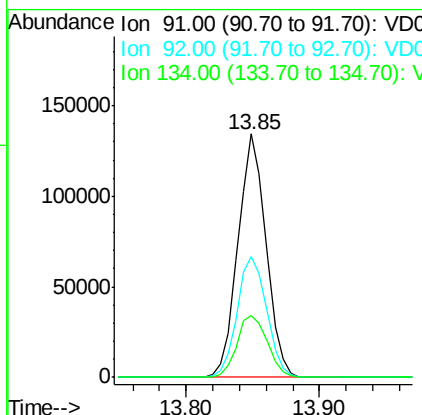
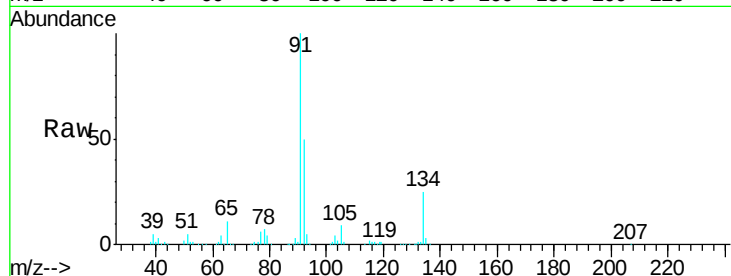
#89
n-Butylbenzene
Concen: 19.497 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	195311		
92	52.1	25.6	76.6	
134	27.5	14.0	42.0	

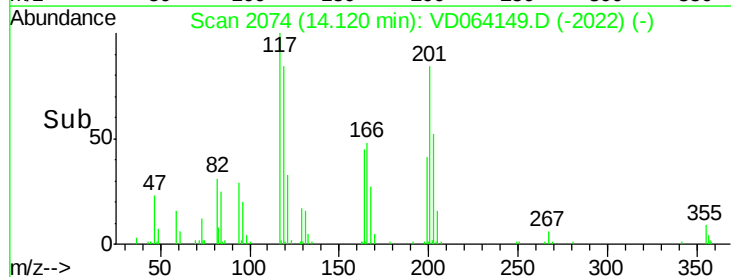
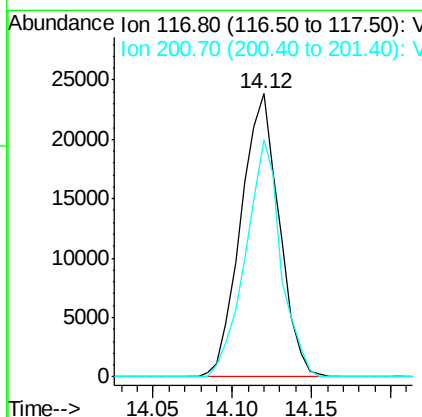
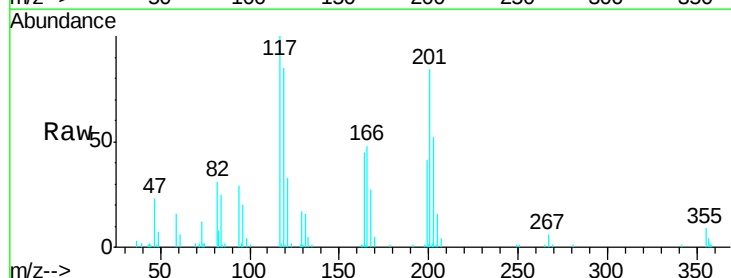
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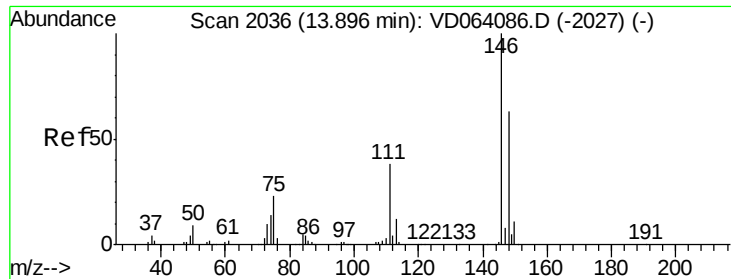
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#90
Hexachloroethane
Concen: 19.706 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40070		
201	77.1	38.4	115.2	





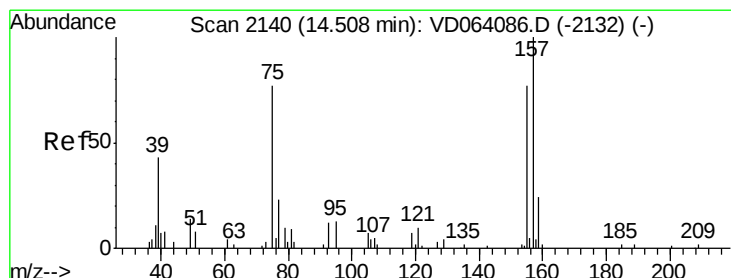
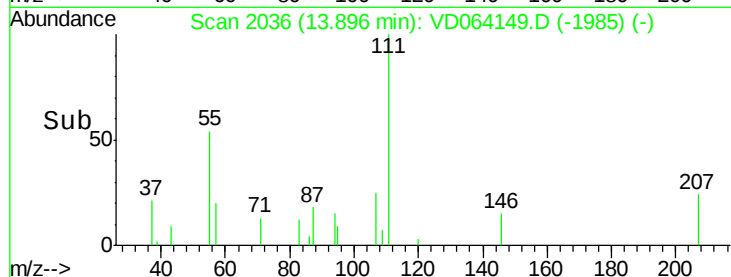
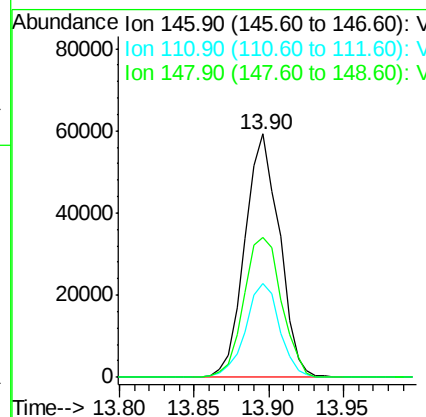
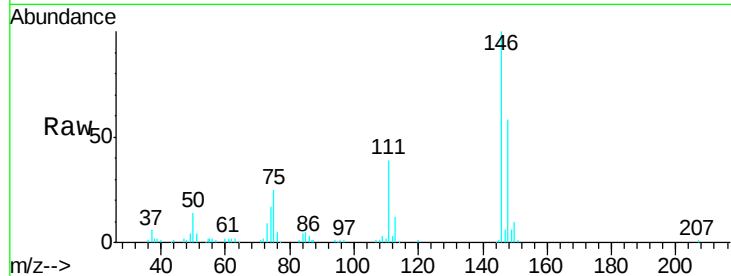
#91
 1,2-Dichlorobenzene
 Concen: 20.391 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	62.7	32.1	96.5

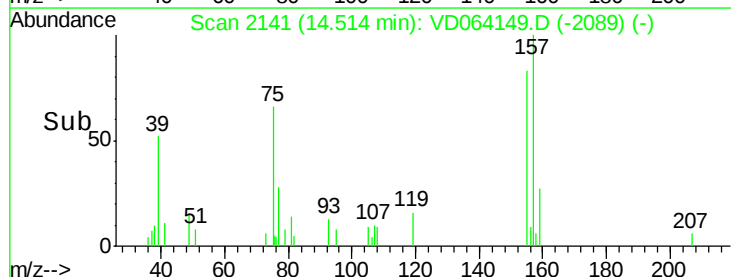
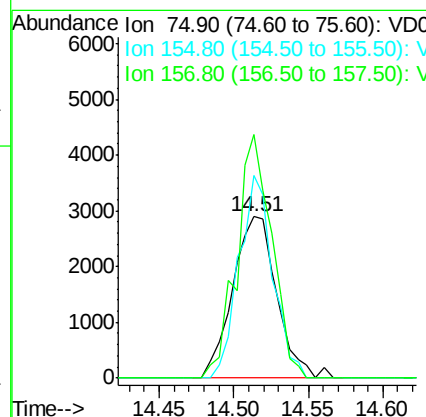
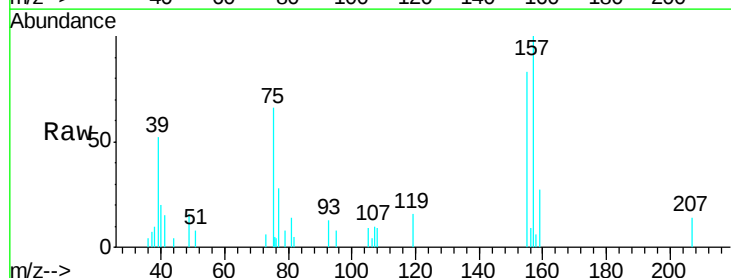
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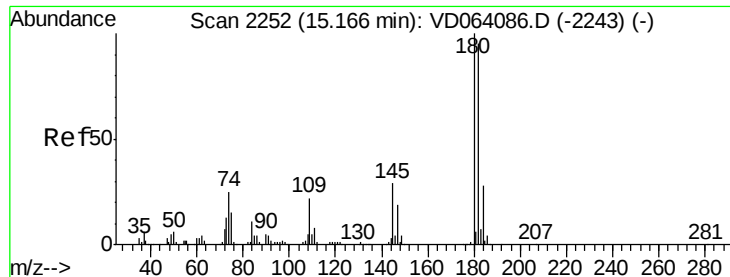
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 11/4/2019 11:51:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.121 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	56.3	168.9
157	119.3	72.2	216.6





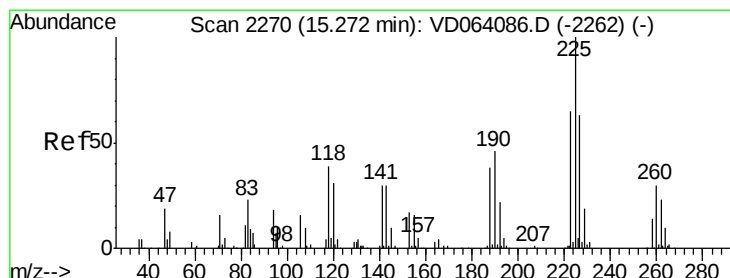
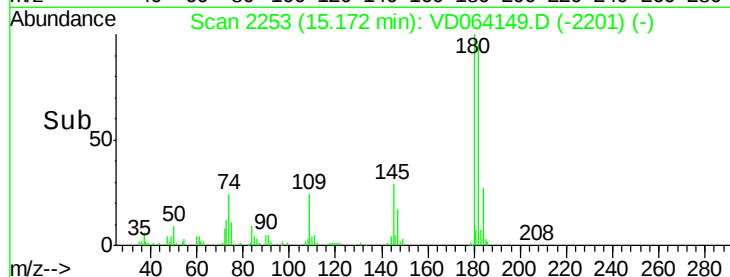
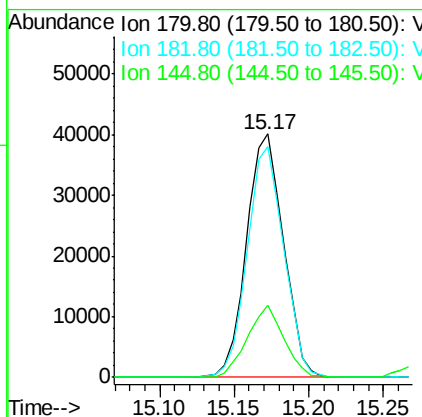
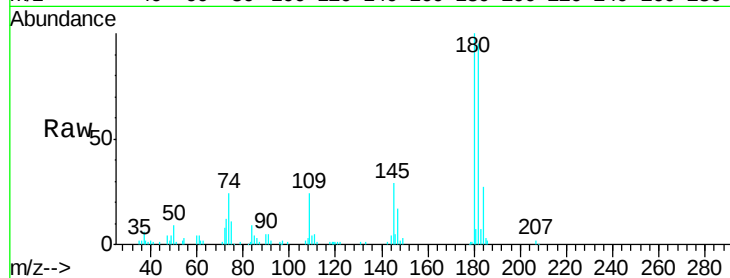
#93
 1,2,4-Trichlorobenzene
 Concen: 20.406 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1101SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	46.9	140.7
145	29.5	14.2	42.6

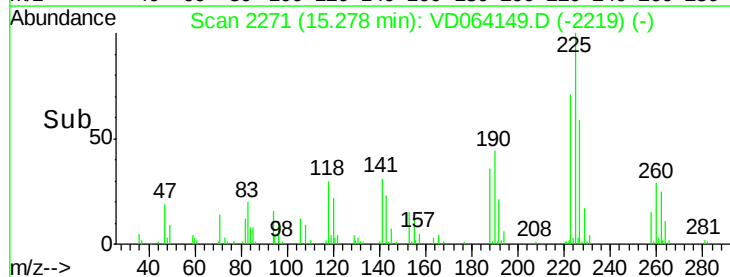
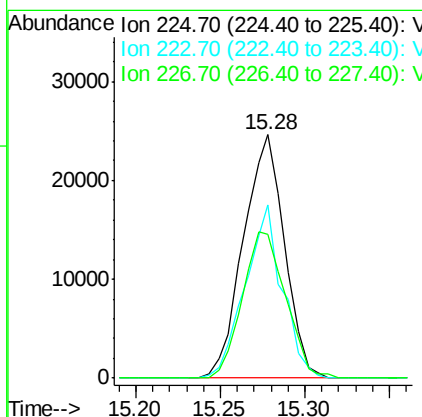
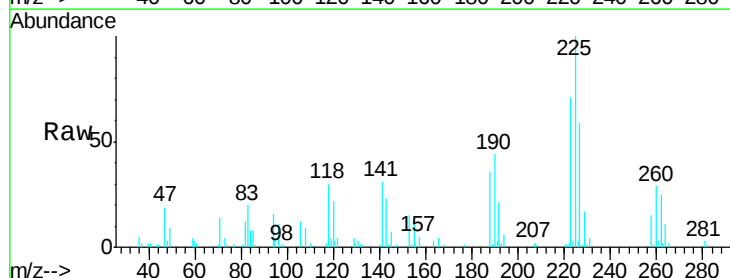
Manual Integrations
 APPROVED

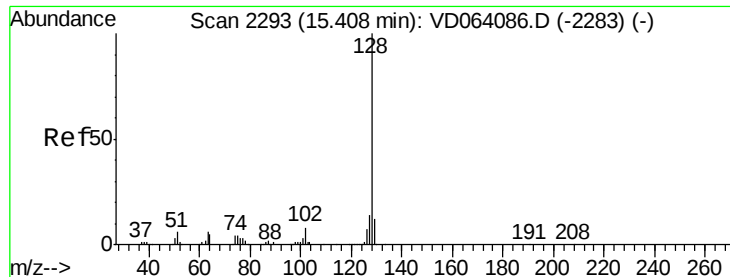
MMDadoda
 11/4/2019 11:51:02 AM



#94
 Hexachlorobutadiene
 Concen: 21.203 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064149.D
 Acq: 01 Nov 2019 13:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	30.8	92.3
227	63.3	31.7	95.1





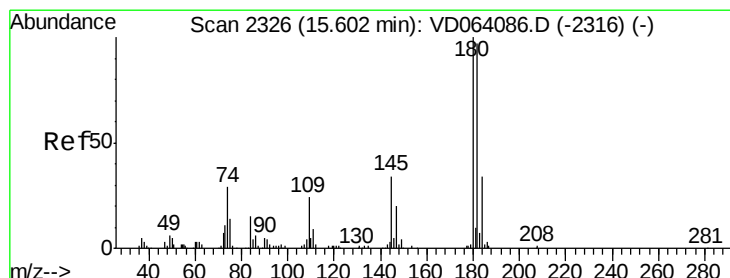
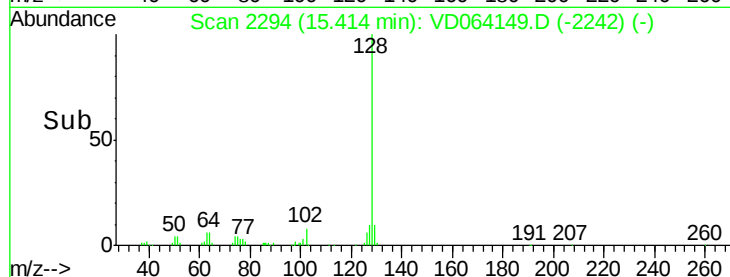
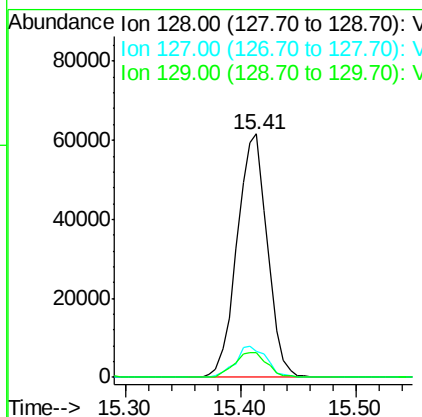
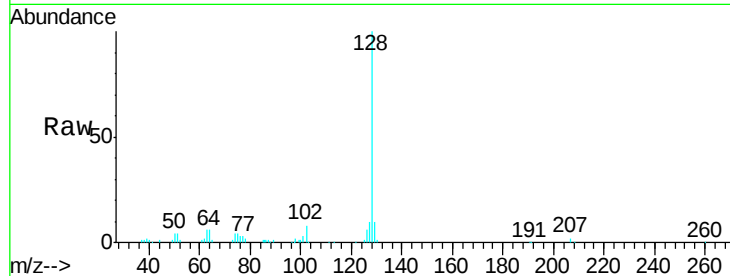
#95
Naphthalene
Concen: 20.469 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Instrument :
MSVOA_D
ClientSampleId :
VD1101SBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	111886		
127	13.1	10.9	16.3	
129	11.0	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
11/4/2019 11:51:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.540 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064149.D
Acq: 01 Nov 2019 13:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	56729		
182	99.4	48.4	145.0	
145	31.8	16.4	49.4	

