

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066557.D
 Acq On : 04 Sep 2020 12:32
 Operator : VA/SY
 Sample : VD0904SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Manual Integrations
 APPROVED

sam
 9/8/2020 5:42:50 PM

Quant Time: Sep 05 03:58:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	368413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	608905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	548007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256572	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	238032	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
35) Dibromofluoromethane	7.91	113	218136	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.34	98	801238	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
62) 4-Bromofluorobenzene	12.63	95	265954	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75013	22.488	ug/l	89
3) Chloromethane	2.21	50	102178	21.931	ug/l	97
4) Vinyl Chloride	2.35	62	110774	21.437	ug/l	99
5) Bromomethane	2.76	94	72031	19.251	ug/l #	76
6) Chloroethane	2.91	64	67685	20.622	ug/l	95
7) Trichlorofluoromethane	3.27	101	159109	20.843	ug/l	96
8) Diethyl Ether	3.70	74	37999	19.767	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84937	20.558	ug/l	98
10) Methyl Iodide	4.30	142	66569	20.266	ug/l	98
11) Tert butyl alcohol	5.21	59	37885	110.550	ug/l #	81
12) 1,1-Dichloroethene	4.06	96	77833	20.969	ug/l	91
13) Acrolein	3.93	56	18601	102.059	ug/l	85
14) Allyl chloride	4.71	41	123867	20.362	ug/l	98
15) Acrylonitrile	5.41	53	86661	104.945	ug/l #	88
16) Acetone	4.16	43	88035	107.339	ug/l	98
17) Carbon Disulfide	4.41	76	255962	20.977	ug/l	97
18) Methyl Acetate	4.71	43	40055	20.487	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	181993	20.908	ug/l	93
20) Methylene Chloride	4.96	84	104404	19.294	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	88423	20.061	ug/l	97
22) Diisopropyl ether	6.36	45	268291	21.447	ug/l	97
23) Vinyl Acetate	6.30	43	753534	105.851	ug/l	98
24) 1,1-Dichloroethane	6.26	63	164533	20.915	ug/l	98
25) 2-Butanone	7.21	43	115231	104.663	ug/l	99
26) 2,2-Dichloropropane	7.20	77	150218	20.817	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	95535	20.155	ug/l	97
28) Bromochloromethane	7.54	49	56945	18.802	ug/l	99
29) Tetrahydrofuran	7.56	42	72020	105.035	ug/l	99
30) Chloroform	7.70	83	174018	20.909	ug/l	98
31) Cyclohexane	7.99	56	149137	20.509	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	157397	20.115	ug/l	100
36) 1,1-Dichloropropene	8.11	75	130925	20.661	ug/l	98
37) Ethyl Acetate	7.29	43	53110	21.048	ug/l	99
38) Carbon Tetrachloride	8.09	117	140084	20.914	ug/l	96

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sam
 9/8/2020 5:42:50 PM

Quant Time: Sep 05 03:58:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	143223	20.241	ug/l	99
40) Benzene	8.34	78	352831	20.330	ug/l	96
41) Methacrylonitrile	7.52	41	23858	19.533	ug/l #	60
42) 1,2-Dichloroethane	8.42	62	117029	20.812	ug/l	99
43) Isopropyl Acetate	8.44	43	100056	20.691	ug/l	99
44) Trichloroethene	9.11	130	94160	20.683	ug/l	98
45) 1,2-Dichloropropane	9.38	63	90240	20.676	ug/l	94
46) Dibromomethane	9.47	93	47437	19.700	ug/l	96
47) Bromodichloromethane	9.66	83	132411	20.325	ug/l	96
48) Methyl methacrylate	9.45	41	51135	20.913	ug/l	95
49) 1,4-Dioxane	9.46	88	11410	431.917	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	250905	102.883	ug/l	99
52) Toluene	10.40	92	226167	20.587	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	118493	20.604	ug/l	91
54) cis-1,3-Dichloropropene	10.08	75	140864	20.396	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	65042	21.008	ug/l	96
56) Ethyl methacrylate	10.66	69	72739	20.178	ug/l	93
57) 1,3-Dichloropropane	10.94	76	114276	21.073	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	190692	115.653	ug/l	98
59) 2-Hexanone	10.98	43	172085	104.929	ug/l	100
60) Dibromochloromethane	11.14	129	87581	21.392	ug/l	97
61) 1,2-Dibromoethane	11.24	107	62632	20.794	ug/l	98
64) Tetrachloroethene	10.87	164	73881	20.023	ug/l	93
65) Chlorobenzene	11.67	112	236229	20.886	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	89928	20.833	ug/l	97
67) Ethyl Benzene	11.74	91	424950	20.462	ug/l	98
68) m/p-Xylenes	11.85	106	318026	41.242	ug/l	97
69) o-Xylene	12.18	106	140942	20.394	ug/l	99
70) Styrene	12.20	104	250943	20.887	ug/l	99
71) Bromoform	12.36	173	44068	20.257	ug/l #	96
73) Isopropylbenzene	12.48	105	395327	20.811	ug/l	100
74) N-amyl acetate	12.29	43	92564	21.514	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	68441	20.394	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	46810m	18.970	ug/l	
77) Bromobenzene	12.76	156	86732	20.479	ug/l	99
78) n-propylbenzene	12.82	91	486944	21.145	ug/l	99
79) 2-Chlorotoluene	12.91	91	273557	21.175	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	338680	21.183	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22459	21.249	ug/l	97
82) 4-Chlorotoluene	13.01	91	292622	21.182	ug/l	100
83) tert-Butylbenzene	13.23	119	271863	20.822	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	335806	21.095	ug/l	98
85) sec-Butylbenzene	13.40	105	387084	20.578	ug/l	99
86) p-Isopropyltoluene	13.52	119	357002	21.086	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	175298	20.849	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	172375	20.426	ug/l	98
89) n-Butylbenzene	13.85	91	338275	20.503	ug/l	99
90) Hexachloroethane	14.11	117	74256	20.355	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	151956	20.677	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12283	21.546	ug/l	94

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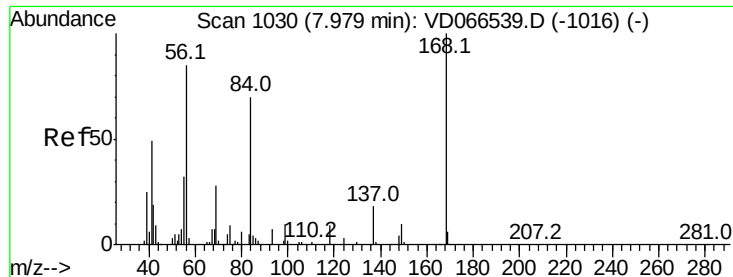
Manual Integrations
APPROVED

sam
9/8/2020 5:42:50 PM

Quant Time: Sep 05 03:58:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	90847	20.598	ug/l	97
94) Hexachlorobutadiene	15.27	225	52374	19.766	ug/l	97
95) Naphthalene	15.41	128	154754	20.080	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	78568	20.895	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

Tot Ion:168 Resp: 368413

Ion Ratio Lower Upper

168 100

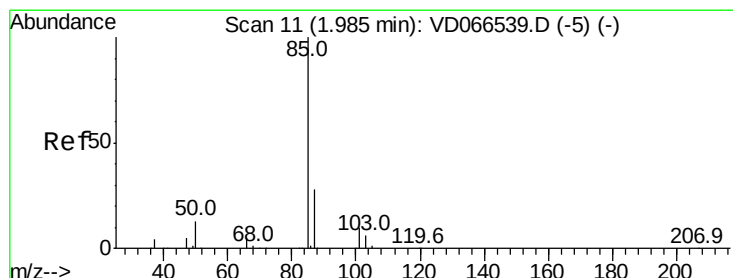
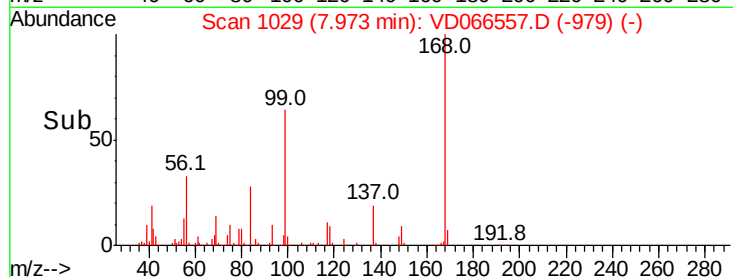
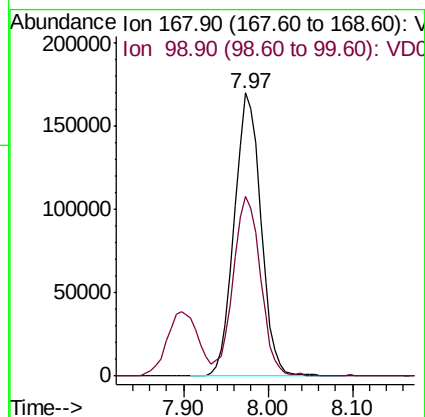
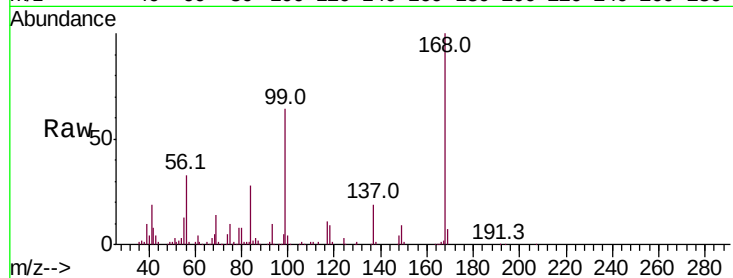
99 63.3 50.5 75.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 22.488 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066557.D

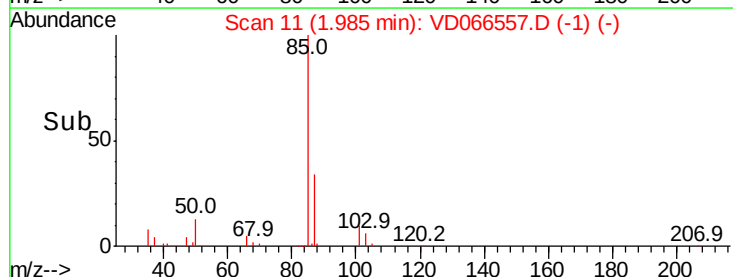
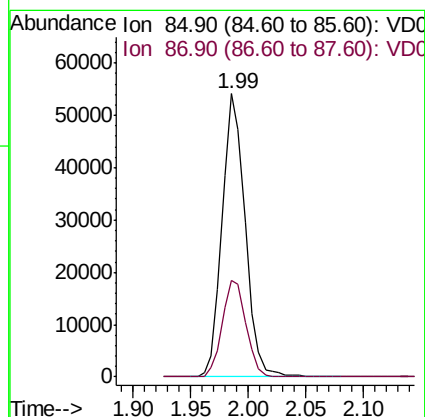
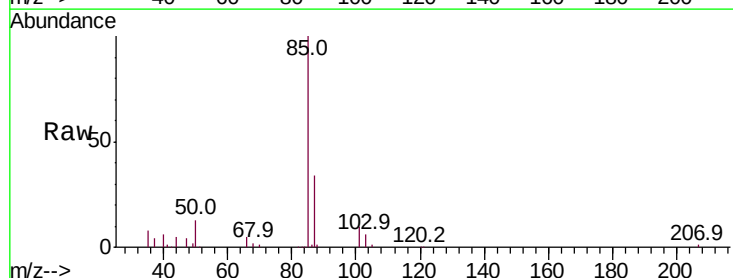
Acq: 04 Sep 2020 12:32

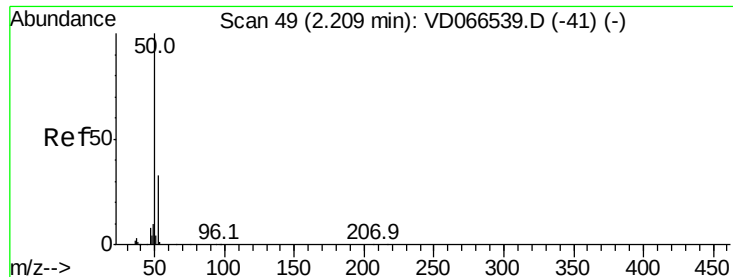
Tgt Ion: 85 Resp: 75013

Ion Ratio Lower Upper

85 100

87 34.2 14.2 42.6





#3

Chloromethane

Concen: 21.931 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

Tot Ion: 50 Resp: 102178

Ion Ratio Lower Upper

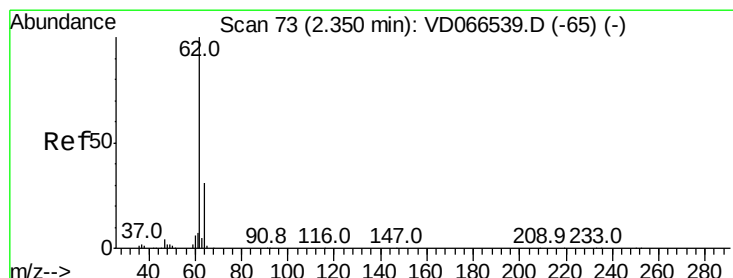
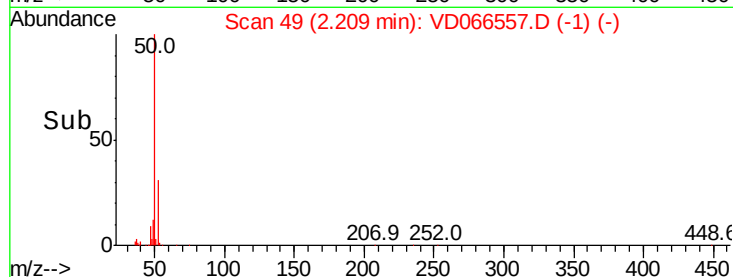
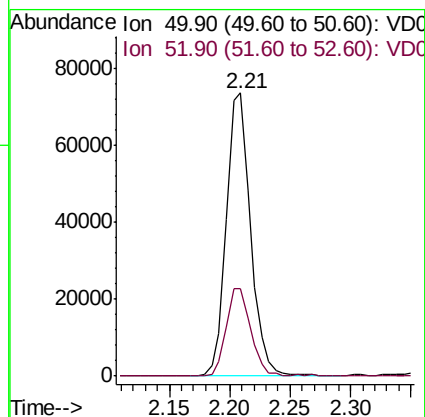
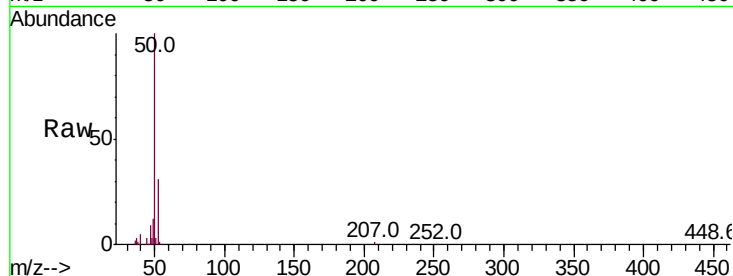
50 100

52 30.9 26.2 39.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.437 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066557.D

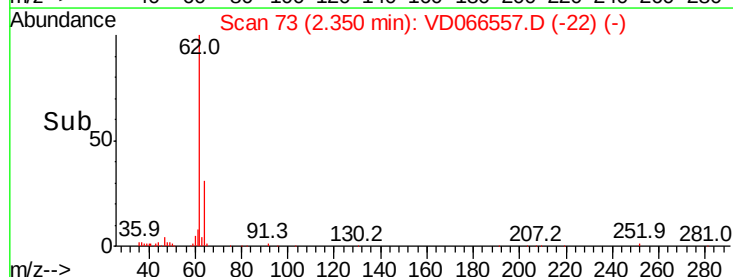
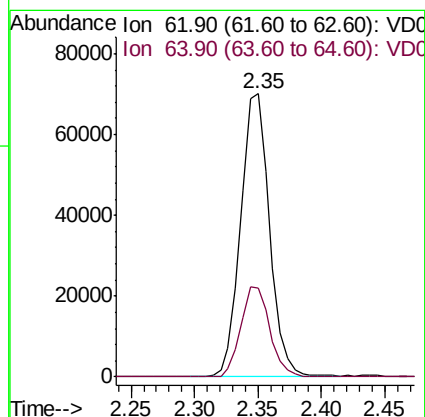
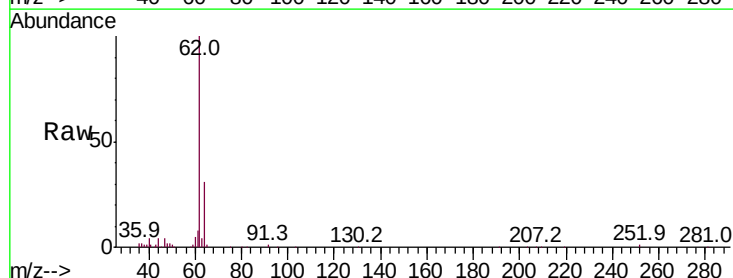
Acq: 04 Sep 2020 12:32

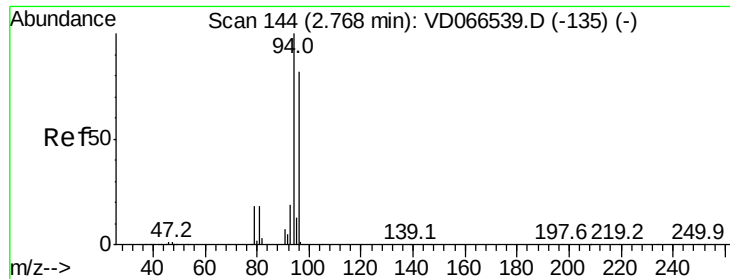
Tgt Ion: 62 Resp: 110774

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 19.251 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

Tot Ion: 94 Resp: 72031

Ion Ratio Lower Upper

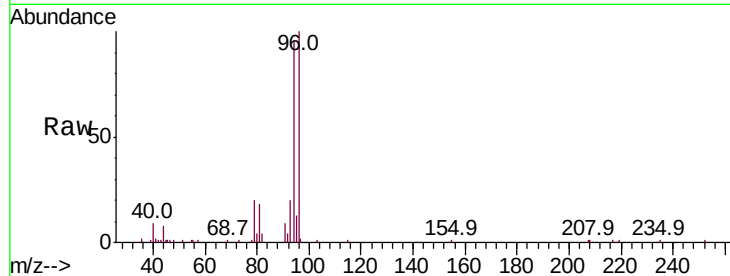
94 100

96 103.3 65.2 97.8#

Manual Integrations
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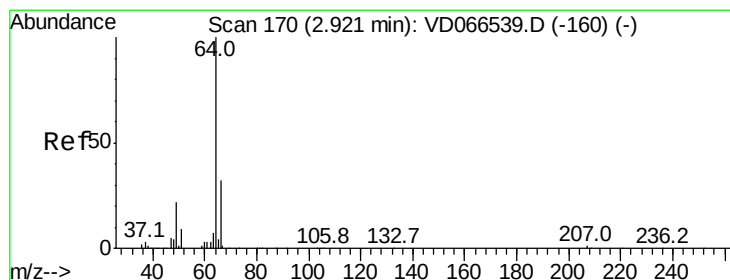
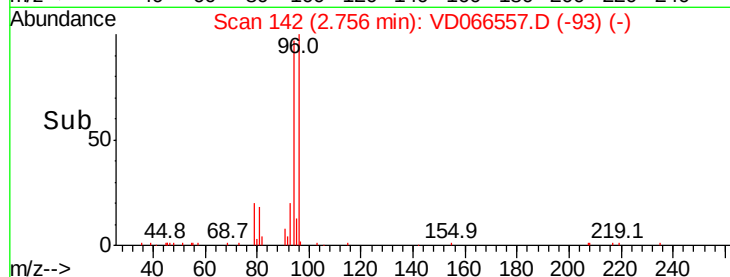
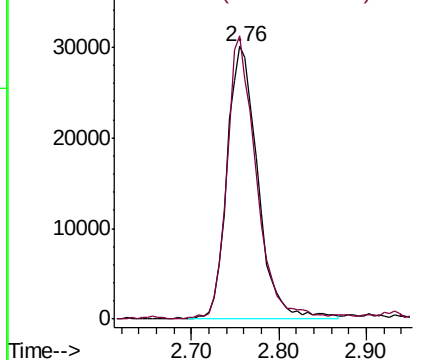
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.622 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066557.D

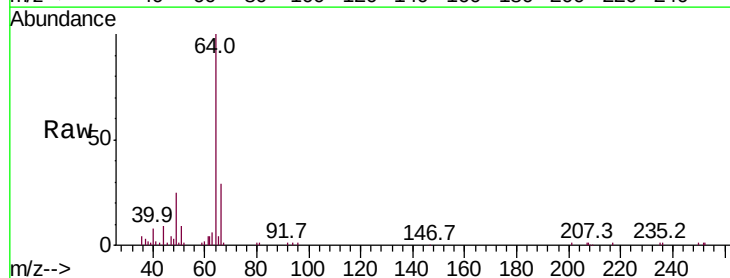
Acq: 04 Sep 2020 12:32

Tgt Ion: 64 Resp: 67685

Ion Ratio Lower Upper

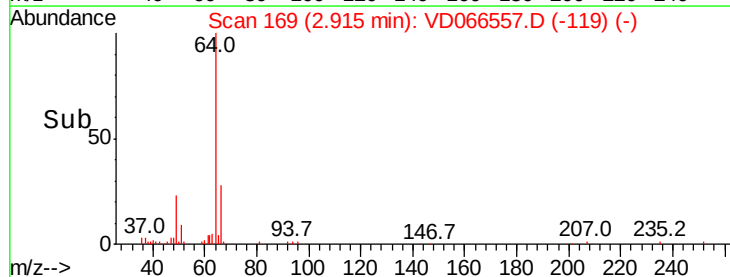
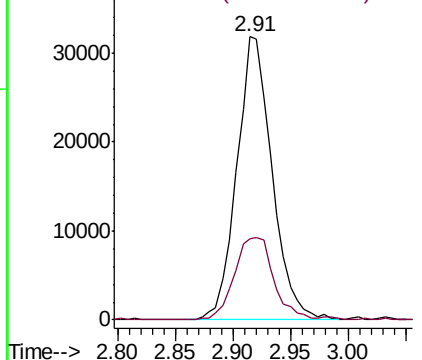
64 100

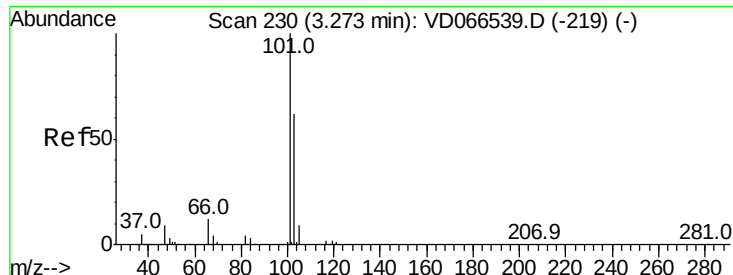
66 28.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

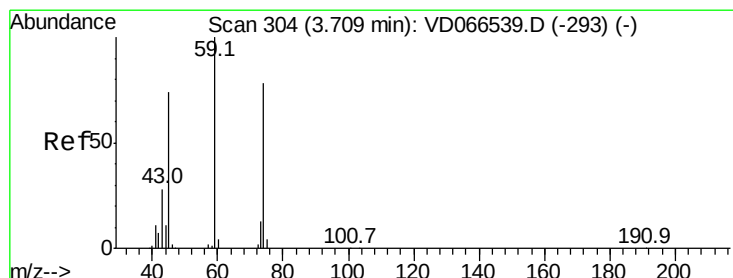
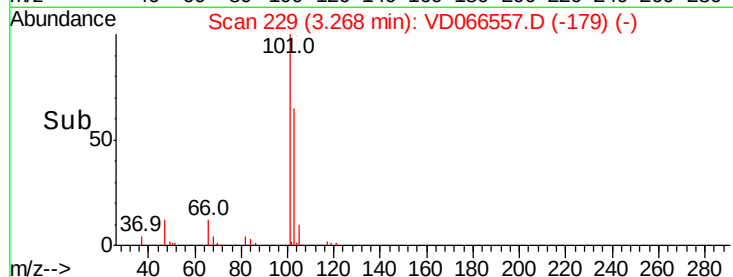
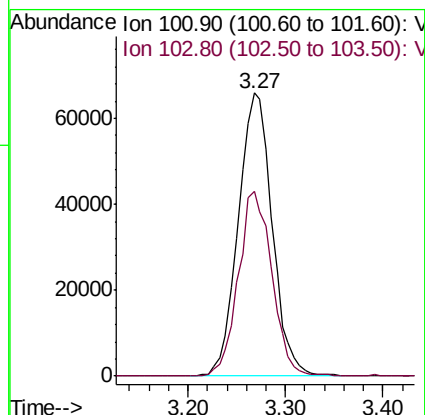
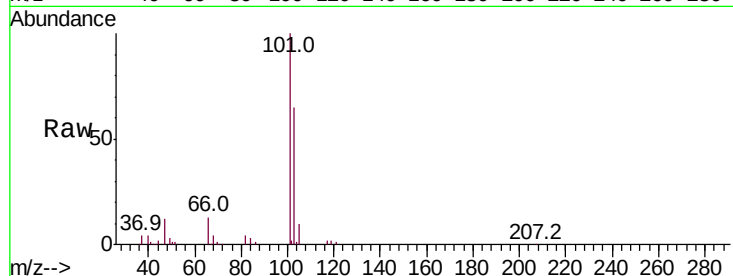
Trichlorofluoromethane
 Concen: 20.843 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Instrument :
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 ClientSampleId :
 VD0904SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	49.7	74.5

Manual Integrations
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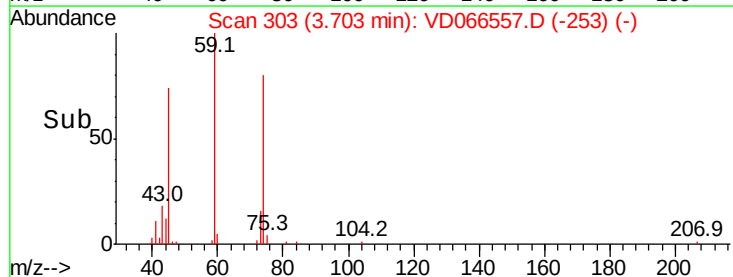
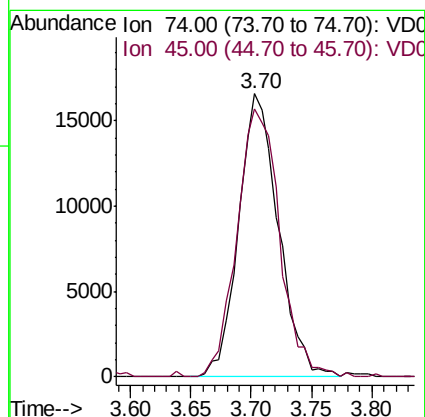
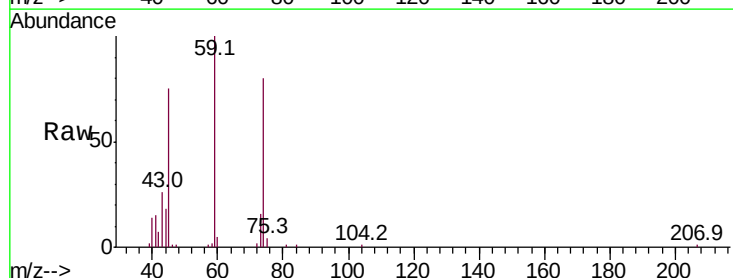
sam
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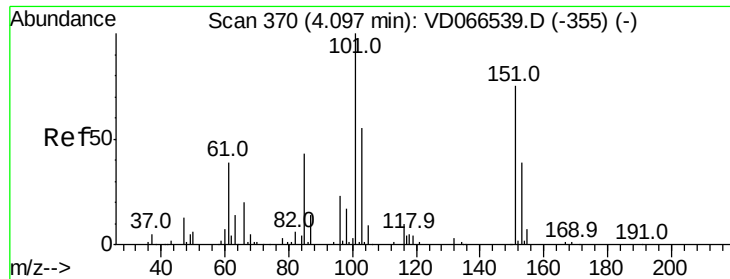


#8

Diethyl Ether
 Concen: 19.767 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.8	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.558 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

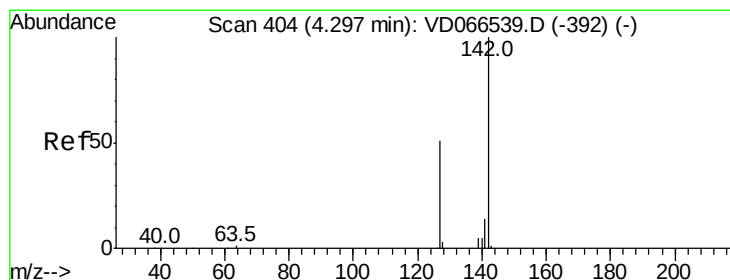
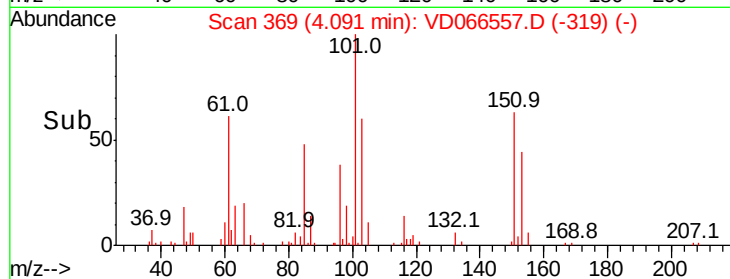
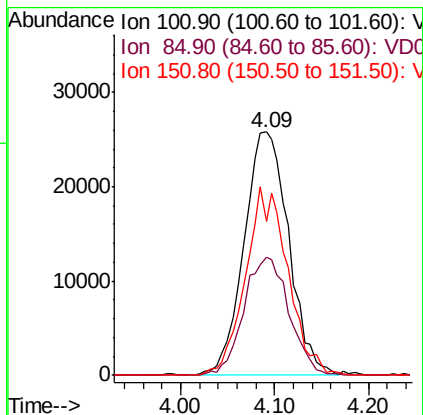
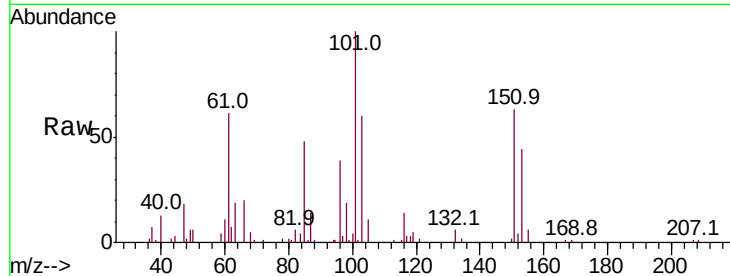
ClientSampleId :

VD0904SBS01

Tot Ion:	101	Resp:	84937
Ion Ratio	Lower	Upper	
101	100		
85	49.0	37.0	55.6
151	73.3	59.4	89.2

Manual Integrations
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sam
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#10

Methyl Iodide

Concen: 20.266 ug/l

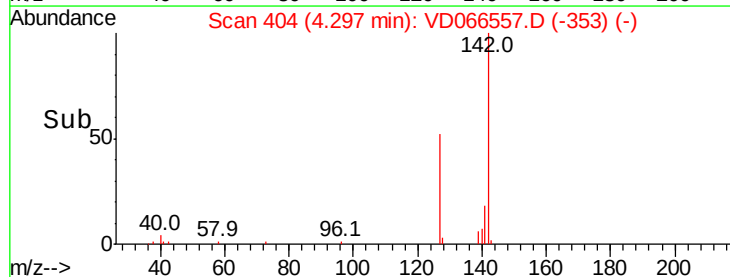
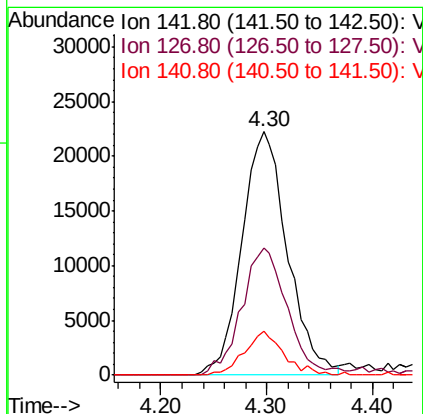
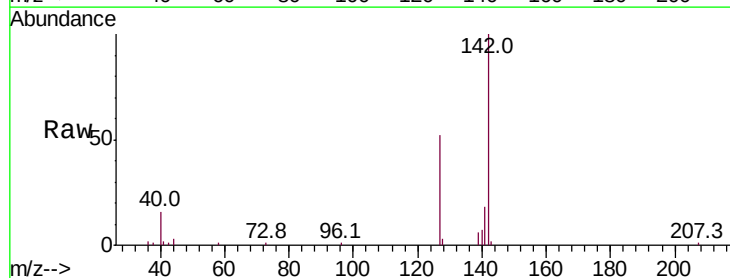
RT: 4.30 min Scan# 404

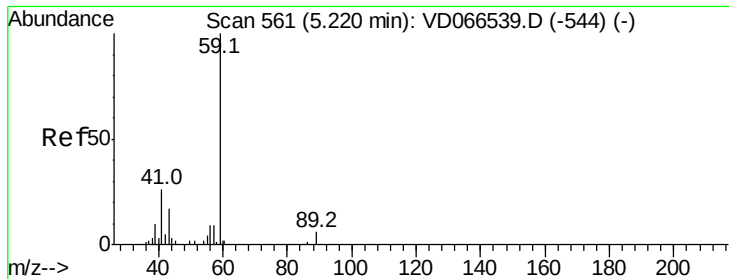
Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Tgt Ion:	142	Resp:	66569
Ion Ratio	Lower	Upper	
142	100		
127	52.5	40.6	61.0
141	15.5	12.2	18.4





#11

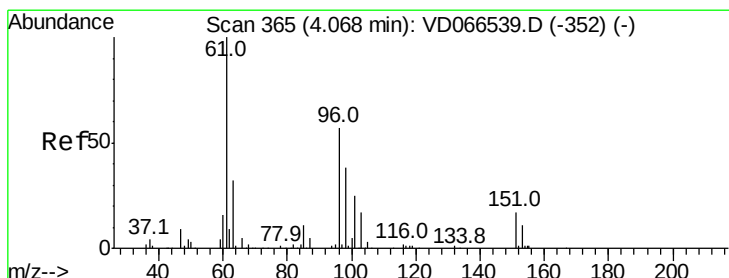
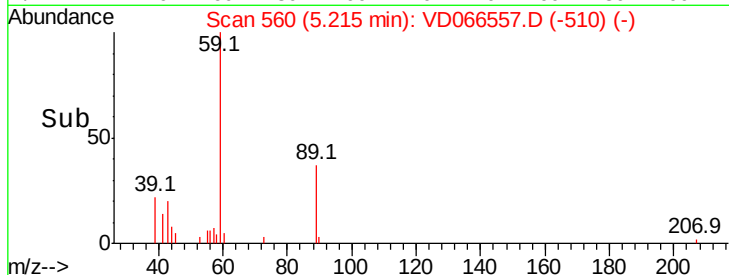
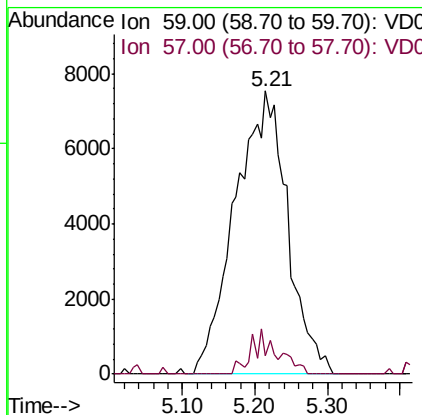
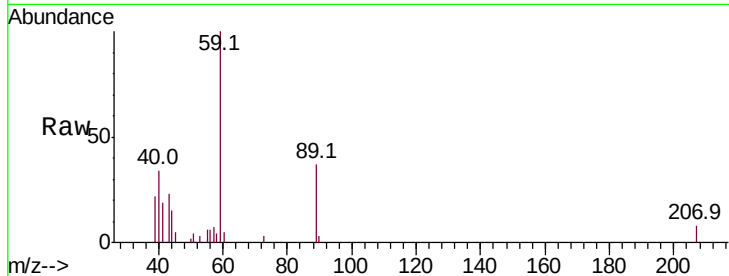
Tert butyl alcohol
Concen: 110.550 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion: 59 Resp: 37885
Ion Ratio Lower Upper
59 100
57 2.4 7.6 11.4#

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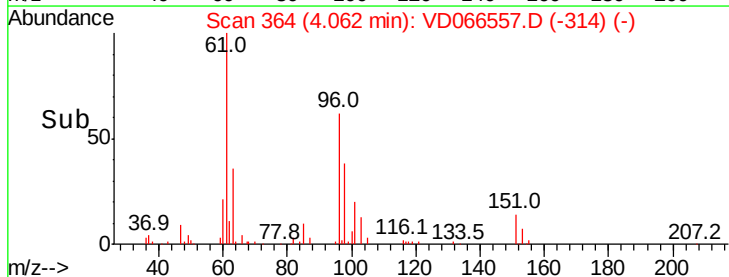
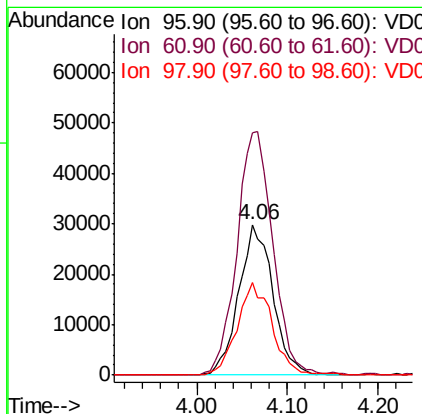
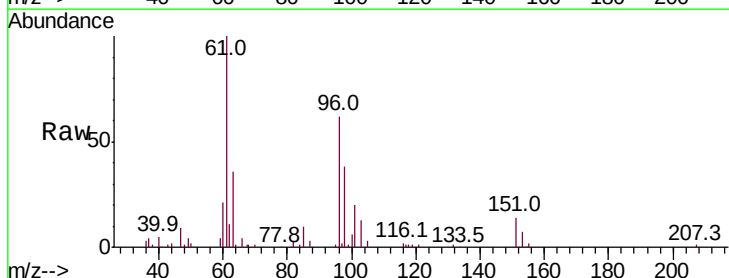
sam
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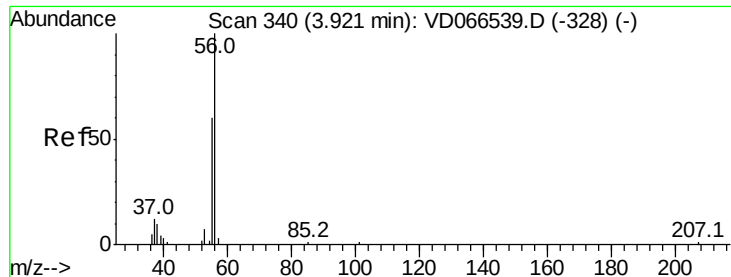


#12

1,1-Dichloroethene
Concen: 20.969 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion: 96 Resp: 77833
Ion Ratio Lower Upper
96 100
61 161.1 140.9 211.3
98 61.7 53.2 79.8





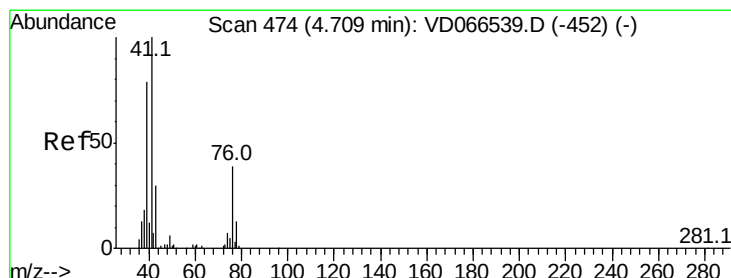
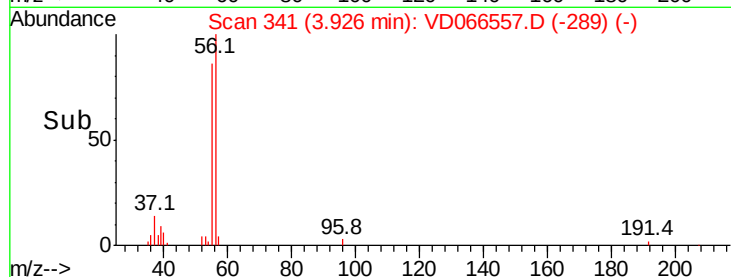
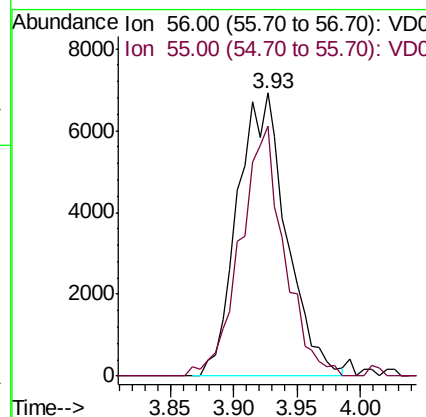
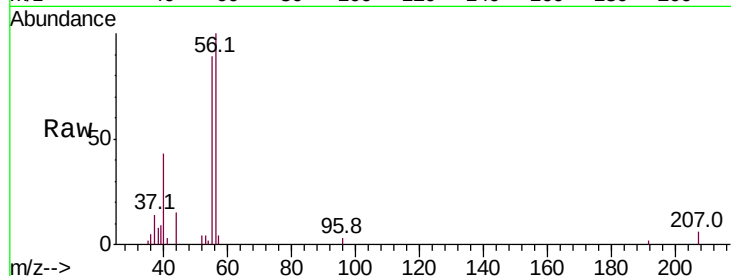
#13
Acrolein
Concen: 102.059 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion	56	55	Ratio	100	79.0	Resp	18601	Lower	53.6	Upper	80.4
Ion											

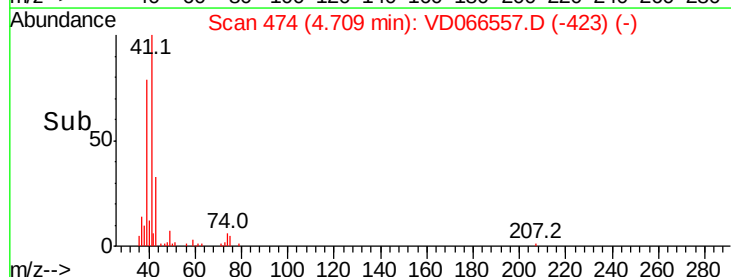
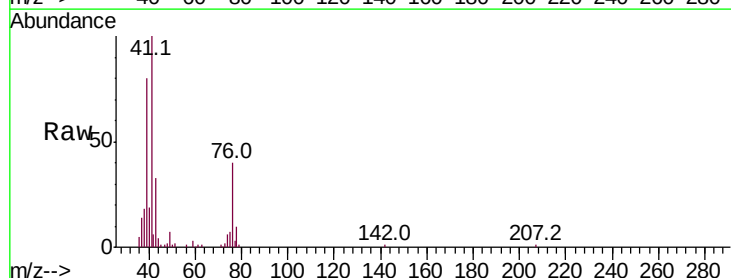
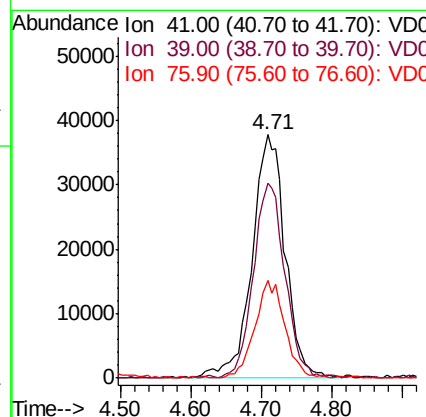
Manual Integrations
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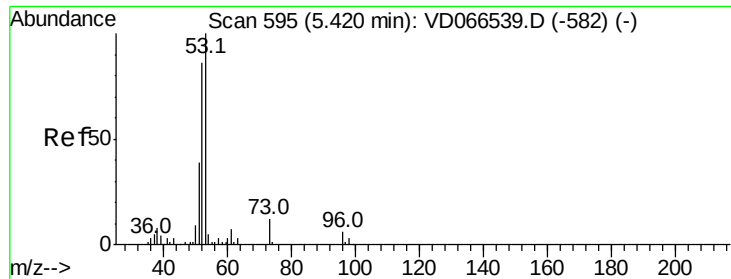
sam
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#14
Allyl chloride
Concen: 20.362 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion	41	39	76	Ratio	100	75.0	36.3	Resp	123867	Lower	61.9	29.0	Upper	92.9	43.6
Ion															





#15

Acrylonitrile

Concen: 104.945 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

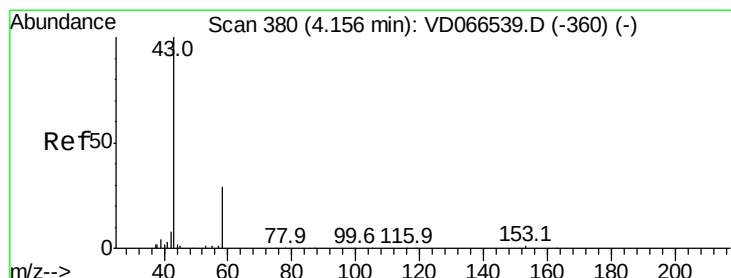
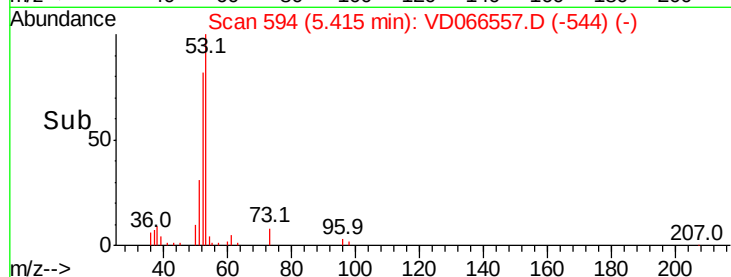
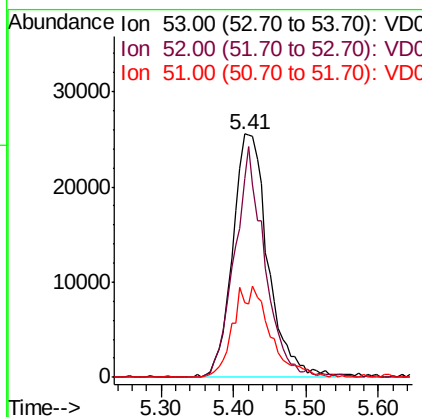
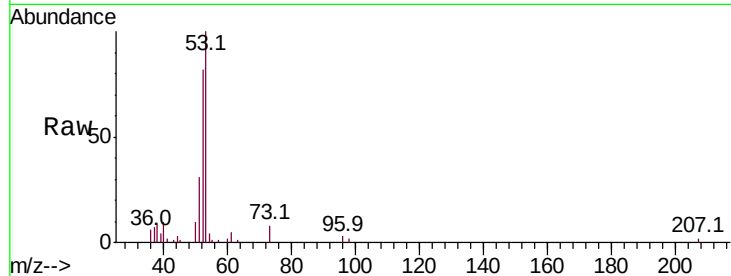
ClientSampleID :

VD0904SBS01

Tot Ion:	53	Resp:	86661
Ion Ratio	Lower	Upper	
53	100		
52	80.7	65.4	98.2
51	17.6	31.2	46.8

Manual Integrations
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sam
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#16

Acetone

Concen: 107.339 ug/l

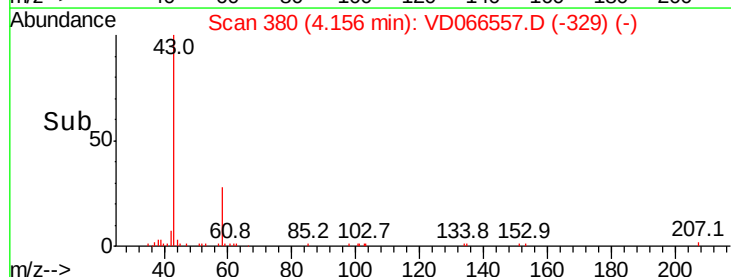
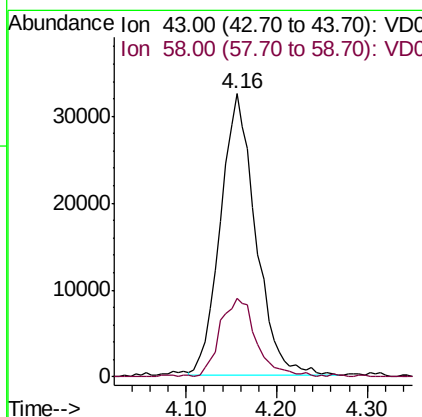
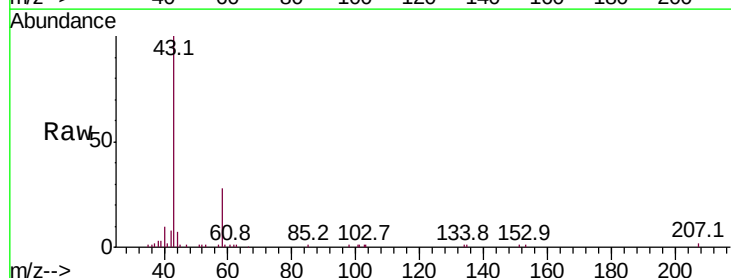
RT: 4.16 min Scan# 380

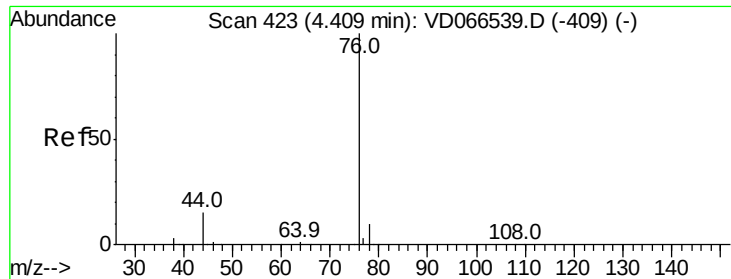
Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Tgt Ion:	43	Resp:	88035
Ion Ratio	Lower	Upper	
43	100		
58	27.6	22.9	34.3





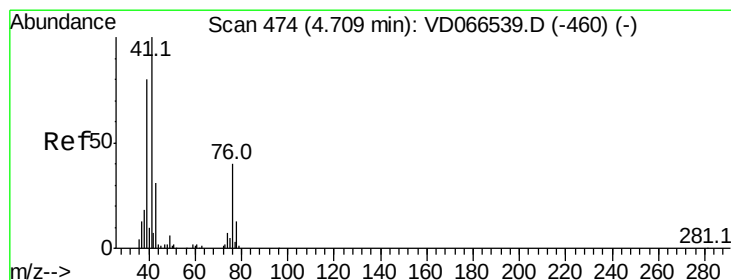
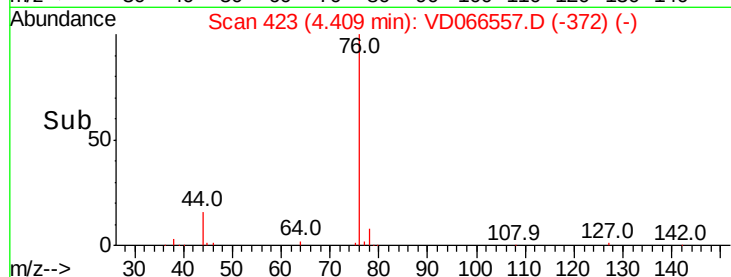
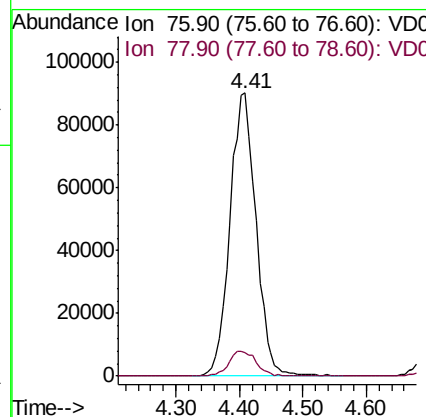
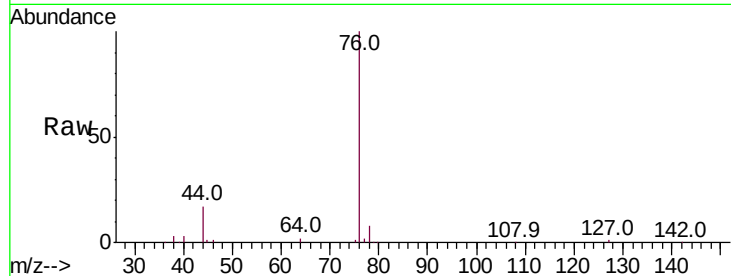
#17
Carbon Disulfide
Concen: 20.977 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.6	11.4

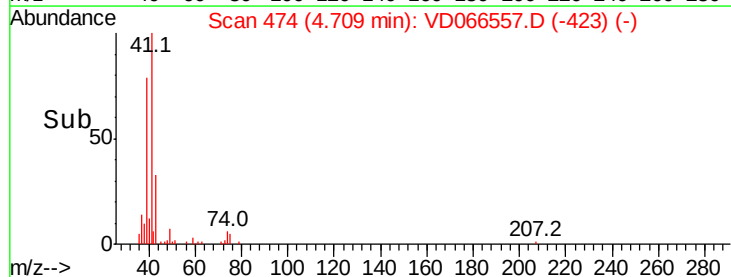
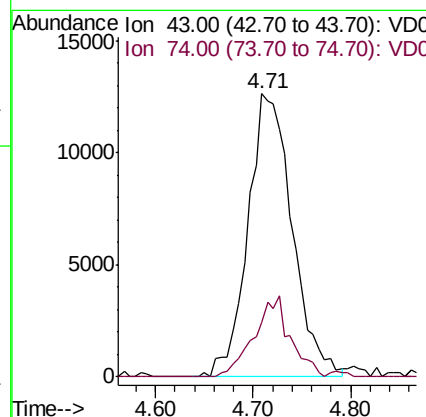
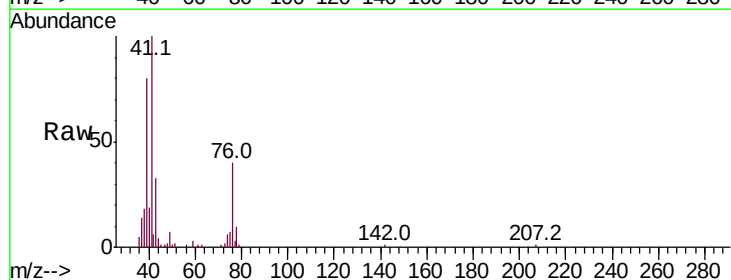
Manual Integrations
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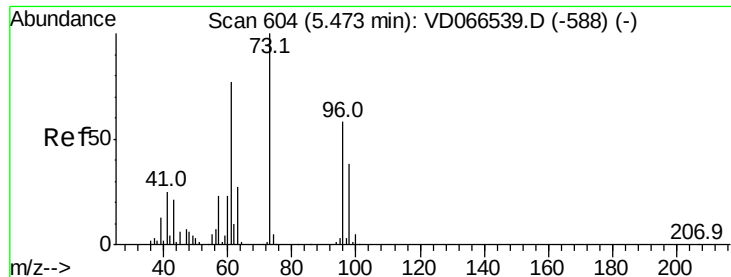
sam
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#18
Methyl Acetate
Concen: 20.487 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.0	27.0





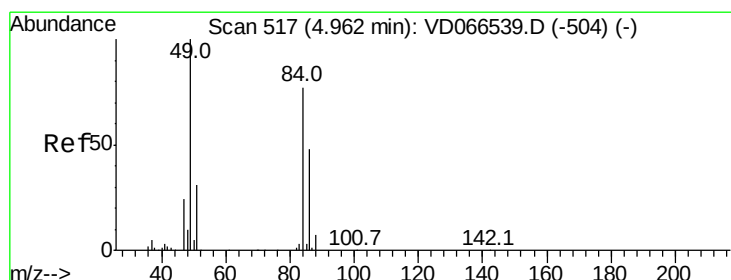
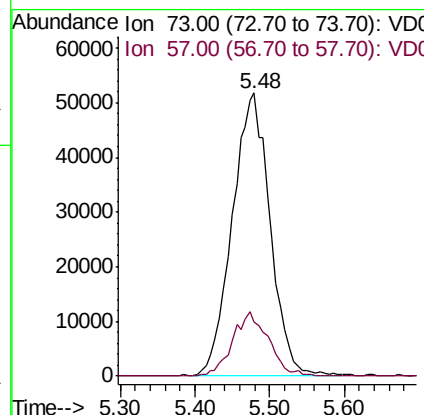
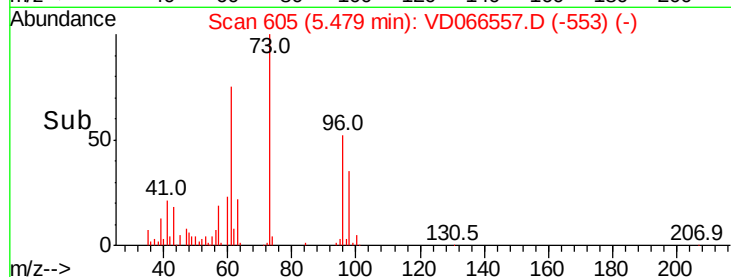
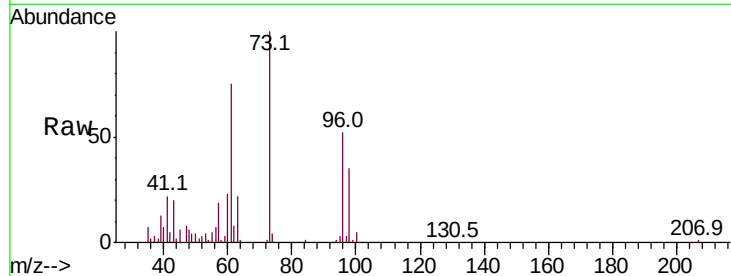
#19
Methyl tert-butyl Ether
Concen: 20.908 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion: 73 Resp: 181993
Ion Ratio Lower Upper
73 100
57 19.3 18.3 27.5

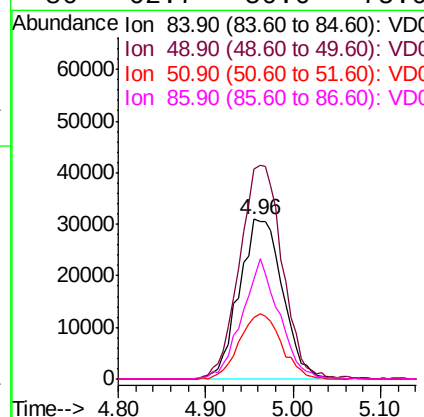
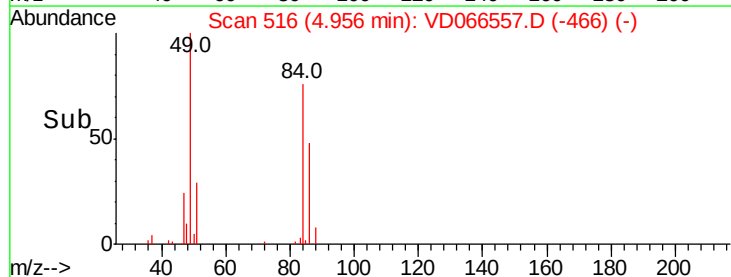
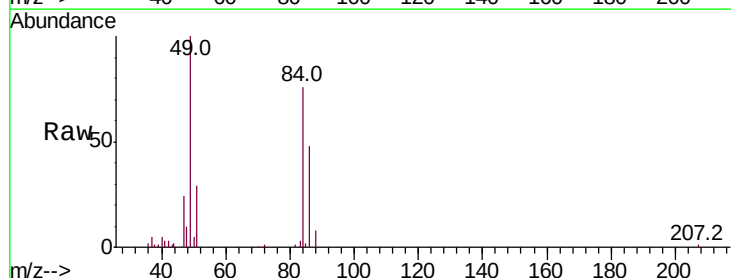
Manual Integrations
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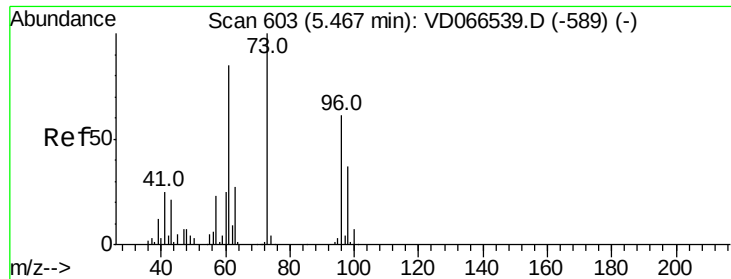
sam
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#20
Methylene Chloride
Concen: 19.294 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion: 84 Resp: 104404
Ion Ratio Lower Upper
84 100
49 131.4 104.3 156.5
51 38.4 32.2 48.4
86 62.7 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 20.061 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

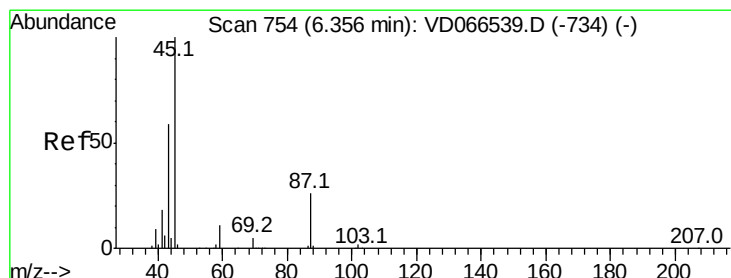
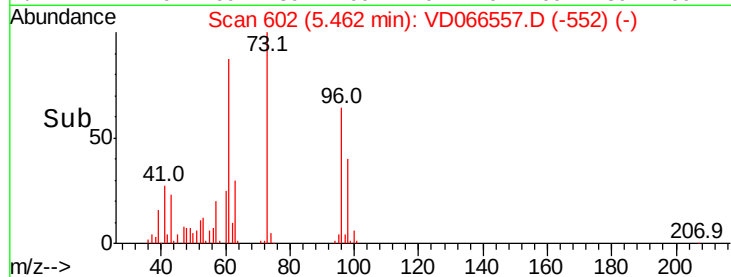
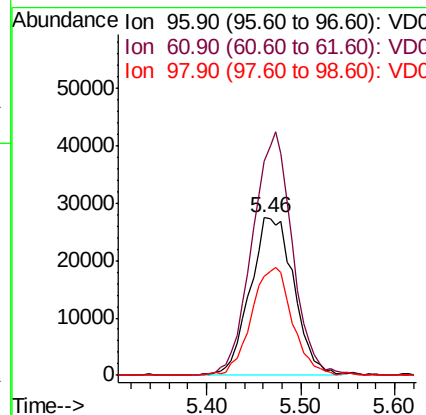
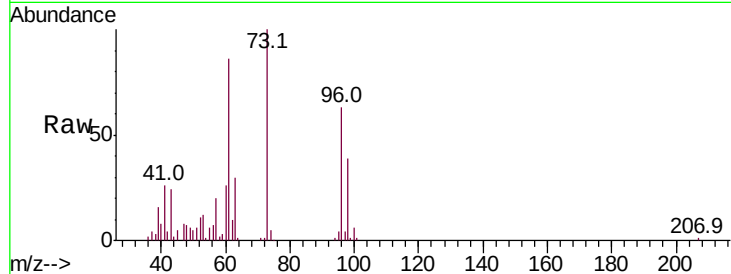
ClientSampleId :

VD0904SBS01

Tot Ion:	96	Resp:	88423
Ion	Ratio	Lower	Upper
96	100		
61	135.8	112.1	168.1
98	62.6	48.6	72.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.447 ug/l

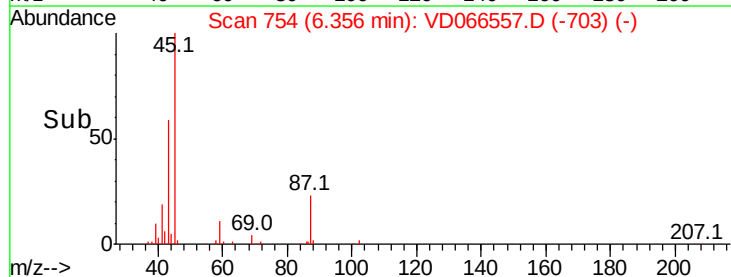
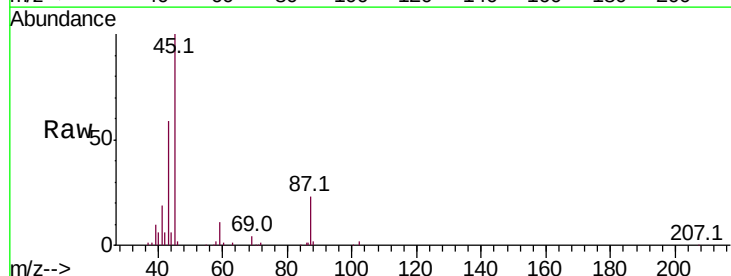
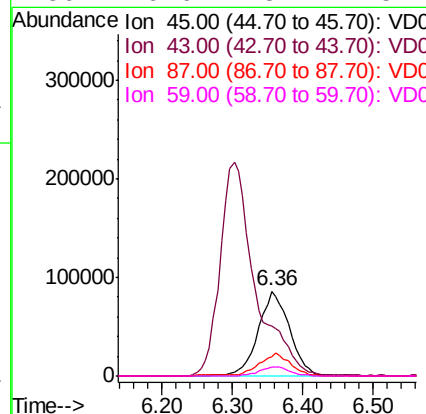
RT: 6.36 min Scan# 754

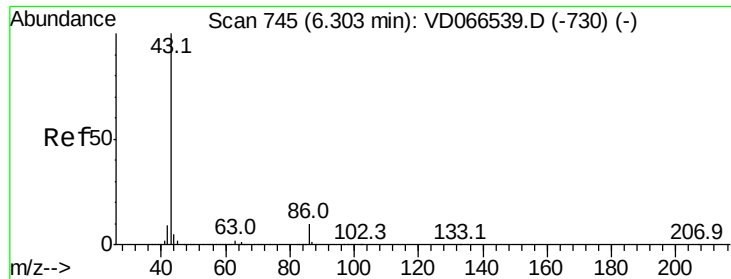
Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Tgt Ion:	45	Resp:	268291
Ion	Ratio	Lower	Upper
45	100		
43	57.6	47.0	70.4
87	22.7	21.3	31.9
59	10.6	8.7	13.1





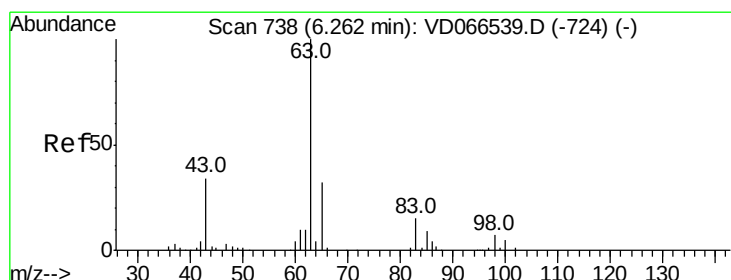
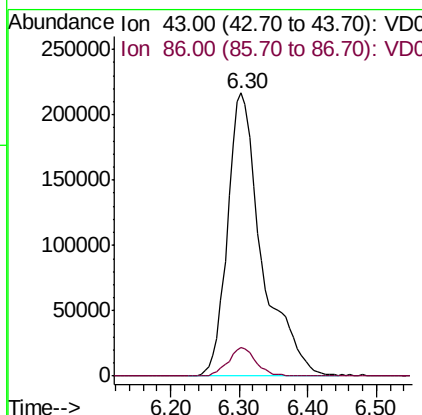
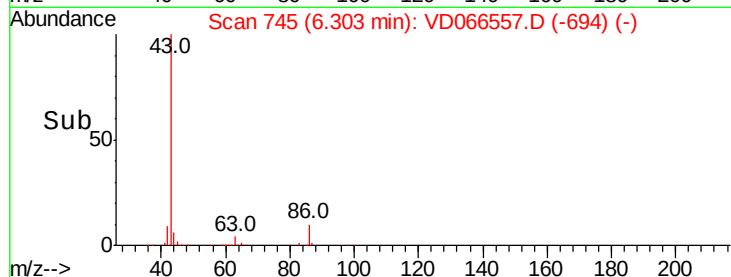
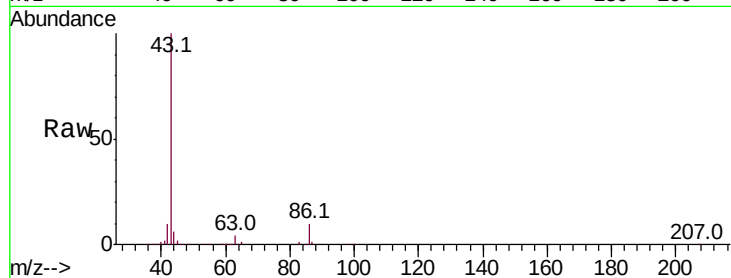
#23
Vinyl Acetate
Concen: 105.851 ug/l
RT: 6.30 min Scan# 745
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleID :
VD0904SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.2	7.7	11.5

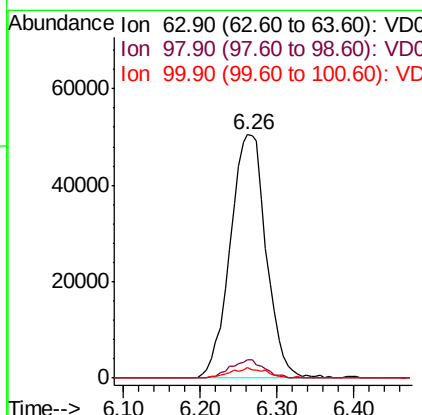
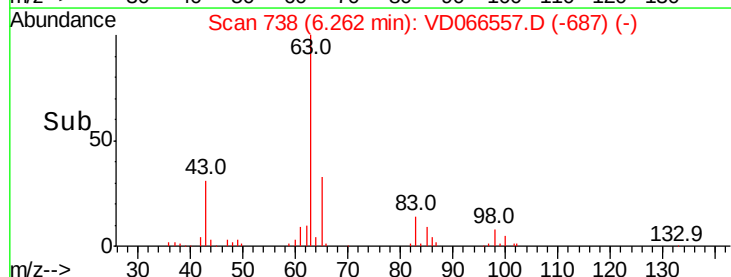
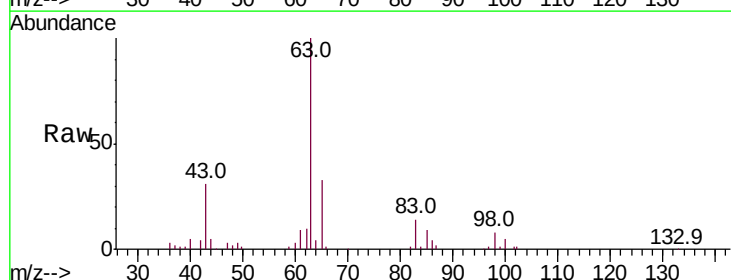
Manual Integrations
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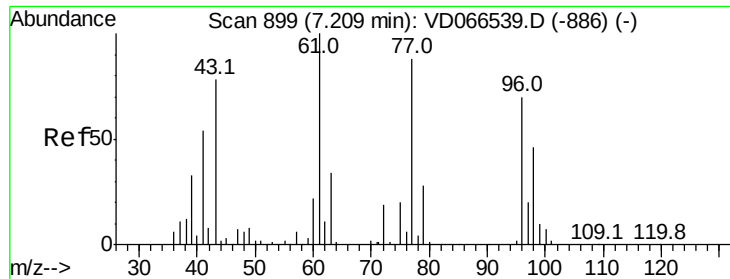
sam
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#24
1,1-Dichloroethane
Concen: 20.915 ug/l
RT: 6.26 min Scan# 738
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.5	3.4	10.1
100	4.5	2.5	7.4





#25

2-Butanone

Concen: 104.663 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

Tot Ion: 43 Resp: 115231

Ion Ratio Lower Upper

43 100

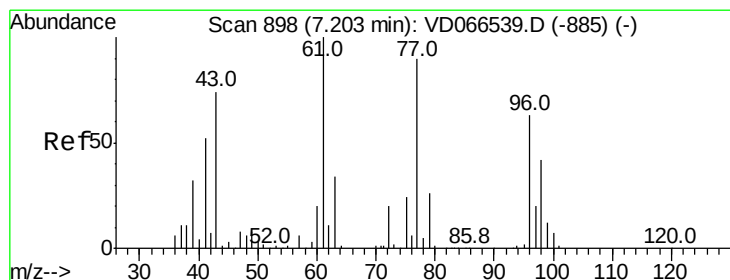
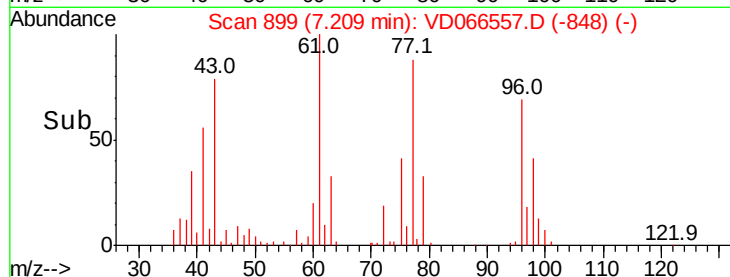
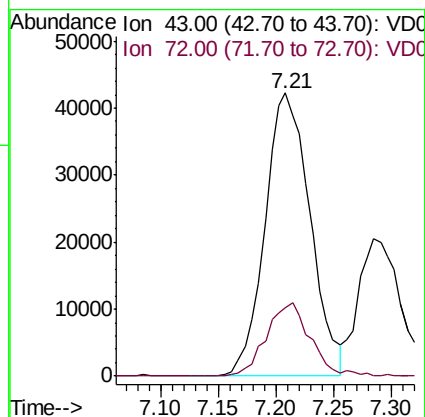
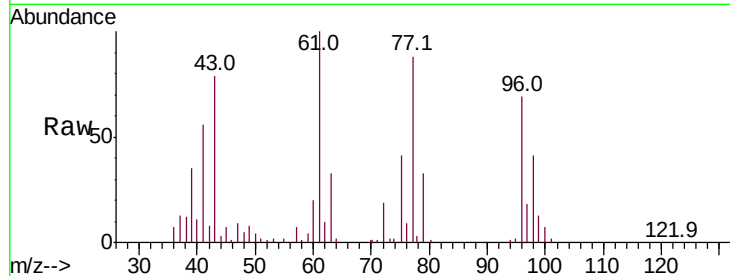
72 24.3 19.8 29.6

Manual Integrations

APPROVED

sam

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#26

2,2-Dichloropropane

Concen: 20.817 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.00 min

Lab File: VD066557.D

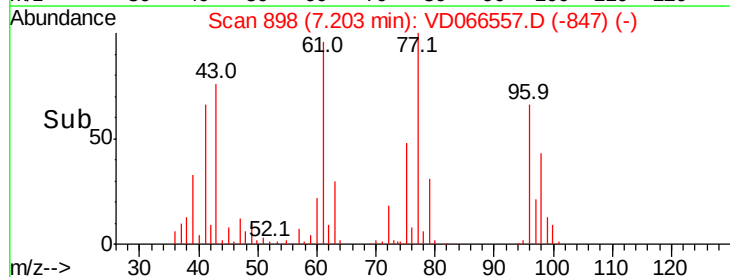
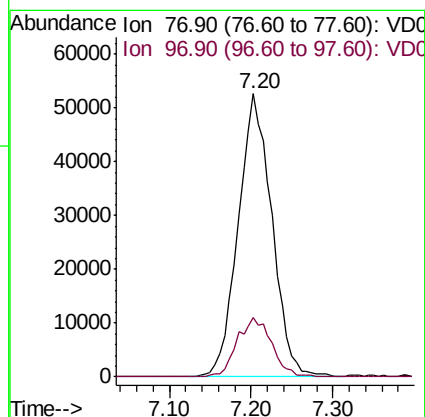
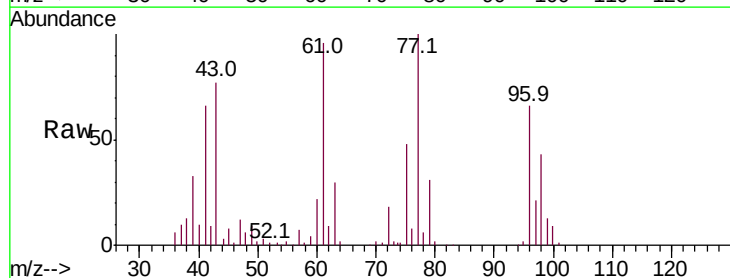
Acq: 04 Sep 2020 12:32

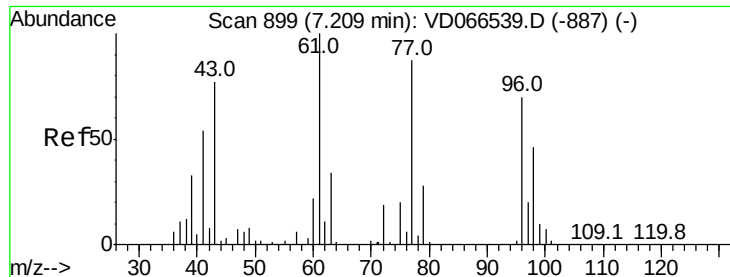
Tgt Ion: 77 Resp: 150218

Ion Ratio Lower Upper

77 100

97 21.3 10.8 32.3





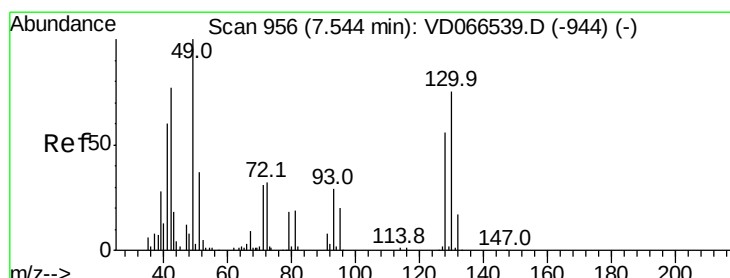
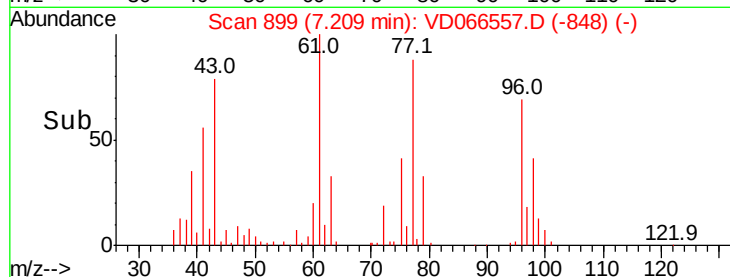
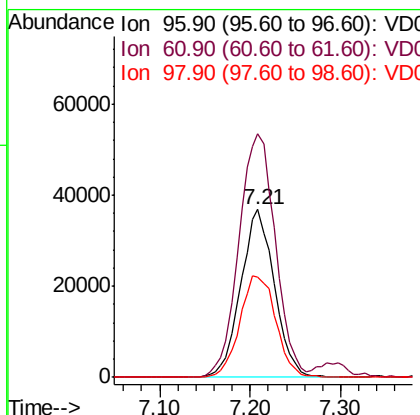
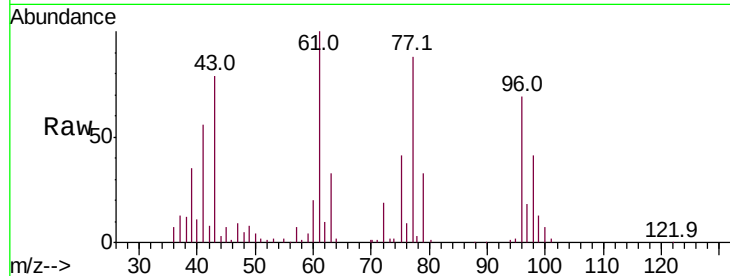
#27
 cis-1,2-Dichloroethene
 Concen: 20.155 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	156.2	0.0	301.0	
98	64.5	0.0	129.8	

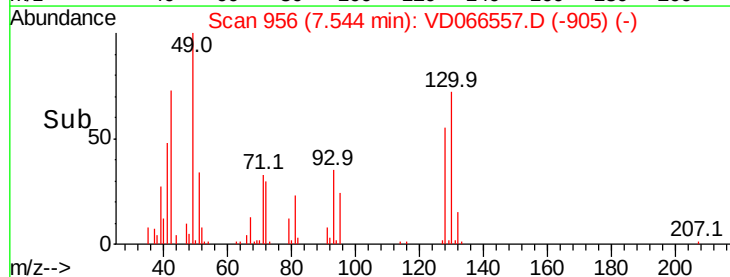
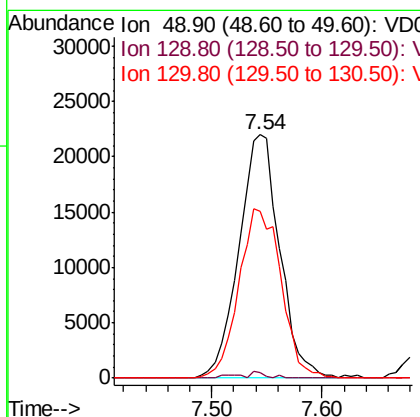
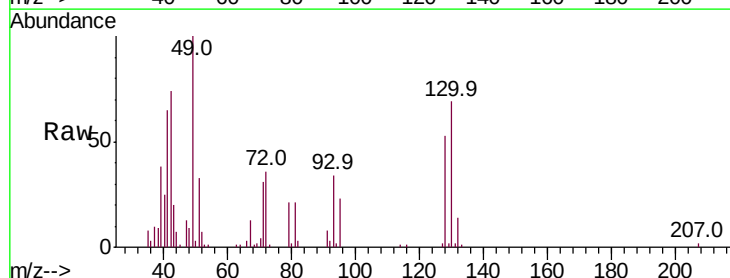
Manual Integrations
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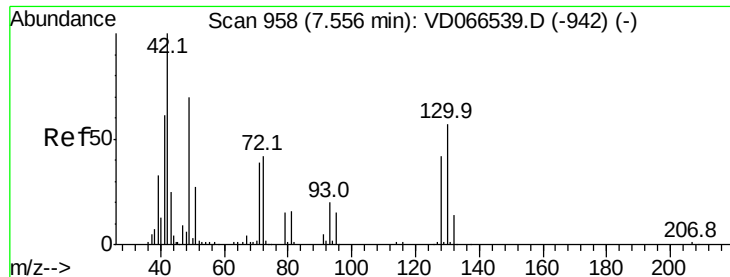
sam
 9/8/2020 5:42:50 PM



#28
 Bromochloromethane
 Concen: 18.802 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.8	0.0	2.6	
130	72.2	58.2	87.2	





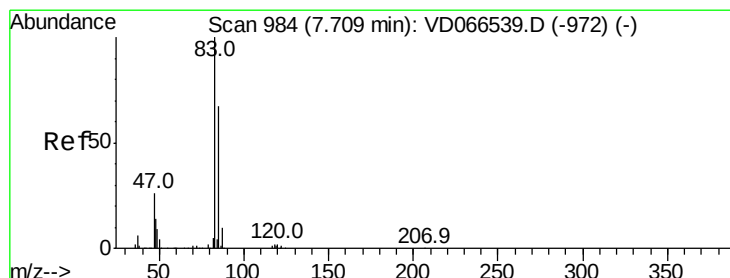
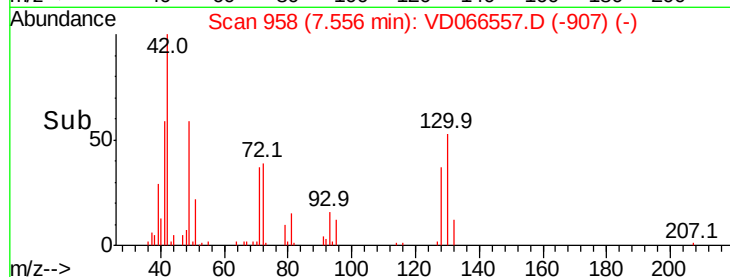
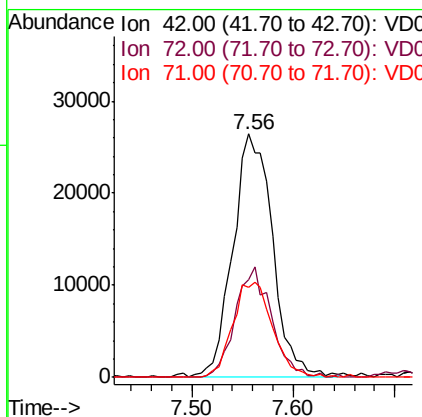
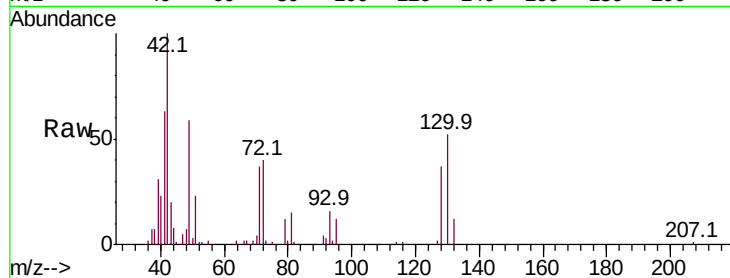
#29
Tetrahydrofuran
Concen: 105.035 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.4	50.0
71	39.1	31.9	47.9

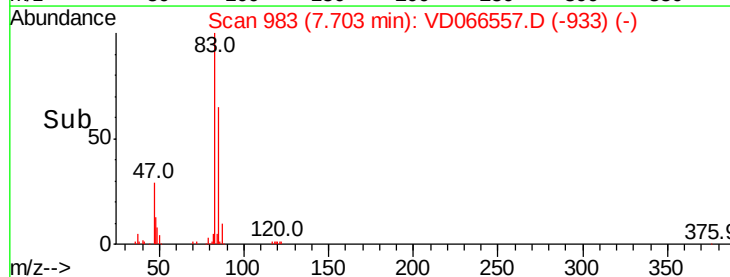
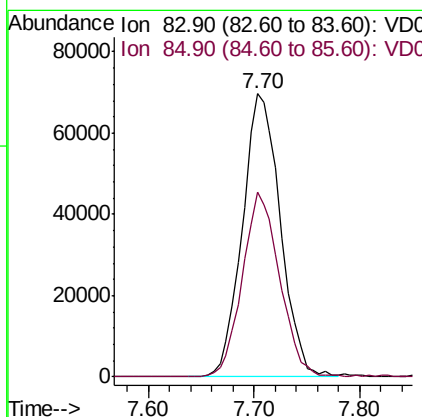
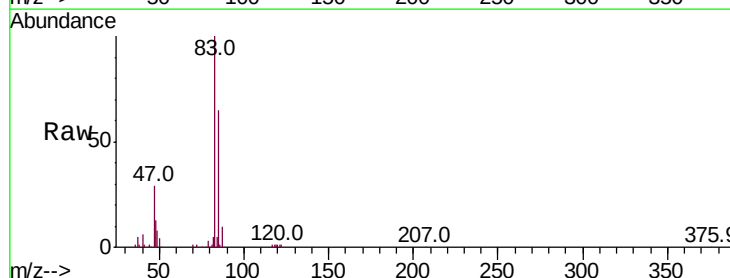
Manual Integrations
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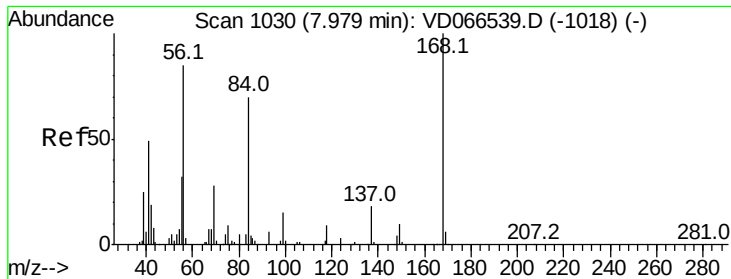
sam
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#30
Chloroform
Concen: 20.909 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.6	80.4





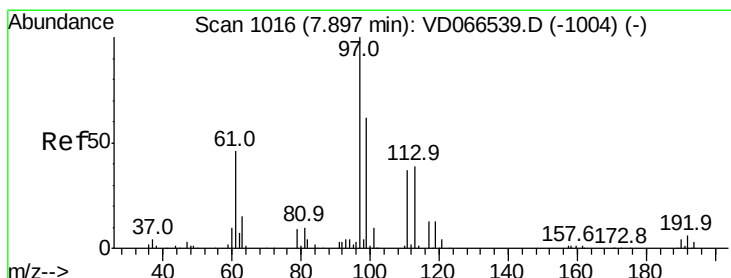
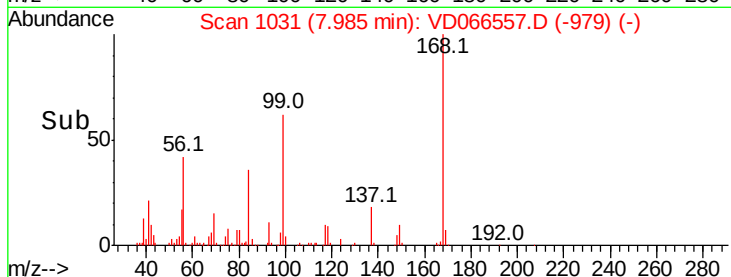
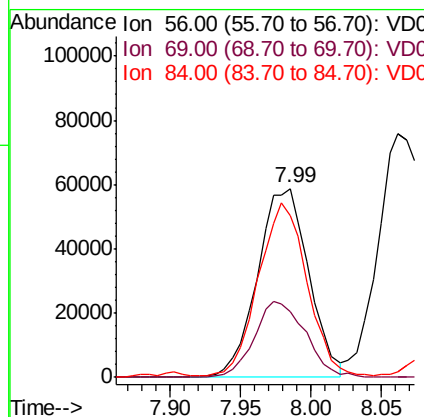
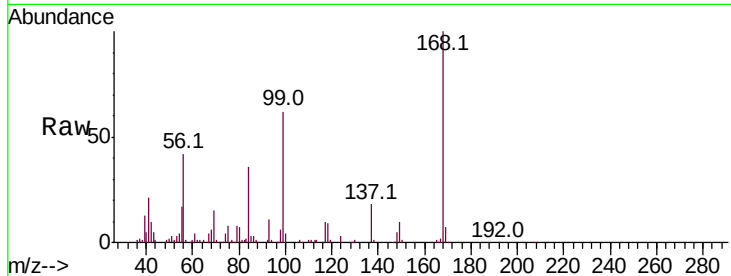
#31
Cyclohexane
Concen: 20.509 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	26.3	39.5
84	84.6	66.1	99.1

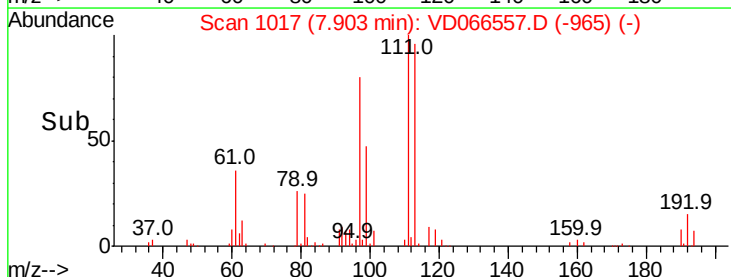
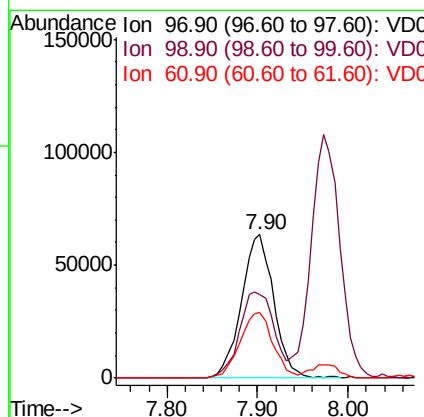
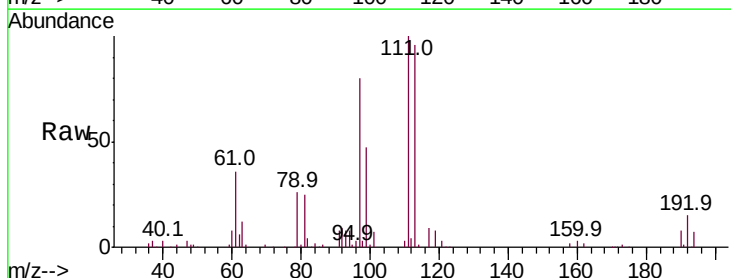
Manual Integrations
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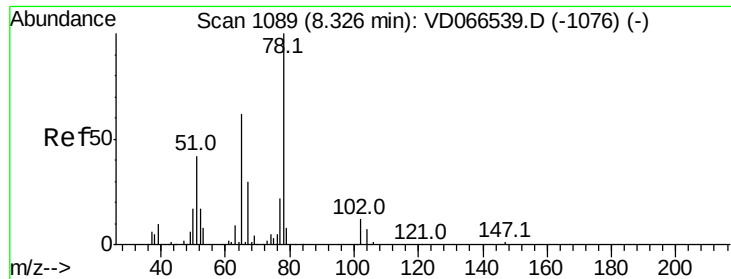
sam
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#32
1,1,1-Trichloroethane
Concen: 20.115 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	46.5	37.4	56.0





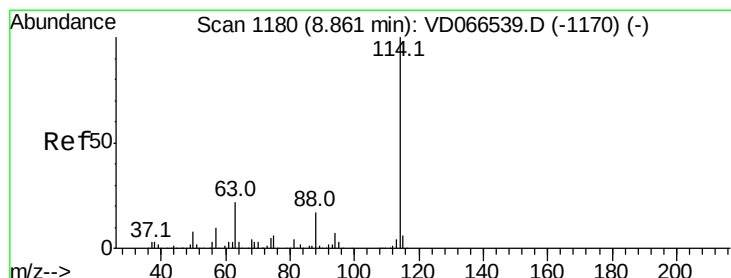
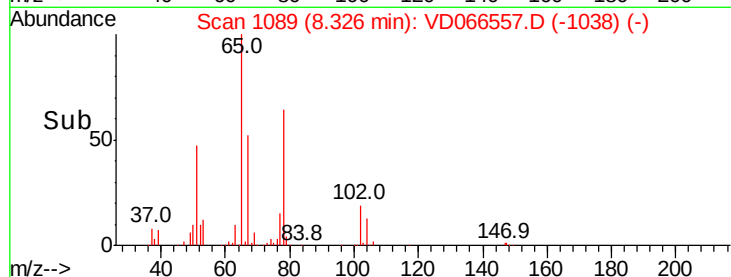
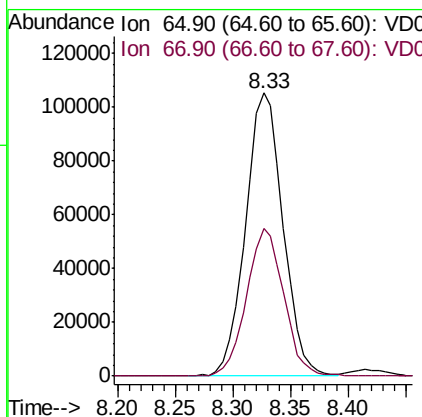
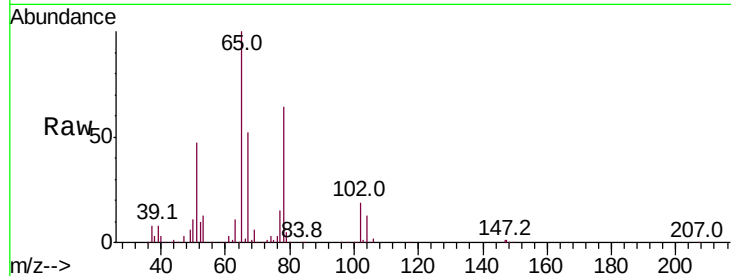
#33
 1,2-Dichloroethane-d4
 Concen: 53.401 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	238032		
67	51.8	0.0	102.8	

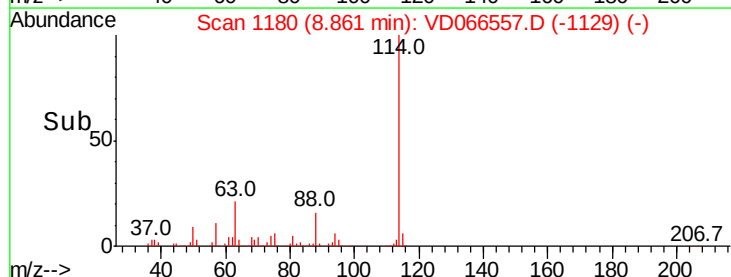
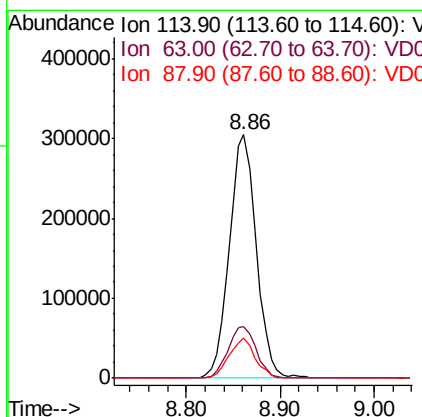
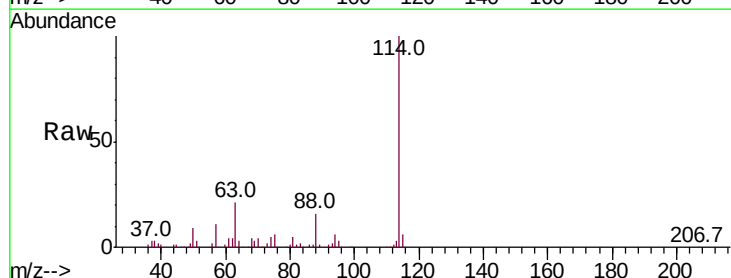
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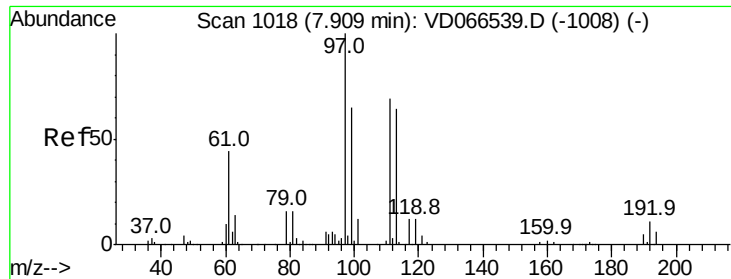
sam
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	608905		
63	21.3	0.0	43.2	
88	16.4	0.0	33.2	





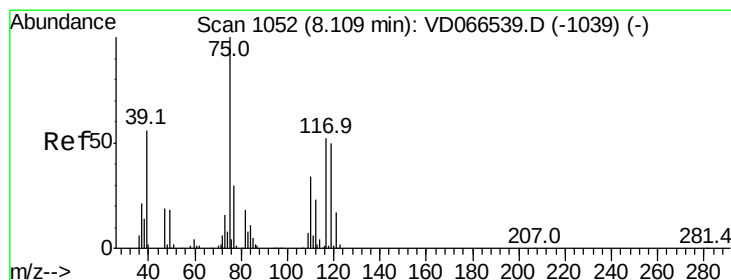
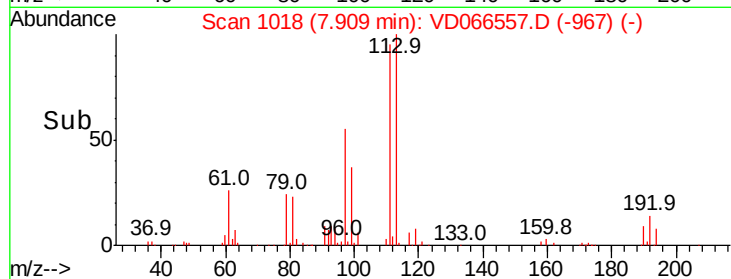
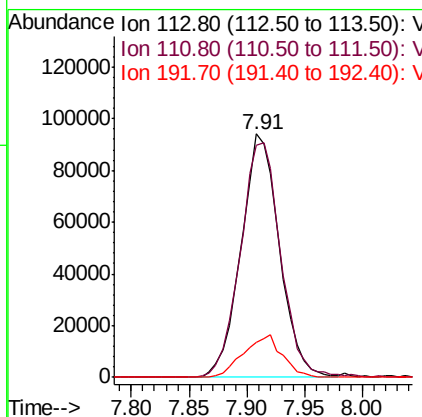
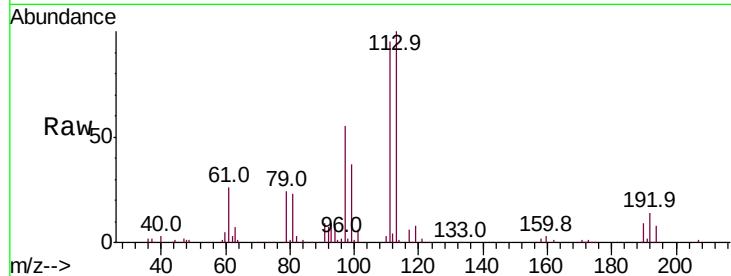
#35
 Dibromofluoromethane
 Concen: 53.104 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	218136		
111	101.4	83.2	124.8	
192	17.4	13.7	20.5	

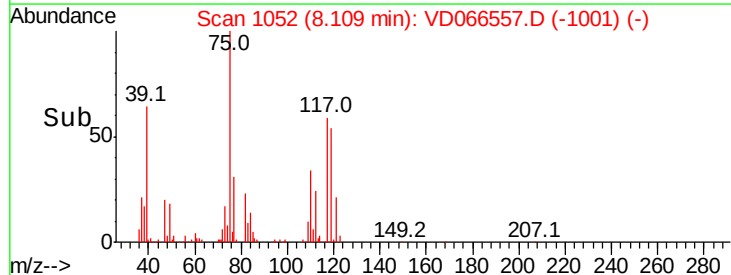
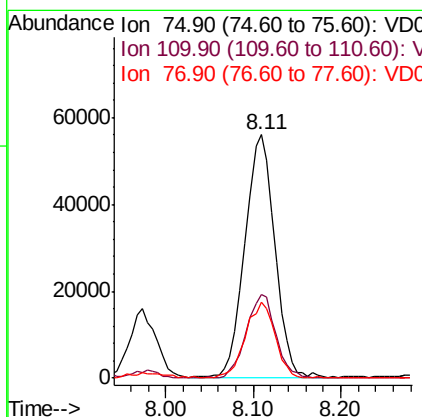
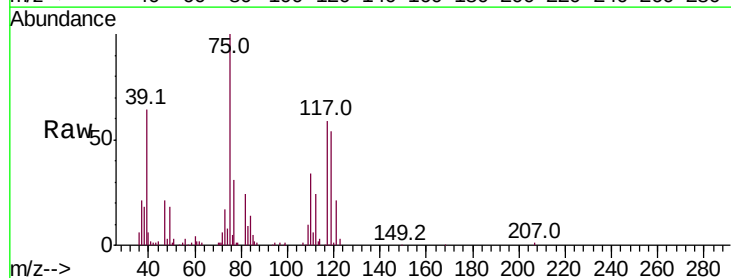
Manual Integrations
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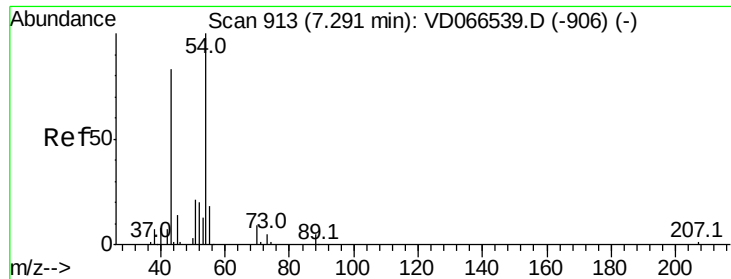
sam
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#36
 1,1-Dichloropropene
 Concen: 20.661 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	130925		
110	33.8	17.3	52.0	
77	30.5	25.1	37.7	





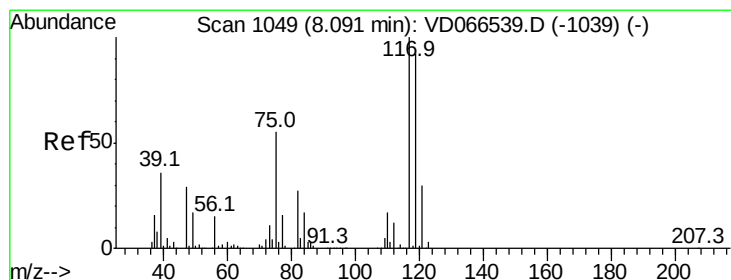
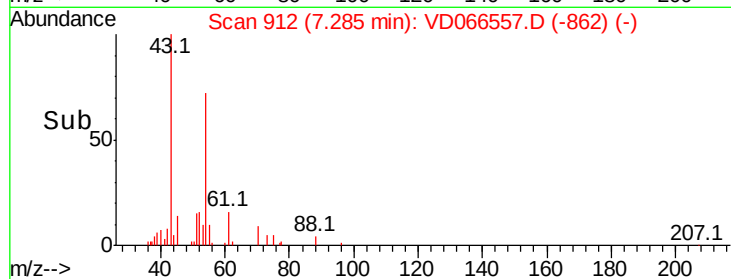
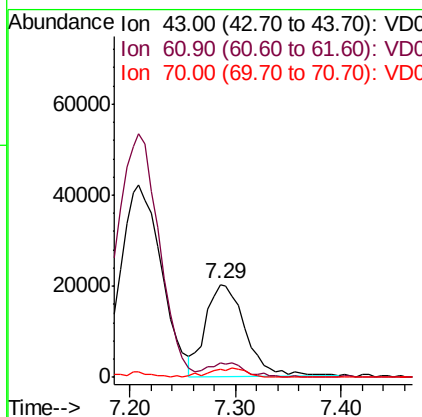
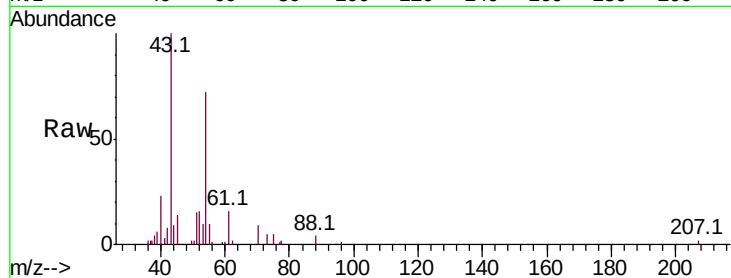
#37
Ethyl Acetate
Concen: 21.048 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.8	17.8
70	9.5	7.9	11.9

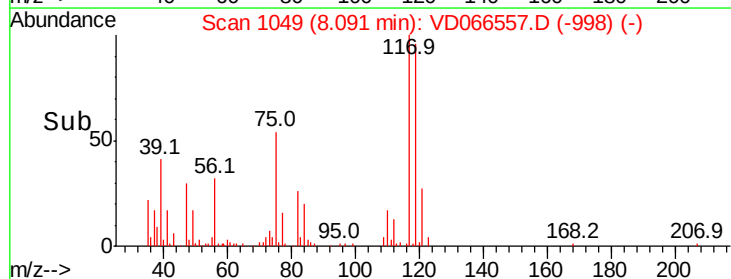
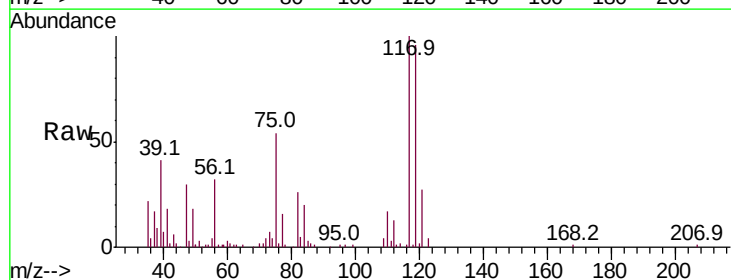
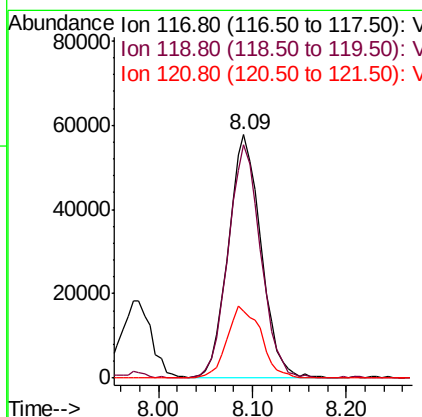
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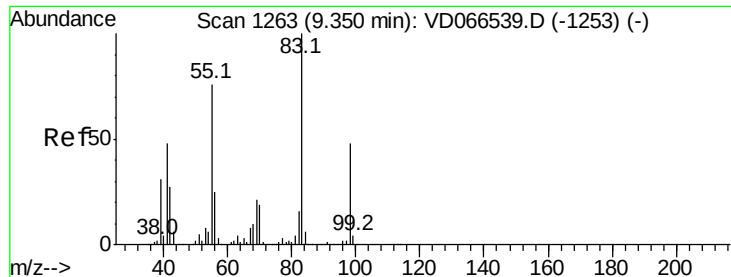
sam
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#38
Carbon Tetrachloride
Concen: 20.914 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	73.9	110.9
121	27.3	24.1	36.1





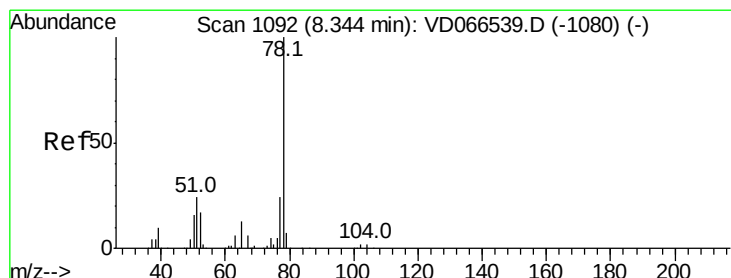
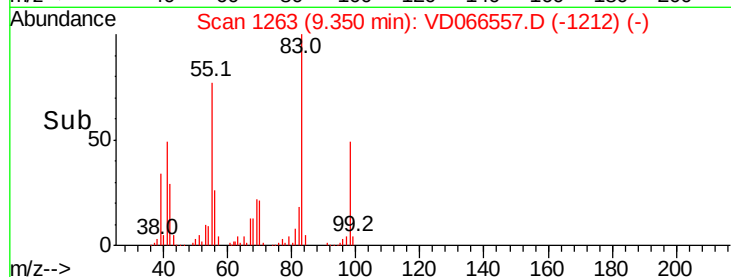
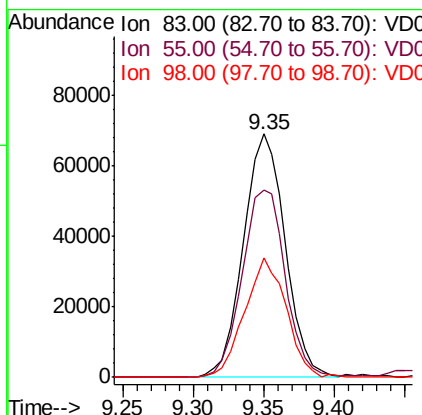
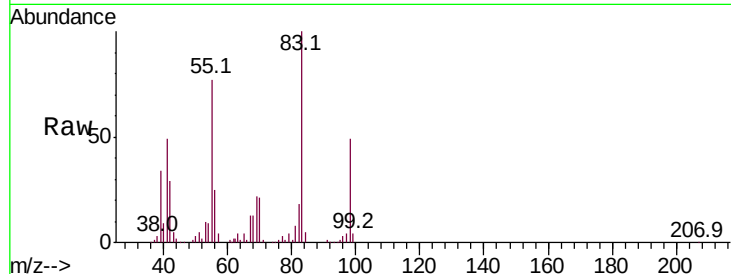
#39
Methylvlcyclohexane
Concen: 20.241 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.7	60.8	91.2	
98	49.3	38.6	58.0	

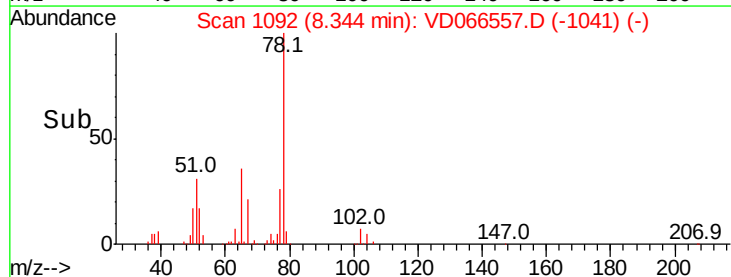
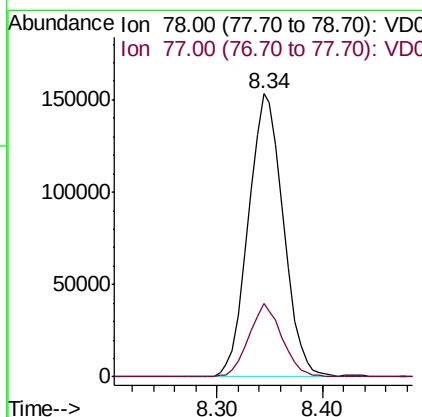
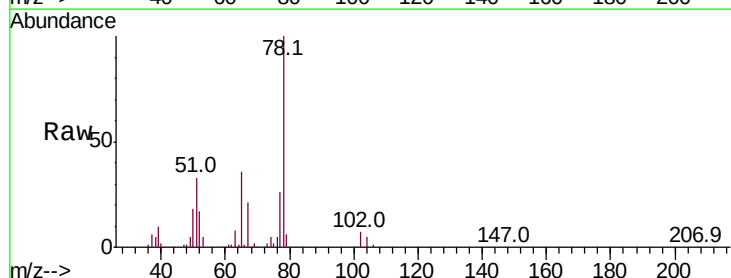
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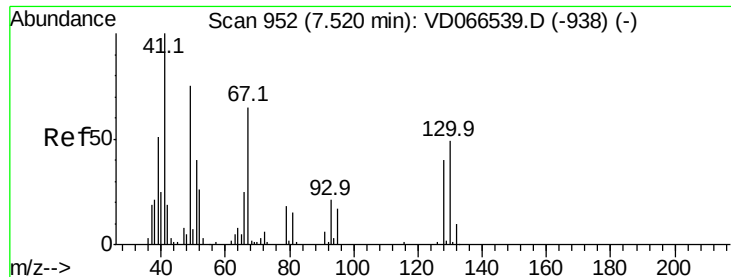
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#40
Benzene
Concen: 20.330 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	26.1	19.1	28.7	





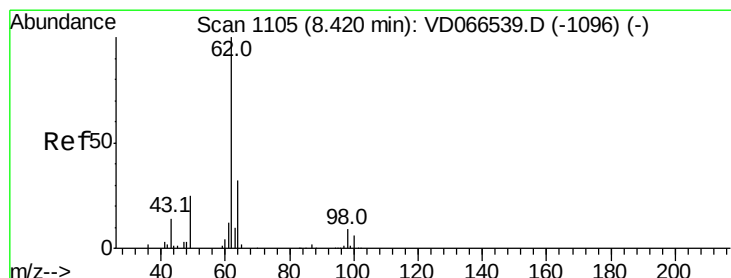
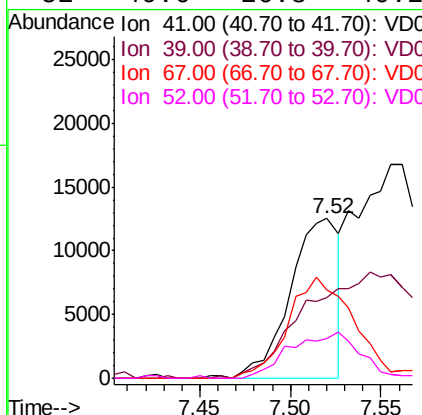
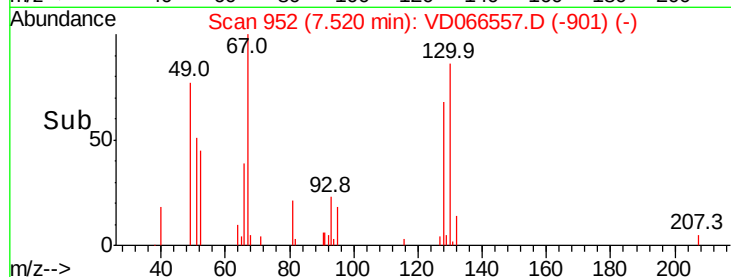
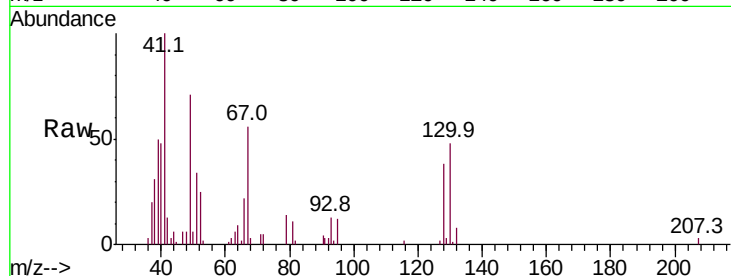
#41
Methacrylonitrile
Concen: 19.533 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.6	80.4#
67	85.2	59.2	88.8
52	40.6	26.8	40.2#

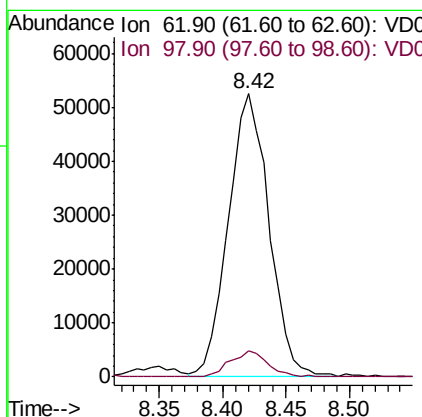
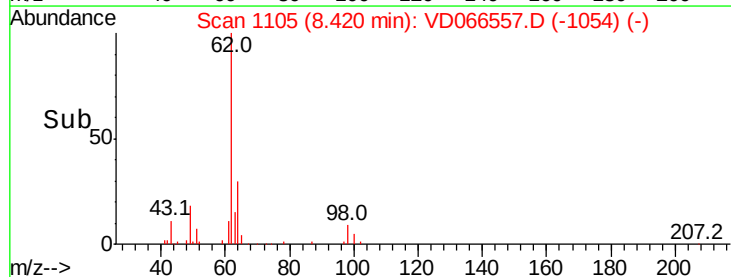
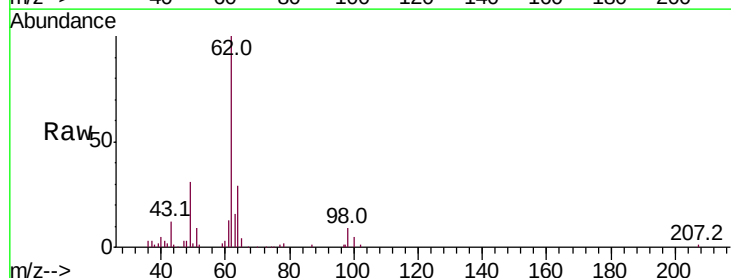
Manual Integrations
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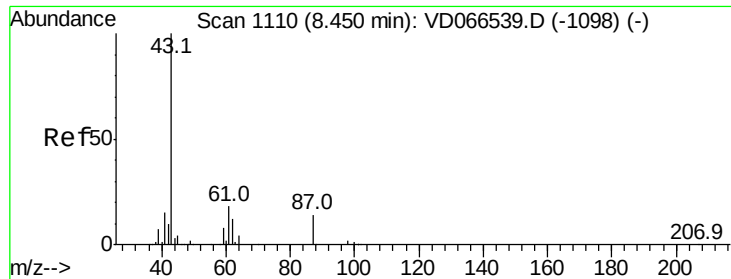
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#42
1,2-Dichloroethane
Concen: 20.812 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.6





#43

Isopropyl Acetate

Concen: 20.691 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

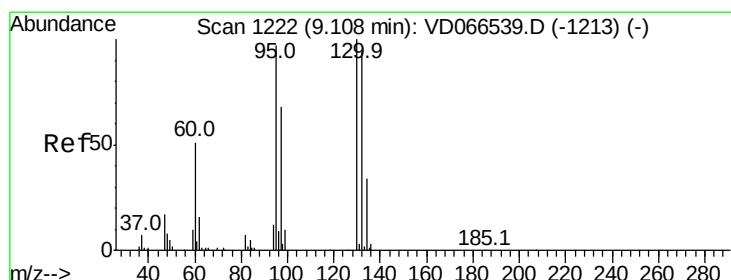
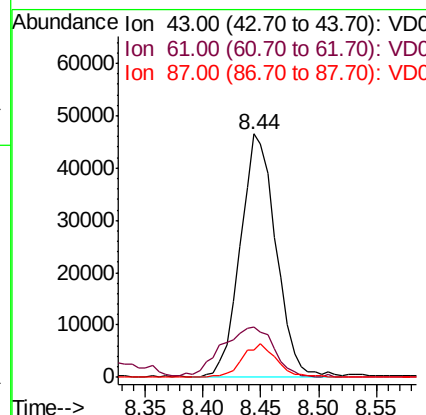
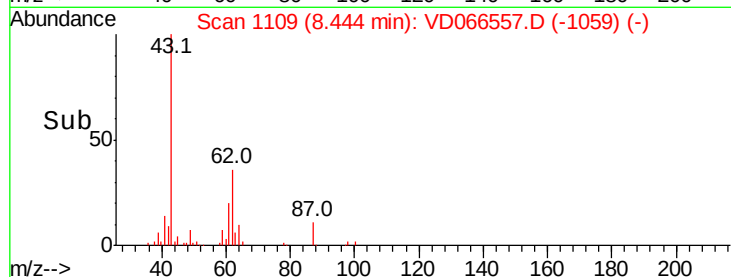
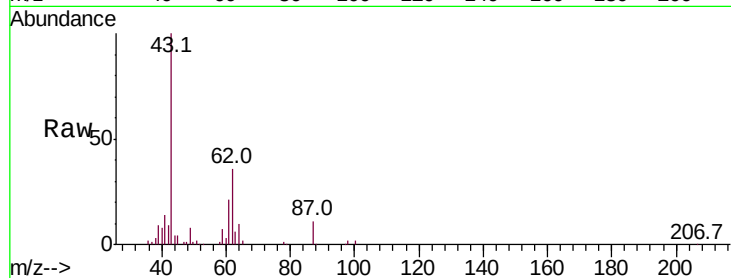
ClientSampleId :

VD0904SBS01

Tot Ion	43	61	87
Ion	43	61	87
Ratio	100	30.2	13.2
Lower		23.8	10.7
Upper		35.8	16.1

Manual Integrations
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#44

Trichloroethene

Concen: 20.683 ug/l

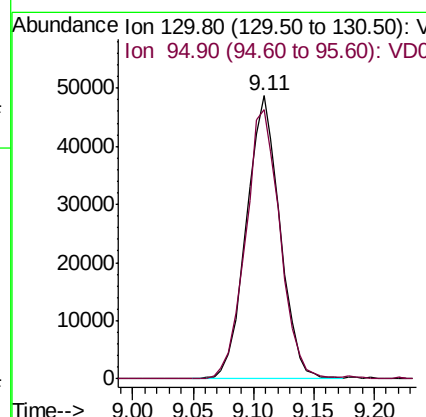
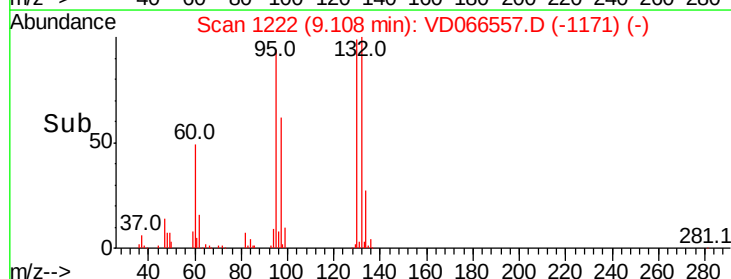
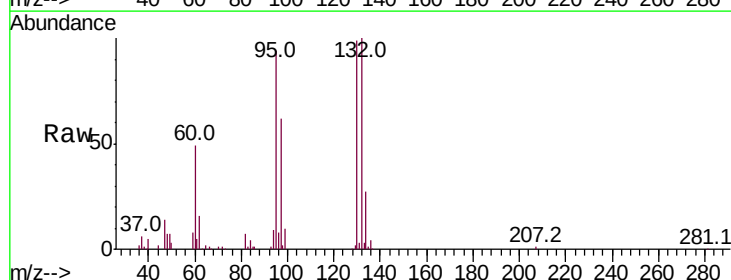
RT: 9.11 min Scan# 1222

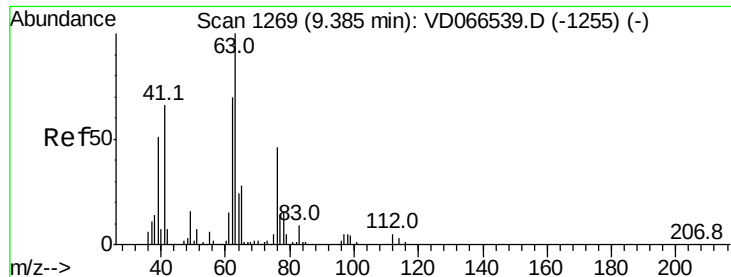
Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Tgt Ion	130	95
Ion	130	95
Ratio	100	95.0
Lower		0.0
Upper		194.4





#45

1,2-Dichloropropane

Concen: 20.676 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

Tot Ion: 63 Resp: 90240

Ion Ratio Lower Upper

63 100

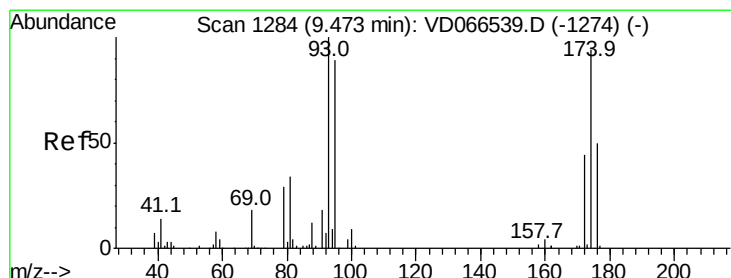
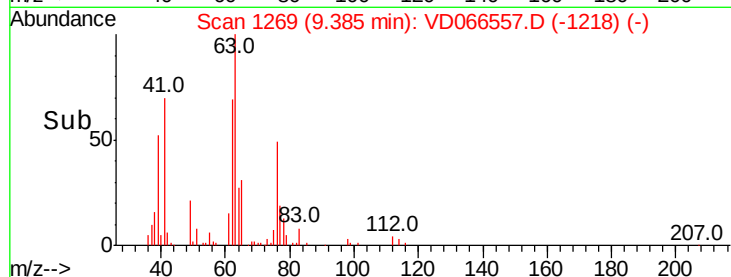
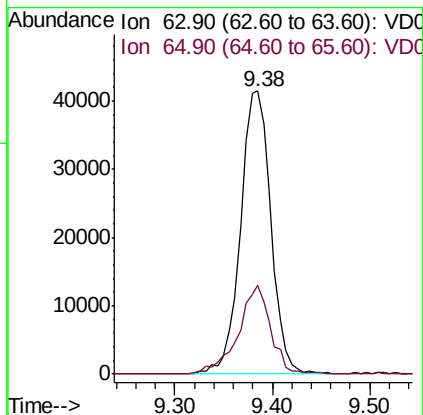
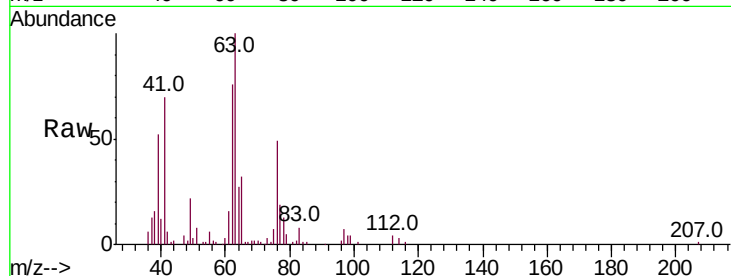
65 31.5 22.6 34.0

Manual Integrations

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sam

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#46

Dibromomethane

Concen: 19.700 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

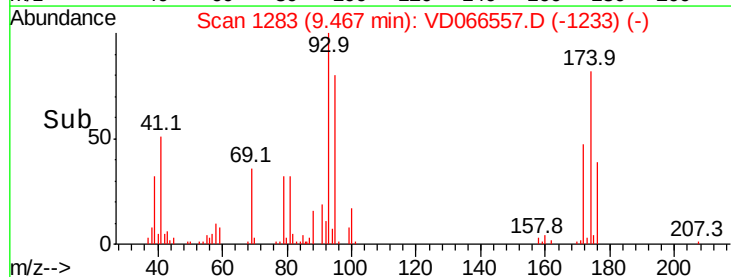
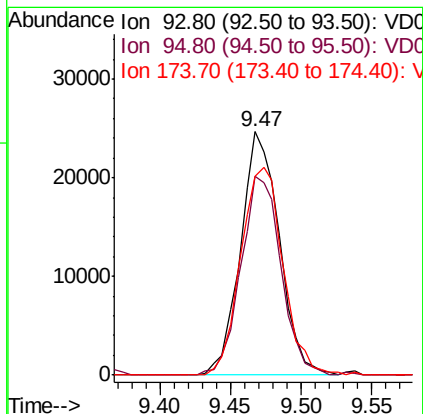
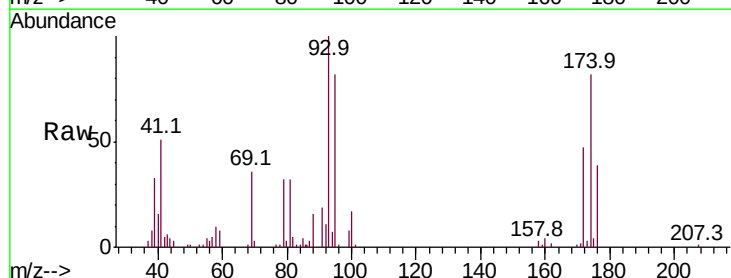
Tgt Ion: 93 Resp: 47437

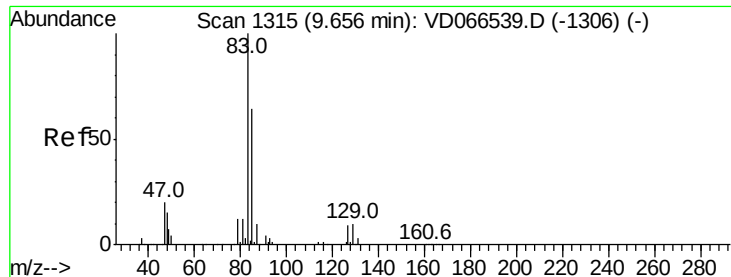
Ion Ratio Lower Upper

93 100

95 84.7 68.7 103.1

174 92.8 70.0 105.0





#47

Bromodichloromethane

Concen: 20.325 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

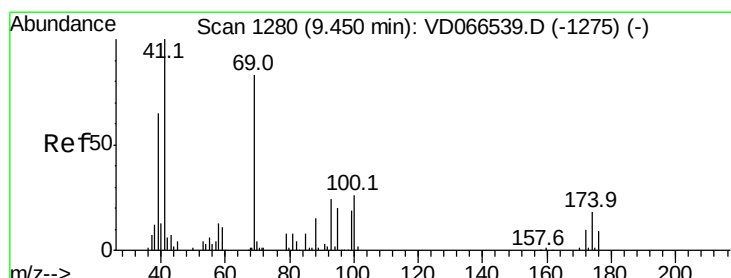
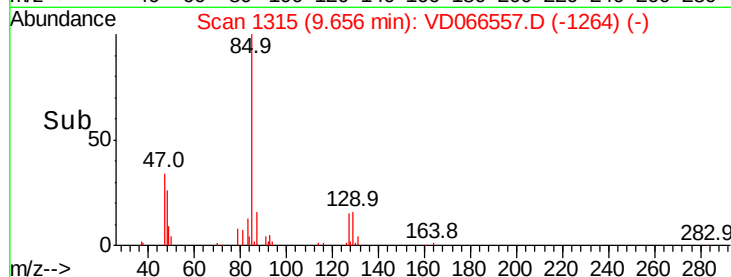
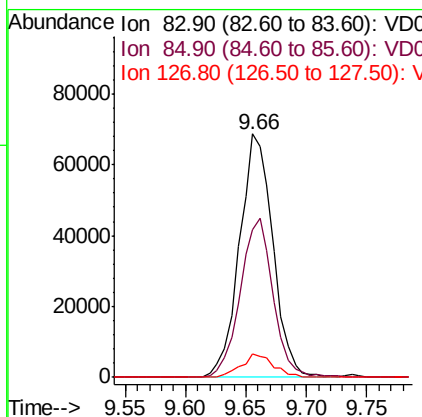
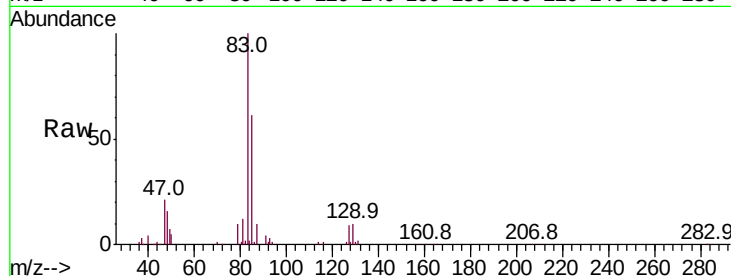
ClientSampleId :

VD0904SBSD01

Tot Ion:	83	Resp:	132411
Ion Ratio	Lower	Upper	
83	100		
85	60.9	51.1	76.7
127	9.4	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.913 ug/l

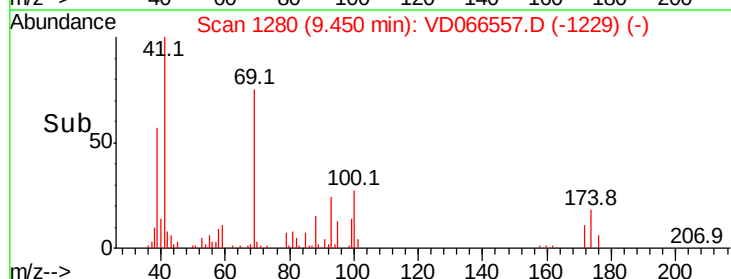
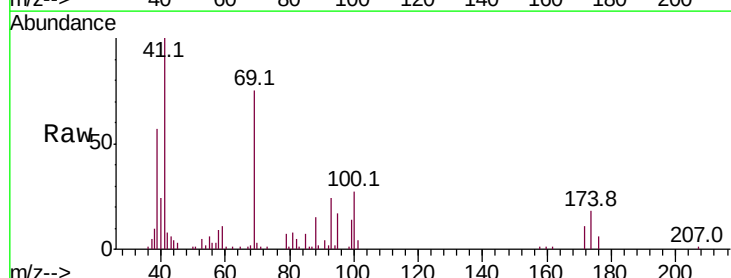
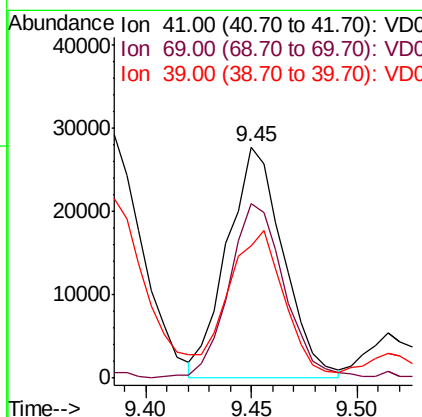
RT: 9.45 min Scan# 1280

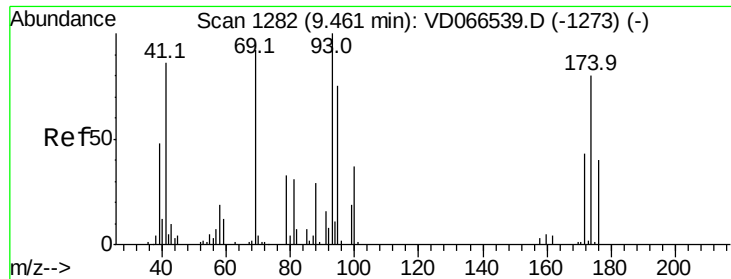
Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Tgt Ion:	41	Resp:	51135
Ion Ratio	Lower	Upper	
41	100		
69	75.0	64.5	96.7
39	59.9	46.6	69.8





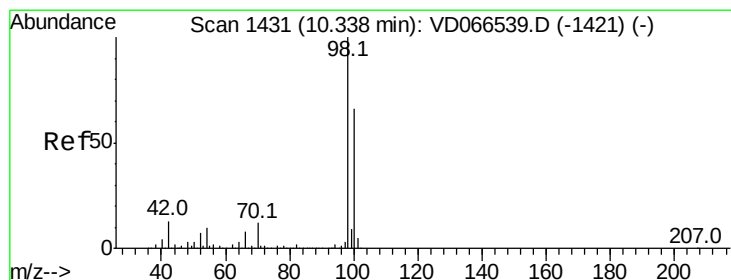
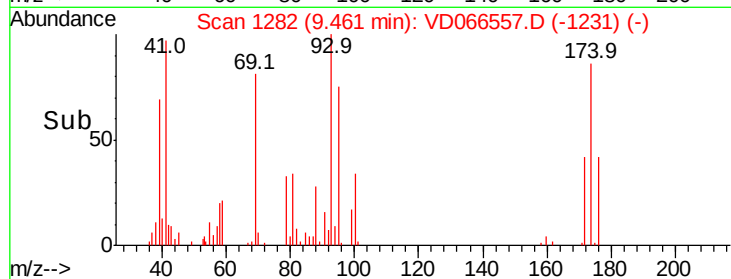
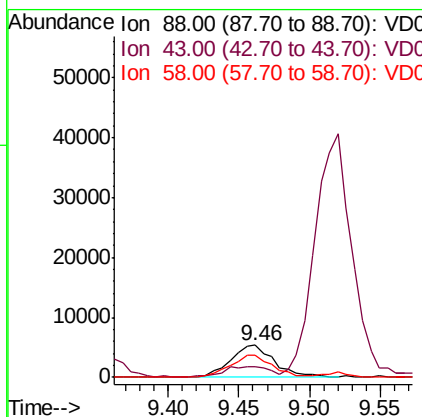
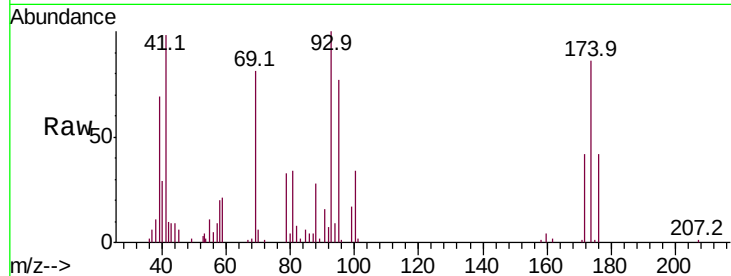
#49
1,4-Dioxane
Concen: 431.917 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion	88	Resp	11410
Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.3	42.5
58	66.1	56.1	84.1

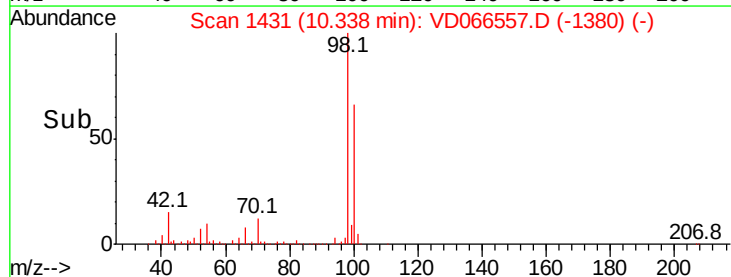
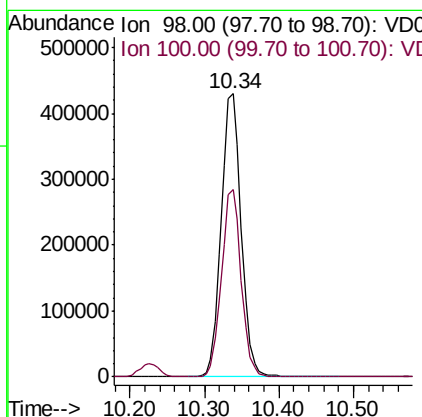
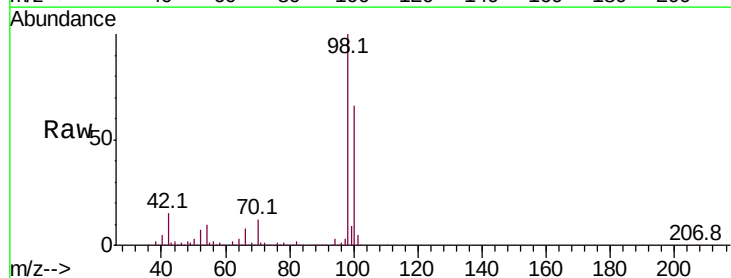
Manual Integrations
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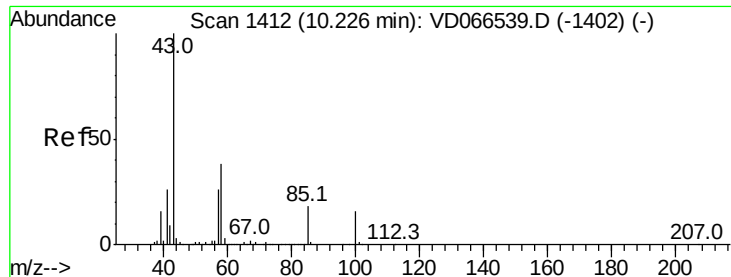
sam
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#50
Toluene-d8
Concen: 54.574 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion	98	Resp	801238
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.9	79.3





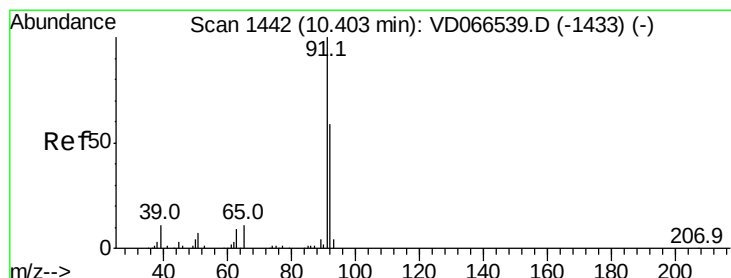
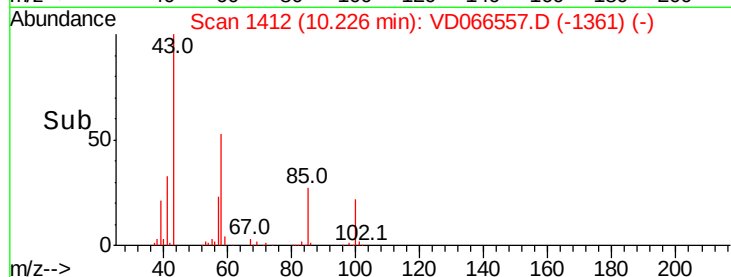
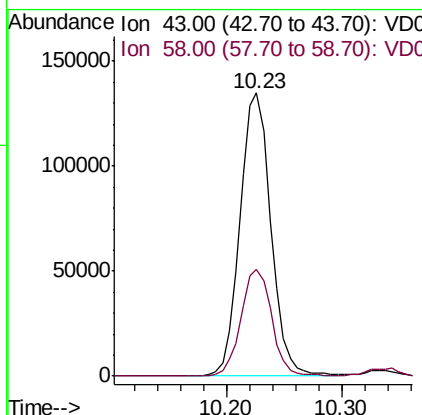
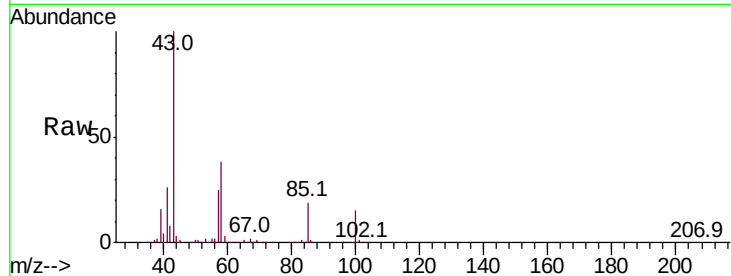
#51
4-Methyl-2-Pentanone
Concen: 102.883 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.7	30.5	45.7

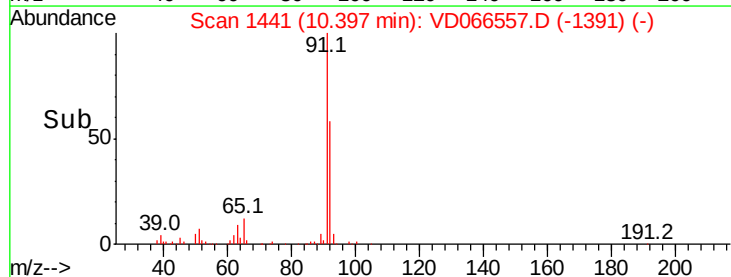
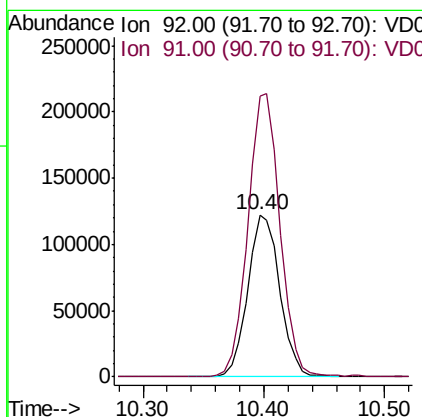
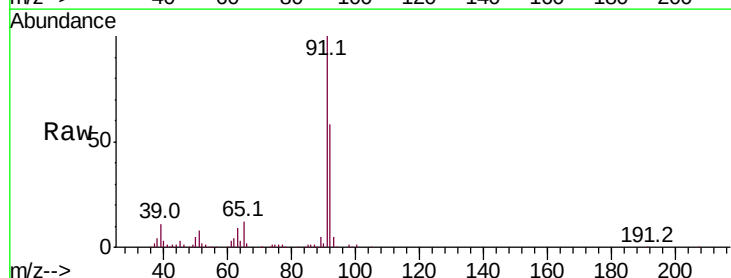
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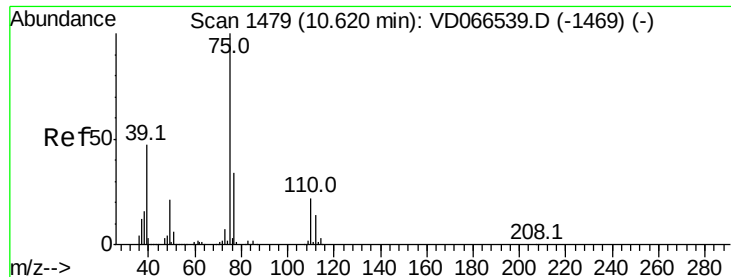
Sam
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#52
Toluene
Concen: 20.587 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.5	137.4	206.2





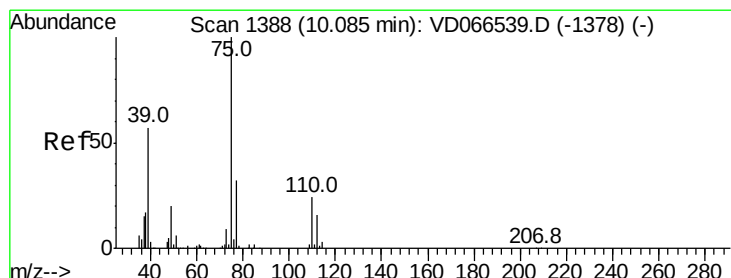
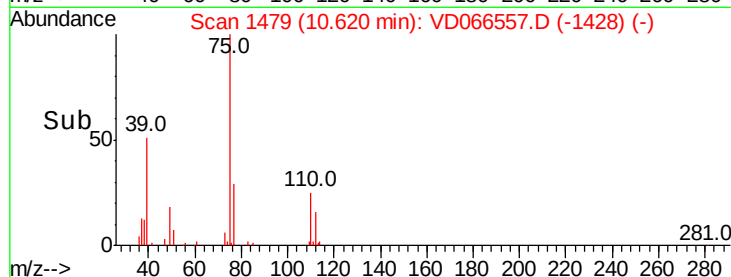
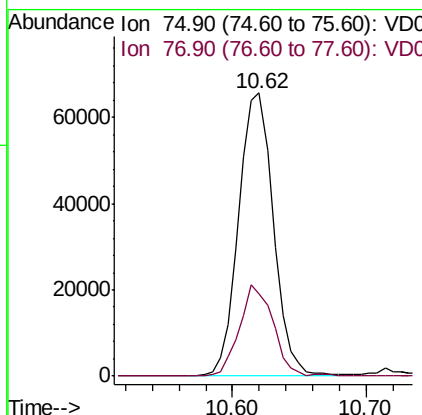
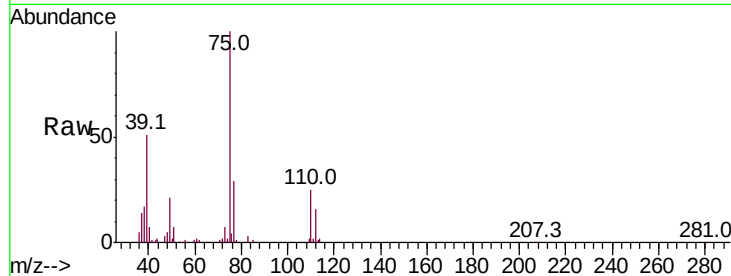
#53
 t-1,3-Dichloropropene
 Concen: 20.604 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

Tot Ion: 75 Resp: 118493
 Ion Ratio Lower Upper
 75 100
 77 29.1 27.4 41.2

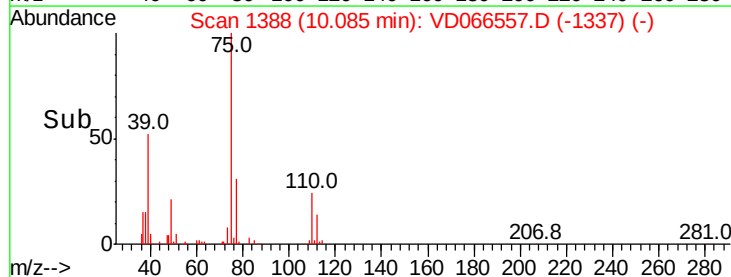
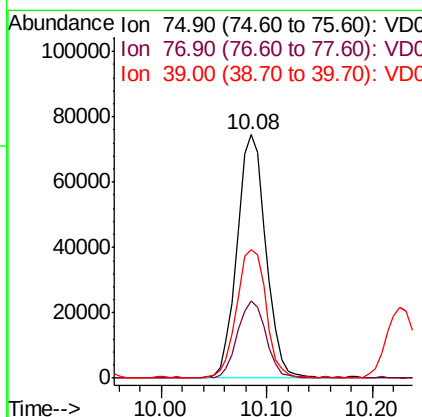
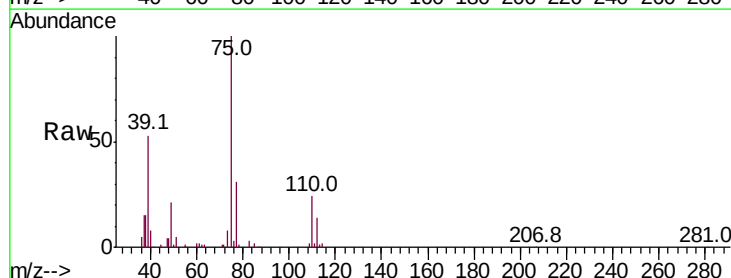
Manual Integrations
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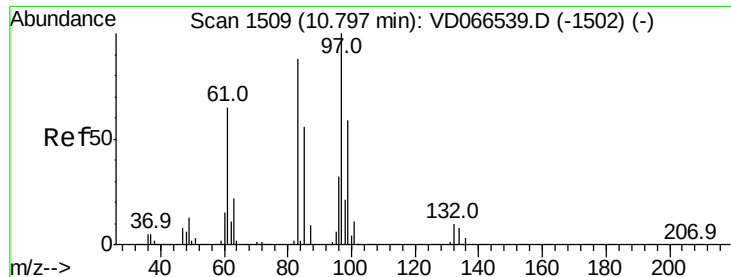
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 20.396 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion: 75 Resp: 140864
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.4 38.0
 39 52.3 45.4 68.0





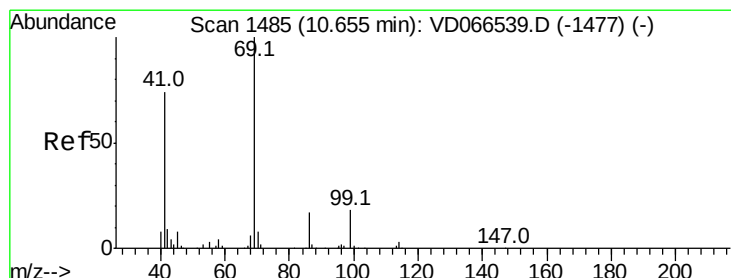
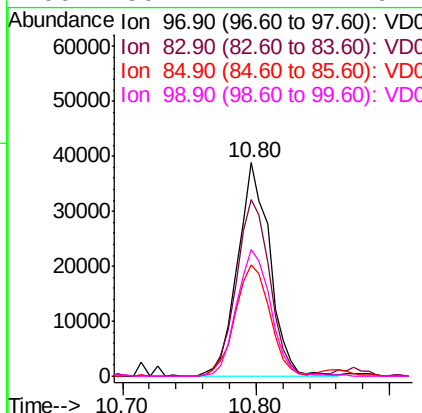
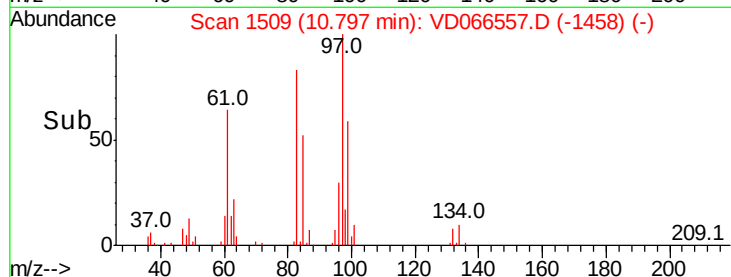
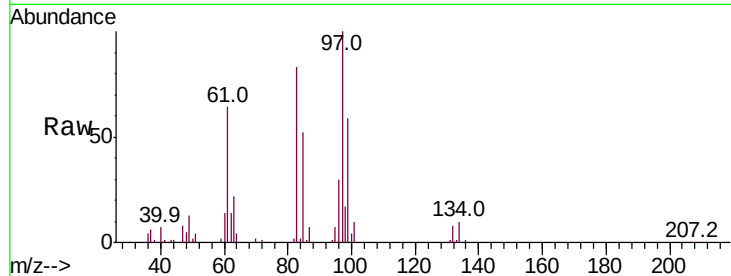
#55
 1,1,2-Trichloroethane
 Concen: 21.008 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

Tot Ion:	97	Resp:	65042
Ion	Ratio	Lower	Upper
97	100		
83	82.6	70.1	105.1
85	52.0	44.5	66.7
99	59.1	47.1	70.7

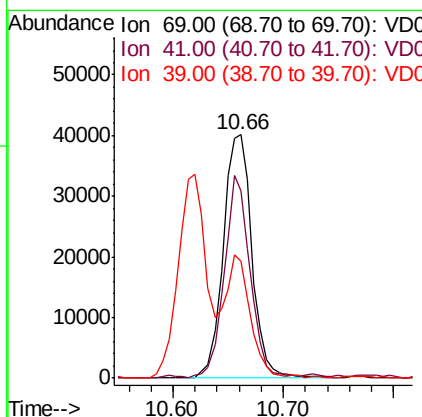
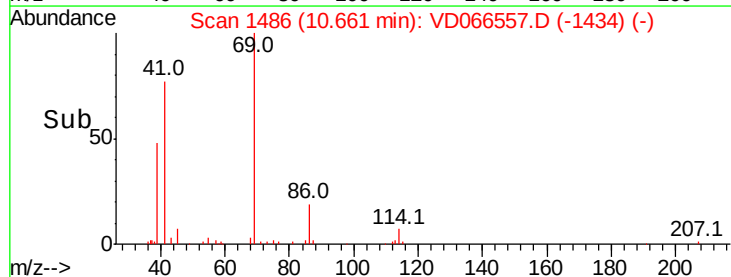
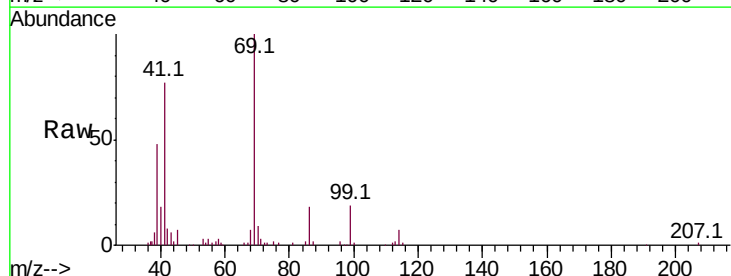
Manual Integrations
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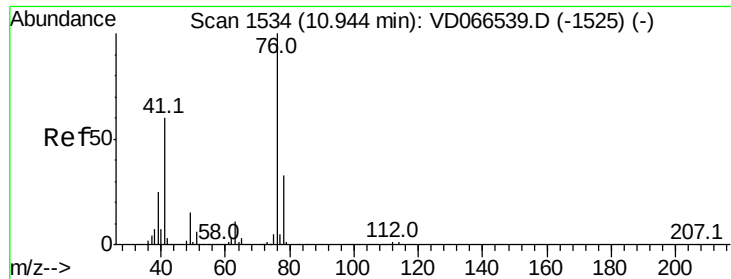
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#56
 Ethyl methacrylate
 Concen: 20.178 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion:	69	Resp:	72739
Ion	Ratio	Lower	Upper
69	100		
41	75.0	56.8	85.2
39	45.7	30.6	46.0





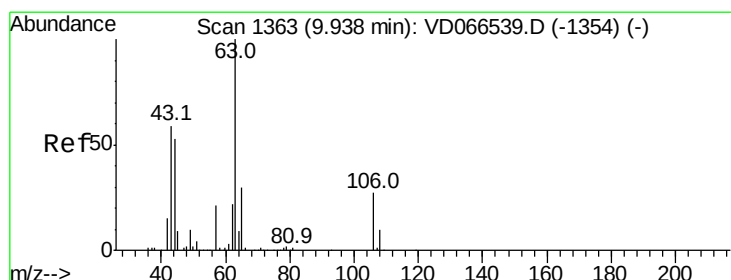
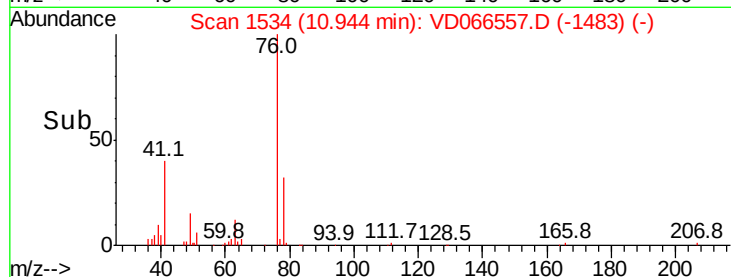
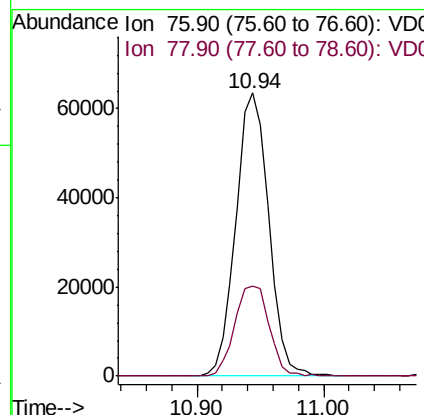
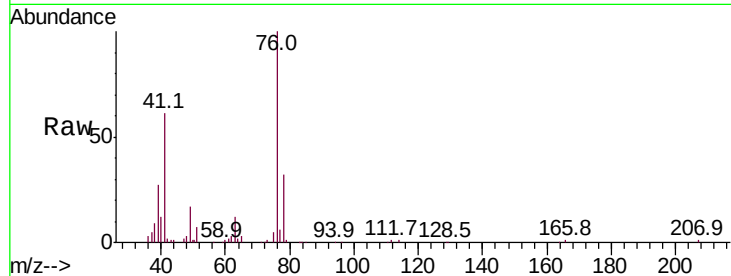
#57
 1,3-Dichloropropane
 Concen: 21.073 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.8	38.8

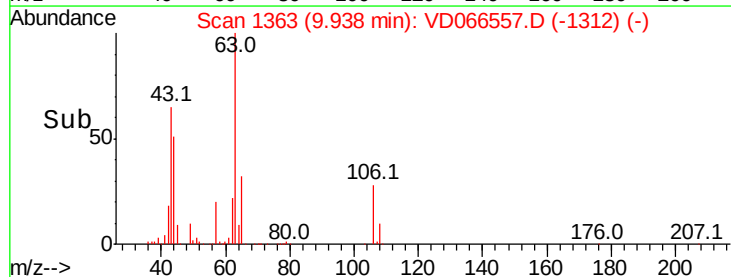
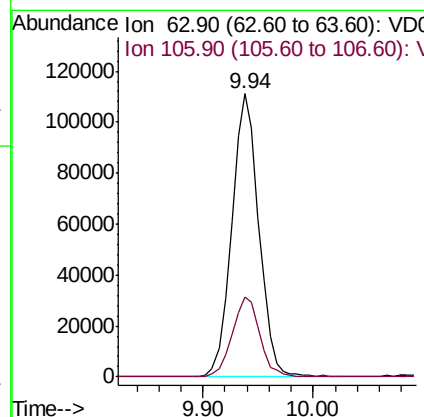
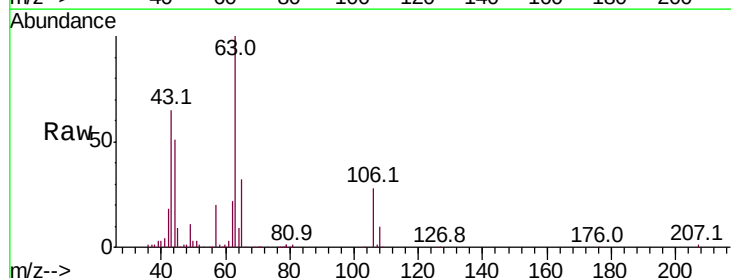
Manual Integrations
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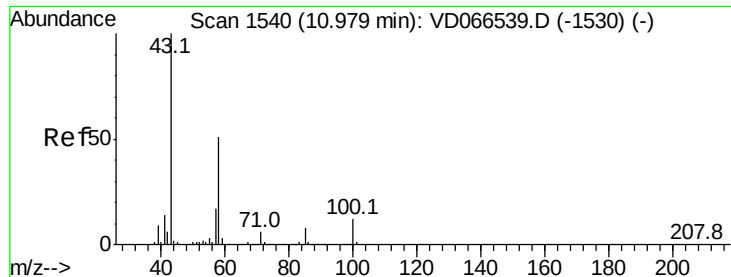
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 115.653 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	22.0	33.0





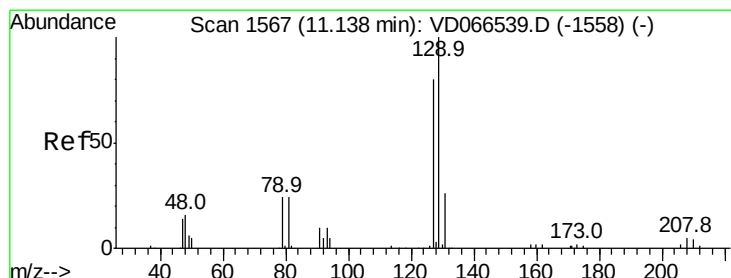
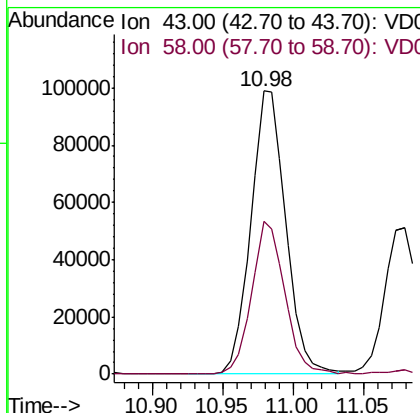
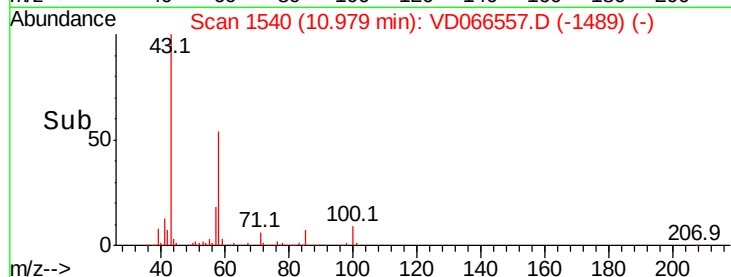
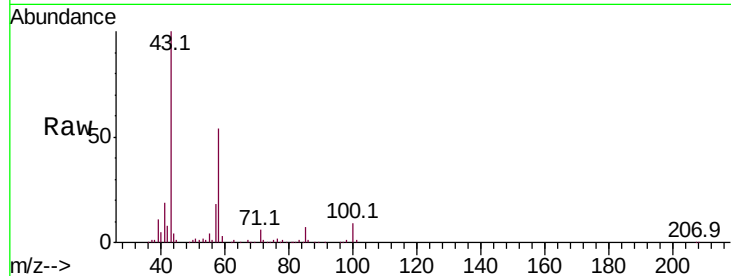
#59
2-Hexanone
Concen: 104.929 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion: 43 Resp: 172085
Ion Ratio Lower Upper
43 100
58 51.3 25.6 76.8

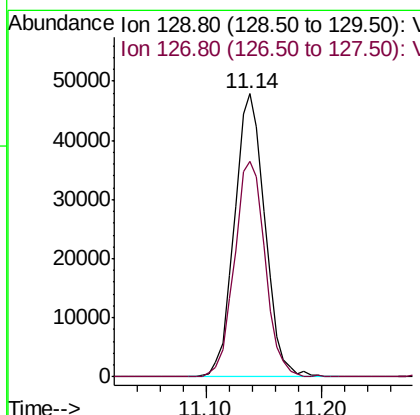
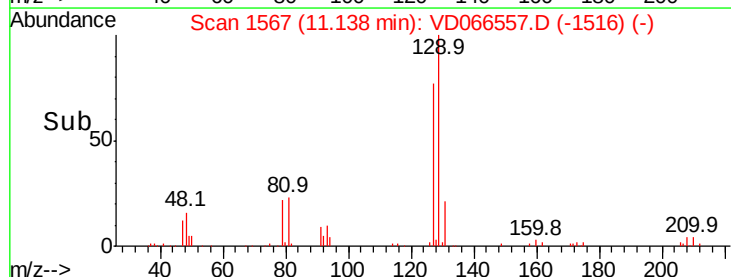
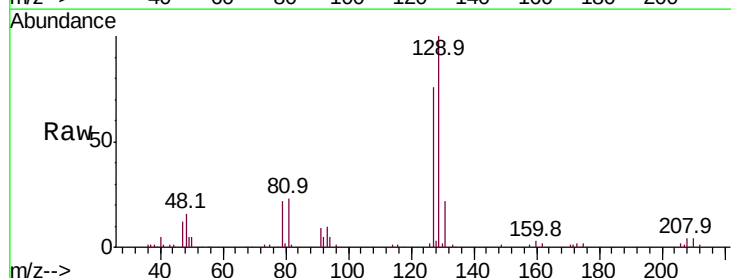
Manual Integrations
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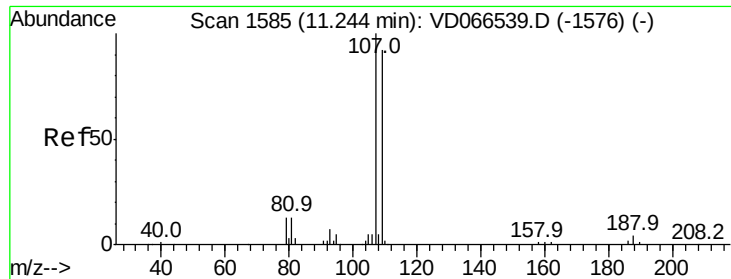
sam
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#60
Dibromochloromethane
Concen: 21.392 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion: 129 Resp: 87581
Ion Ratio Lower Upper
129 100
127 76.2 39.5 118.3





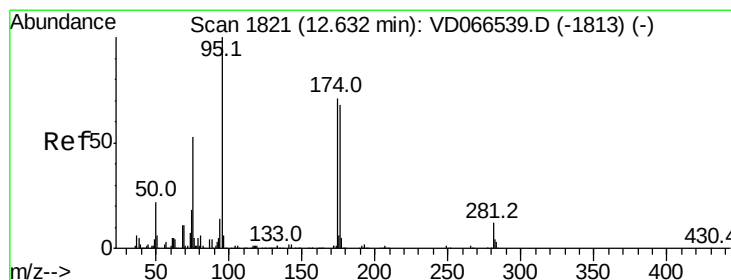
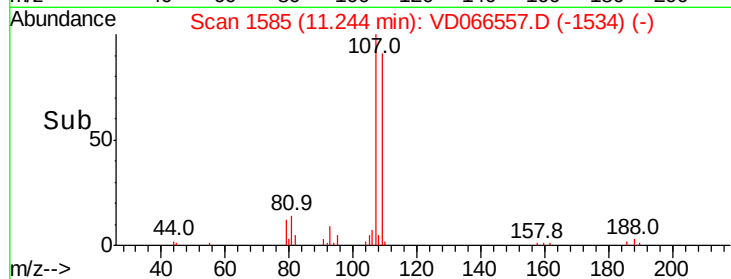
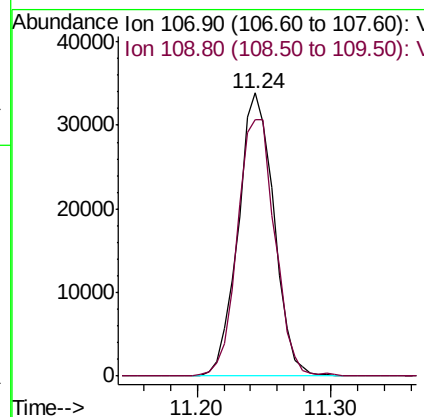
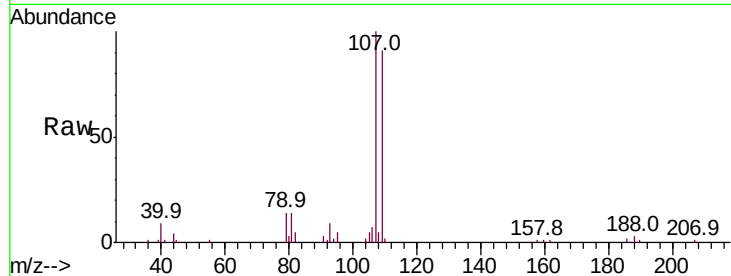
#61
 1,2-Dibromoethane
 Concen: 20.794 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	74.4	111.6

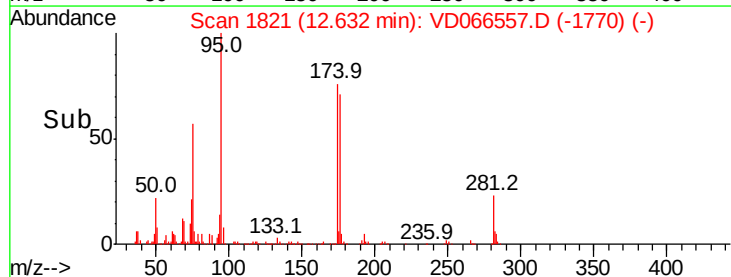
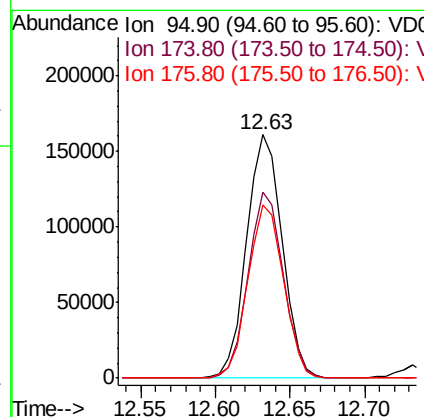
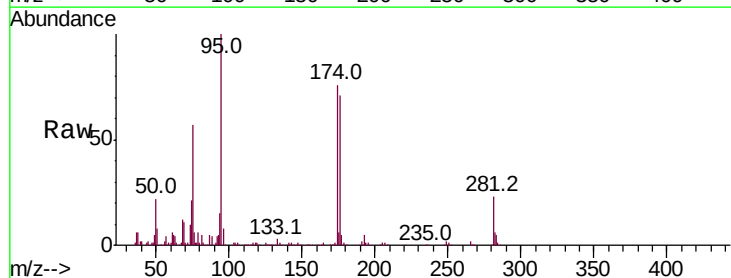
Manual Integrations
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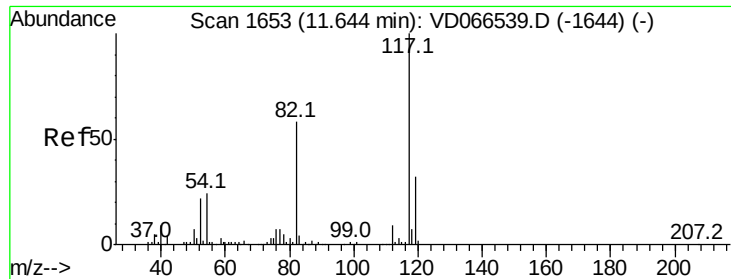
sam
 9/8/2020 5:42:50 PM



#62
 4-Bromofluorobenzene
 Concen: 54.630 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	155.8
176	71.4	0.0	148.6





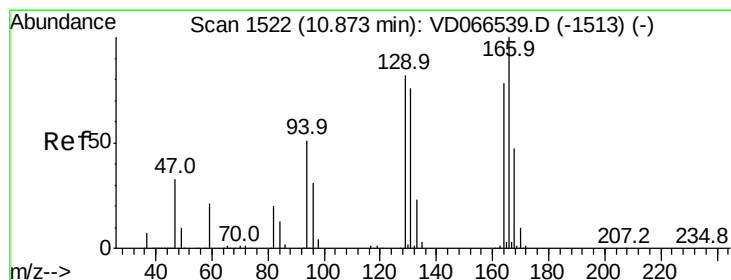
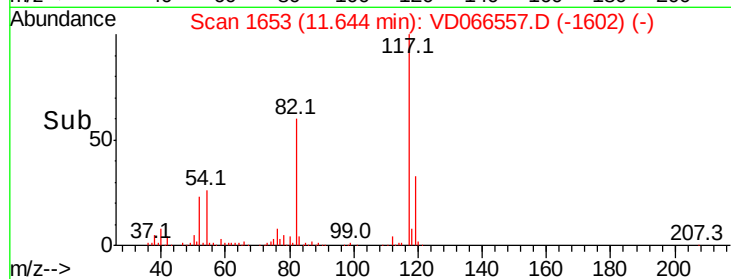
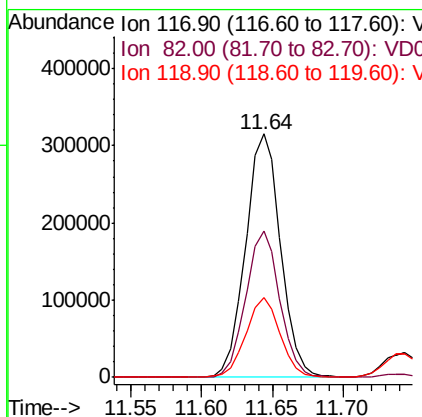
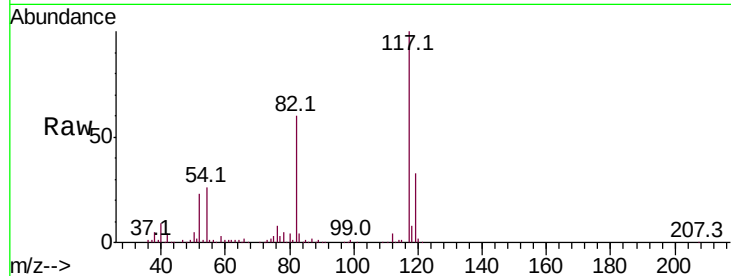
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	60.0	46.2	69.2	
119	32.9	25.8	38.8	

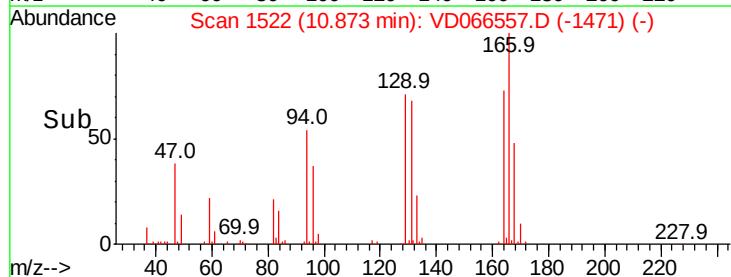
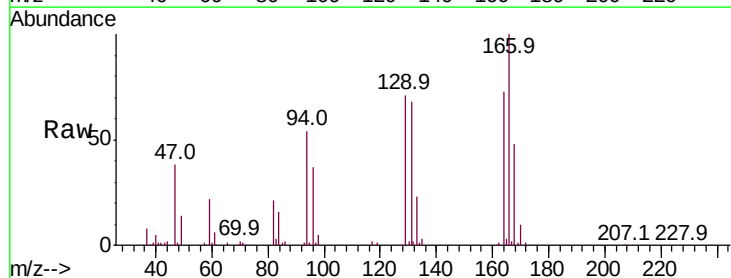
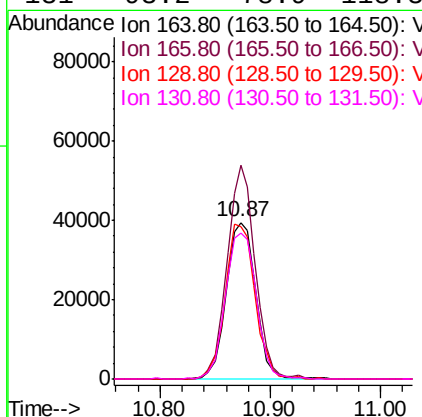
Manual Integrations
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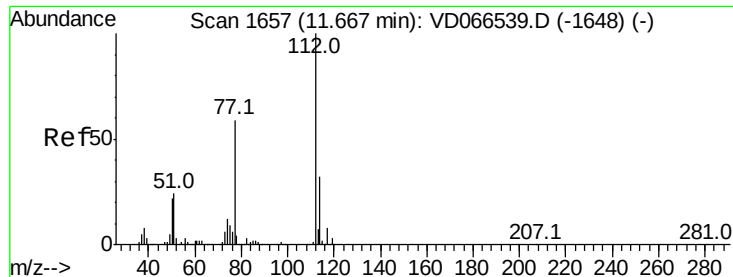
sam
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#64
Tetrachloroethene
Concen: 20.023 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	136.2	103.2	154.8	
129	97.3	84.5	126.7	
131	93.2	78.9	118.3	





#65

Chlorobenzene

Concen: 20.886 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

Tot Ion:112 Resp: 236229

Ion Ratio Lower Upper

112 100

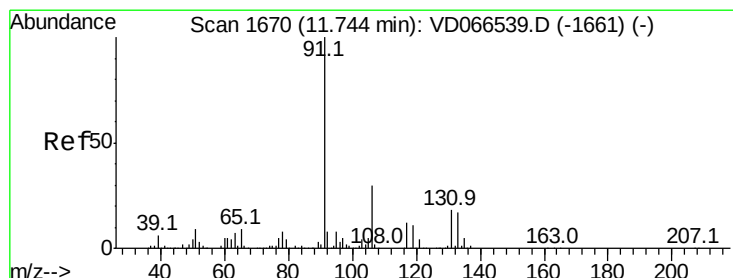
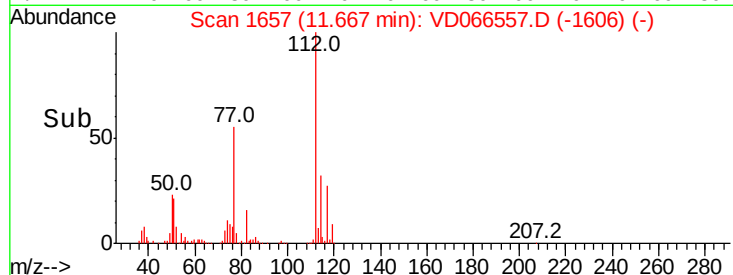
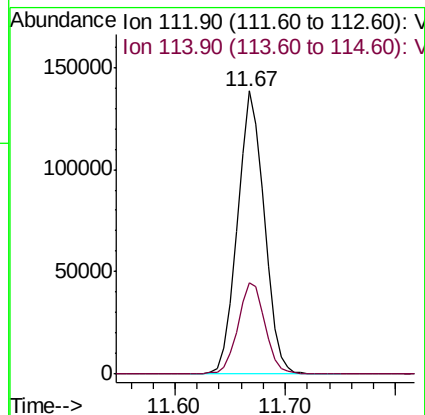
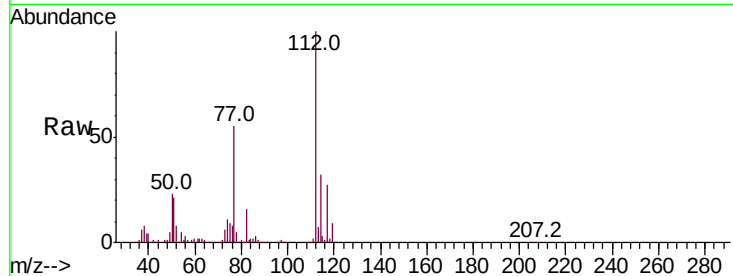
114 32.2 25.7 38.5

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.833 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

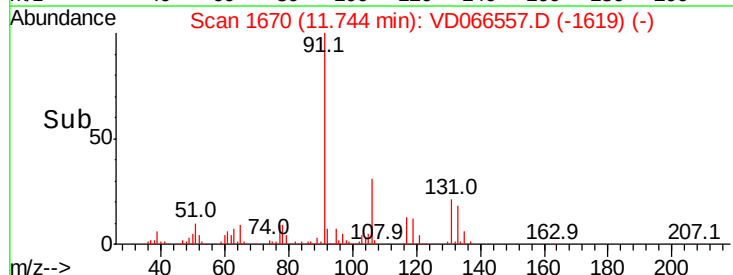
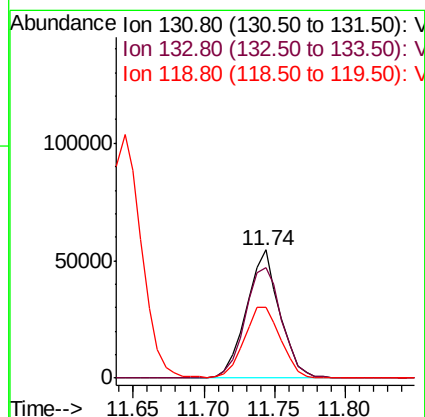
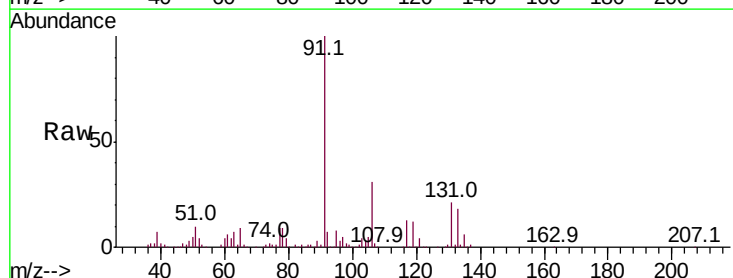
Tgt Ion:131 Resp: 89928

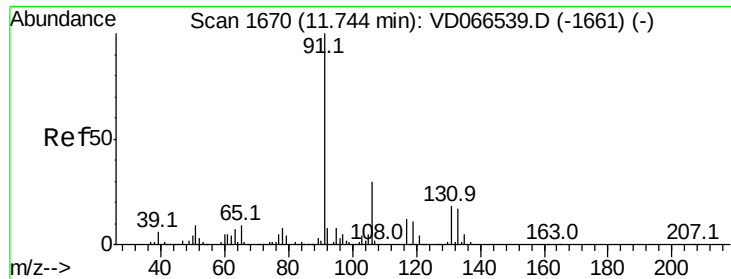
Ion Ratio Lower Upper

131 100

133 95.2 46.7 140.0

119 60.8 31.9 95.7





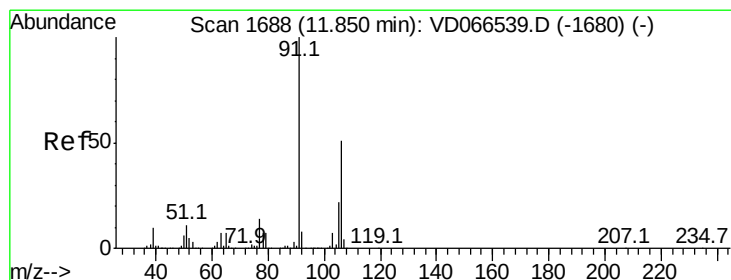
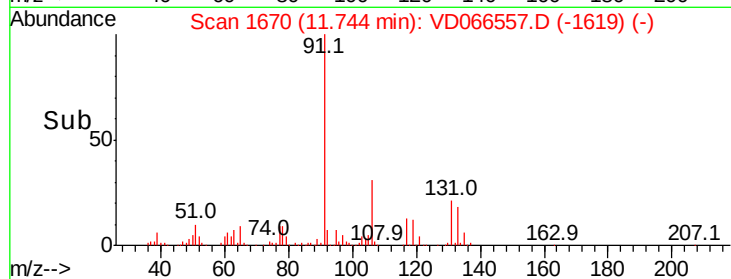
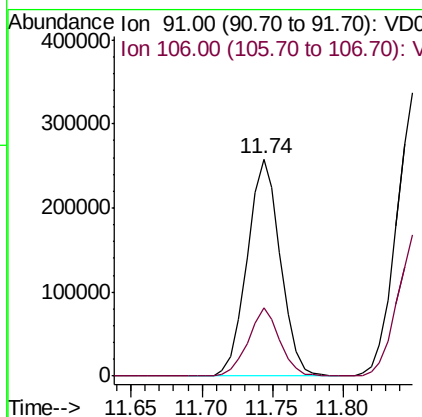
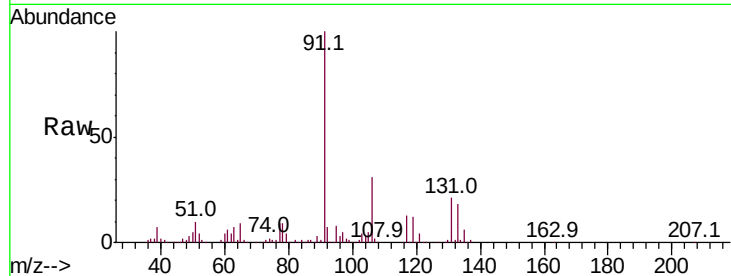
#67
Ethyl Benzene
Concen: 20.462 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.3	36.5

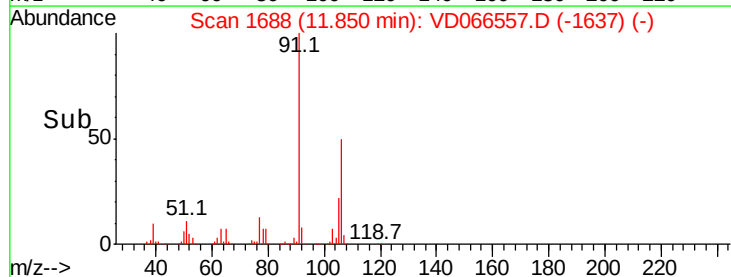
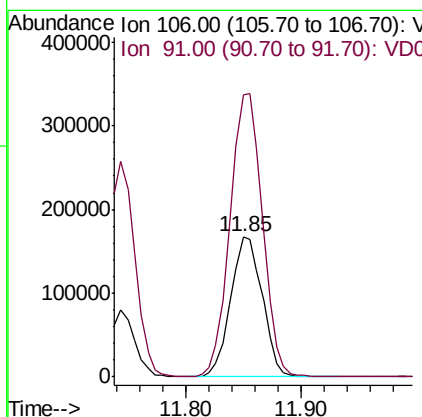
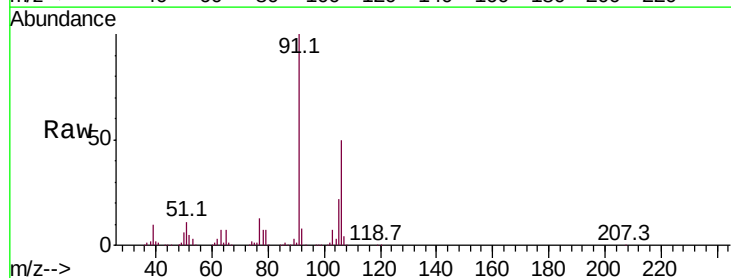
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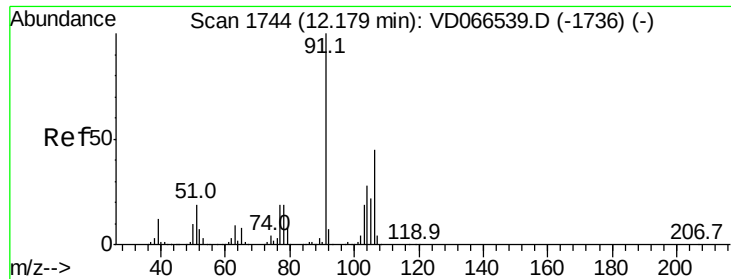
sam
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#68
m/p-Xylenes
Concen: 41.242 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
106	100		
91	207.1	162.4	243.6





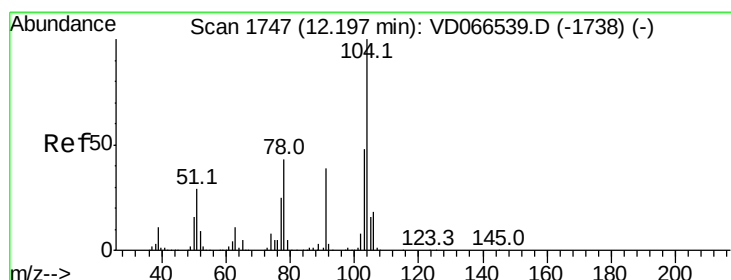
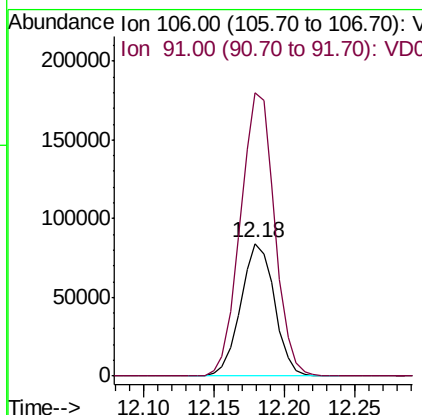
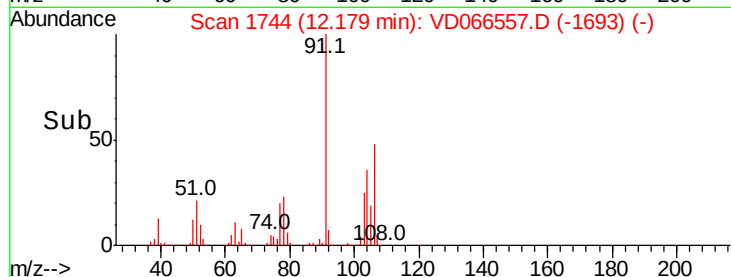
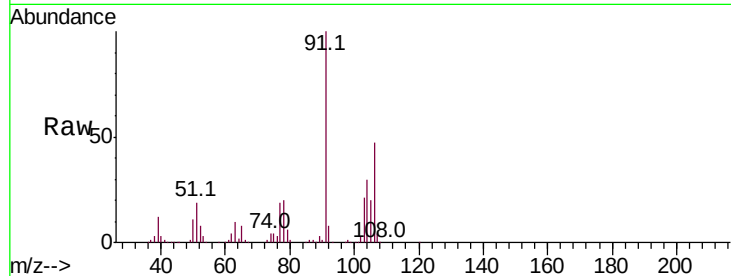
#69
o-Xylene
Concen: 20.394 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion:106 Resp: 140942
Ion Ratio Lower Upper
106 100
91 217.1 107.9 323.8

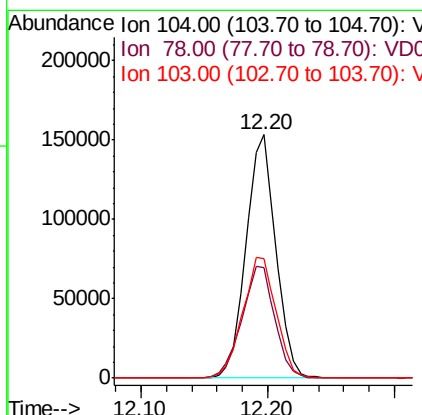
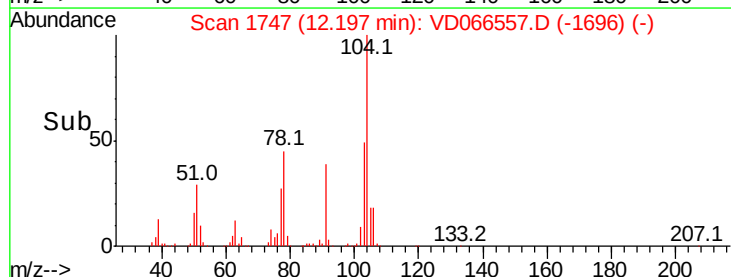
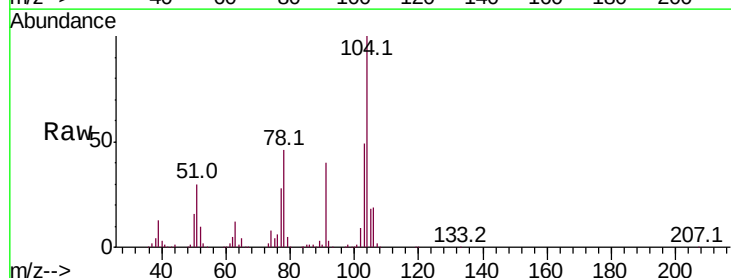
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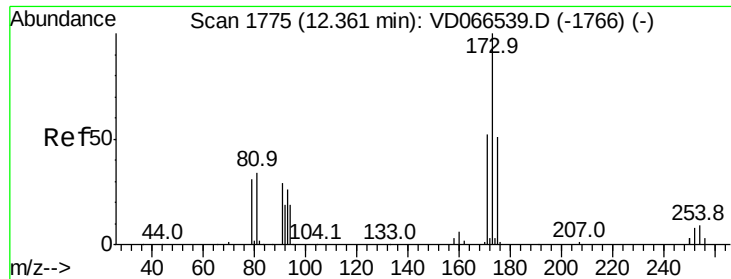
sam
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#70
Styrene
Concen: 20.887 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion:104 Resp: 250943
Ion Ratio Lower Upper
104 100
78 50.9 40.7 61.1
103 55.6 42.9 64.3





#71

Bromoform

Concen: 20.257 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBS01

Tot Ion:173 Resp: 44068

Ion Ratio Lower Upper

173 100

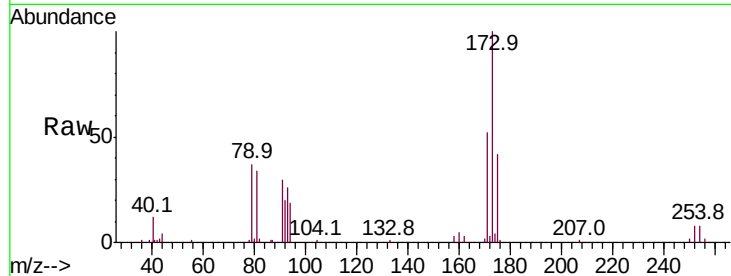
175 46.0 24.2 72.6

254 0.0 0.0 0.0

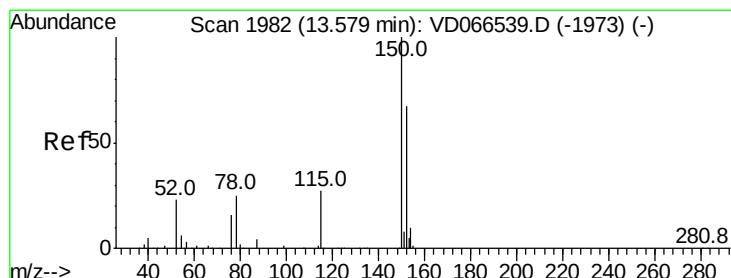
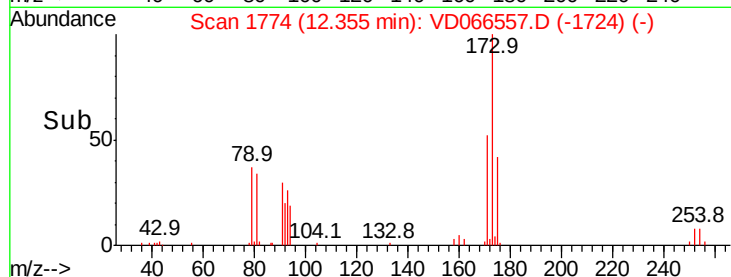
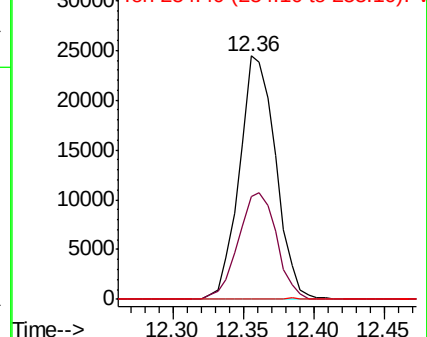
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

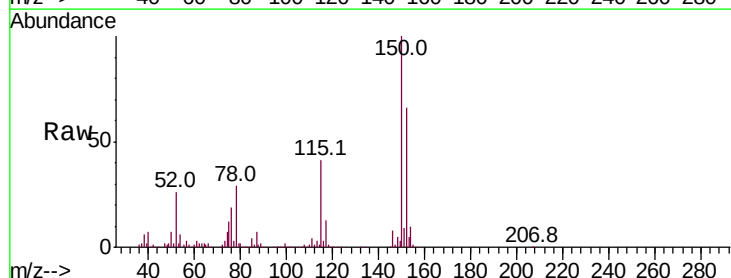
Tgt Ion:152 Resp: 256572

Ion Ratio Lower Upper

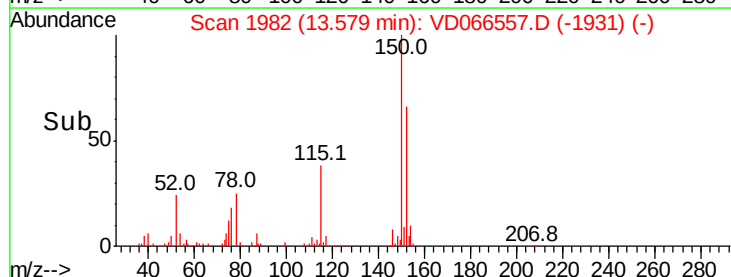
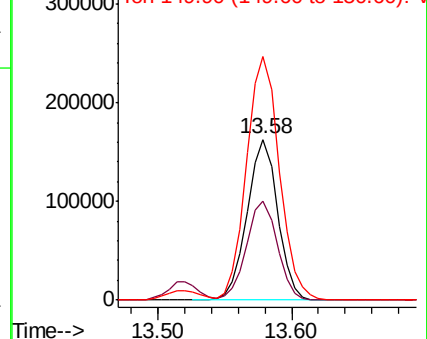
152 100

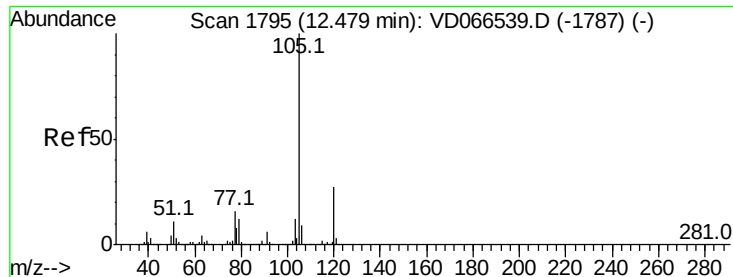
115 62.7 30.4 91.2

150 163.1 0.0 345.8



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





#73

Isopropylbenzene

Concen: 20.811 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

Tot Ion:105 Resp: 395327

Ion Ratio Lower Upper

105 100

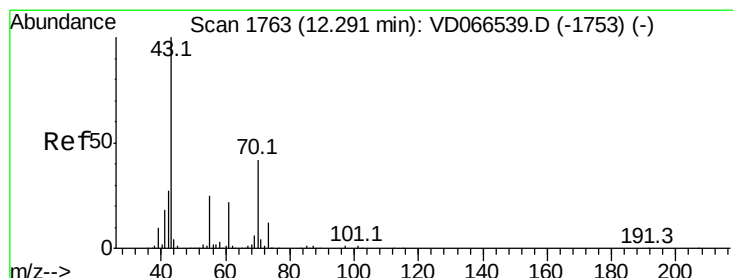
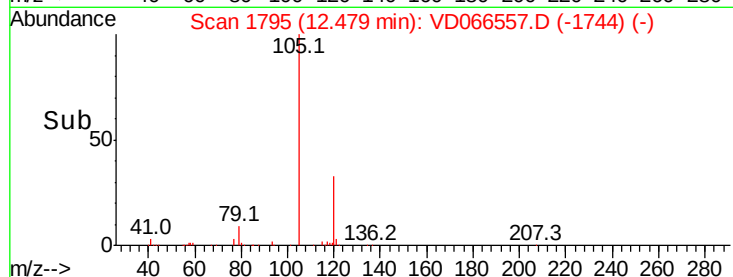
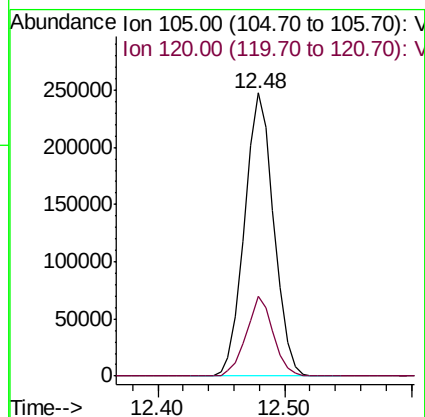
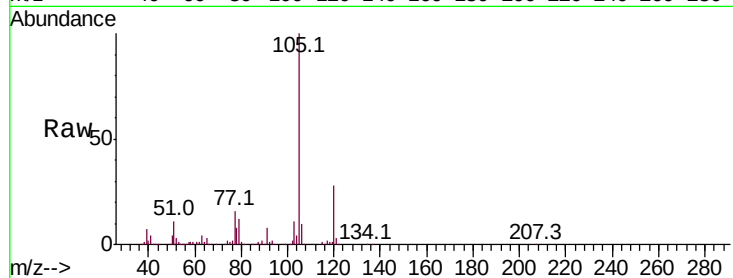
120 26.1 13.0 39.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.514 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Tgt Ion: 43 Resp: 92564

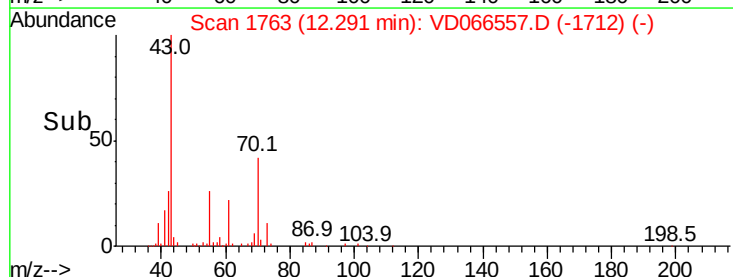
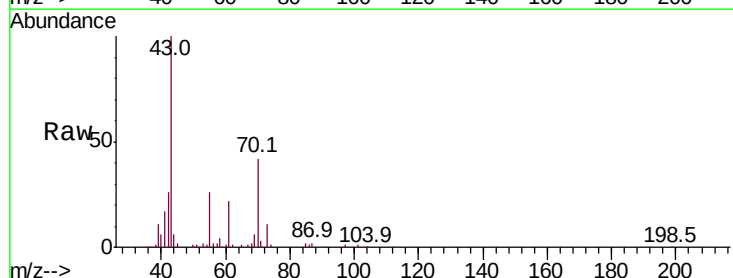
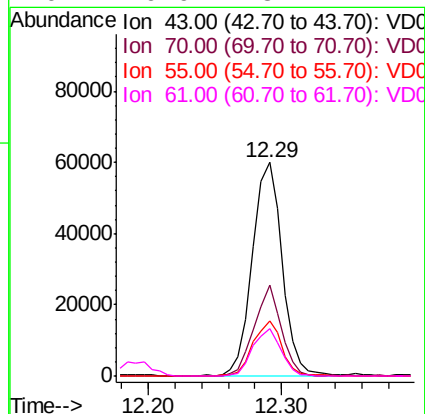
Ion Ratio Lower Upper

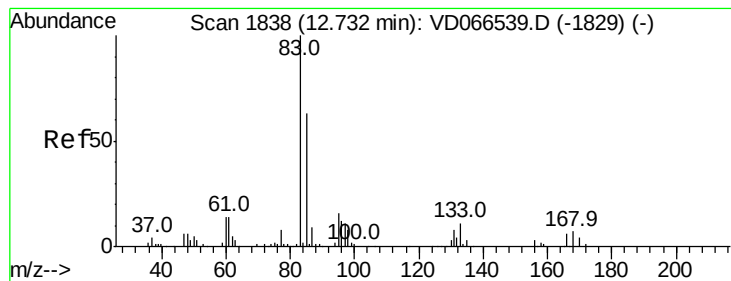
43 100

70 38.0 33.4 50.2

55 24.8 20.1 30.1

61 20.9 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.394 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

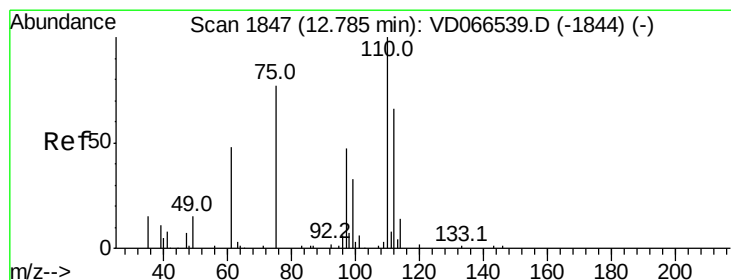
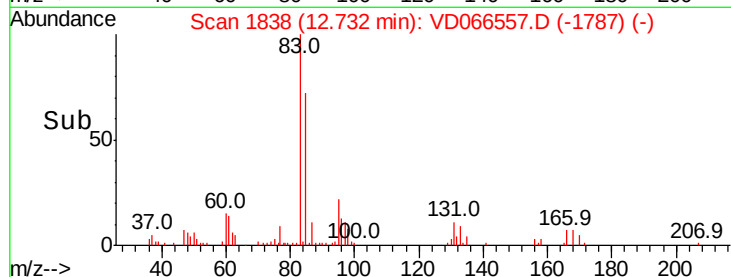
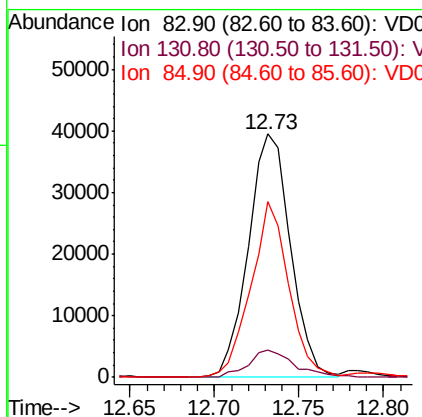
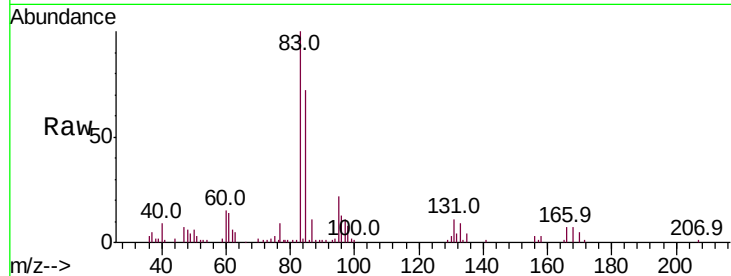
ClientSampleId :

VD0904SBSD01

Tot Ion:	83	Resp:	68441
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.0	15.0
85	65.2	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.970 ug/l m

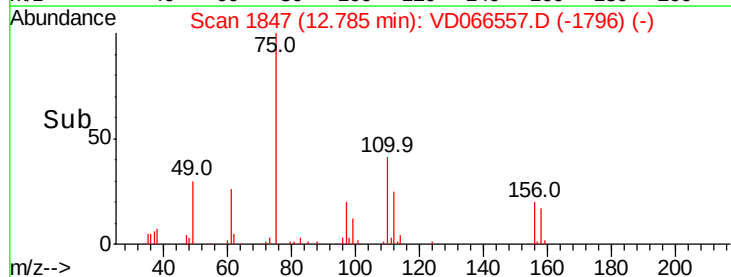
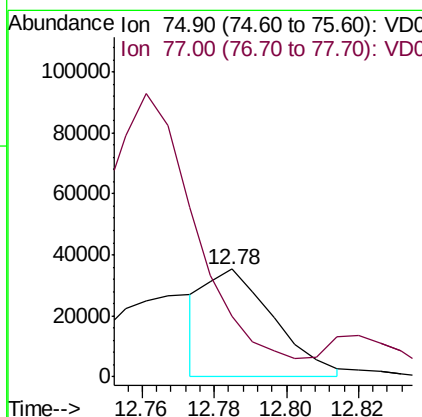
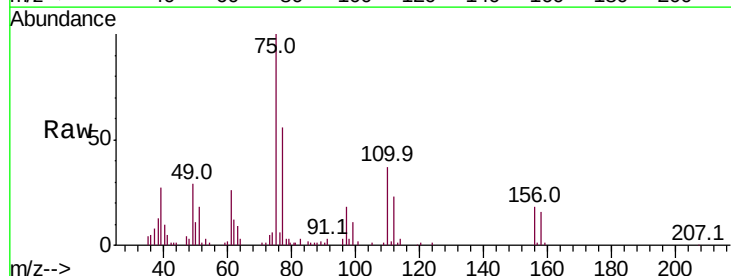
RT: 12.78 min Scan# 1847

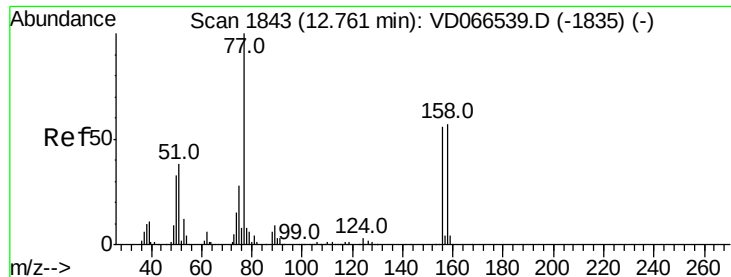
Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Tgt Ion:	75	Resp:	46810
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.479 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

Tot Ion:156 Resp: 86732

Ion Ratio Lower Upper

156 100

77 198.1 98.0 294.1

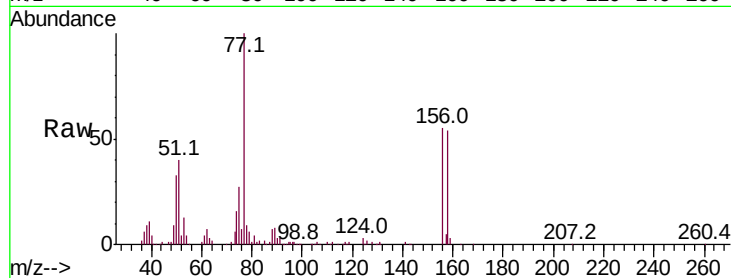
158 97.5 48.1 144.3

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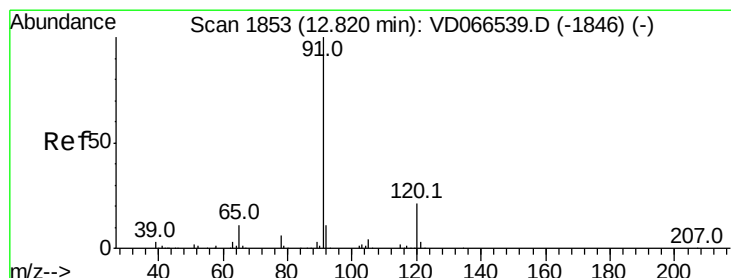
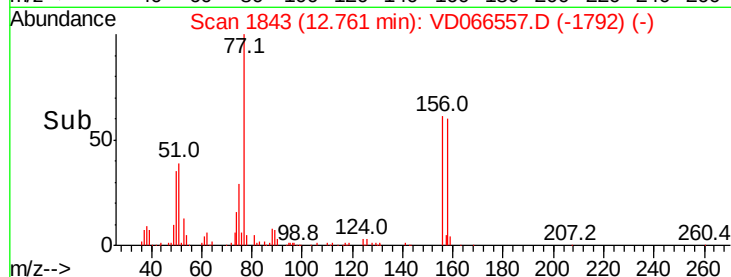
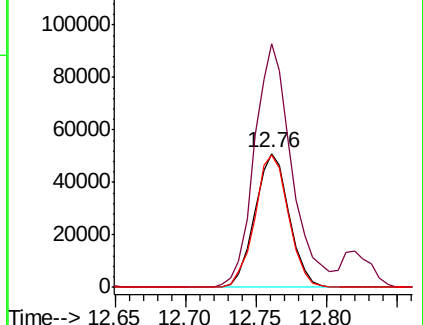
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.145 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066557.D

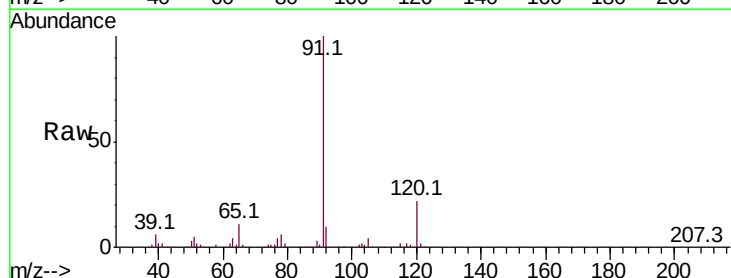
Acq: 04 Sep 2020 12:32

Tgt Ion: 91 Resp: 486944

Ion Ratio Lower Upper

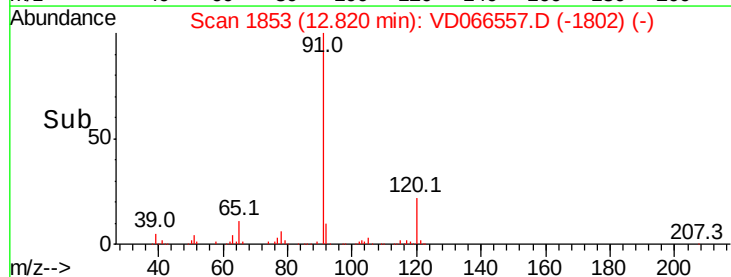
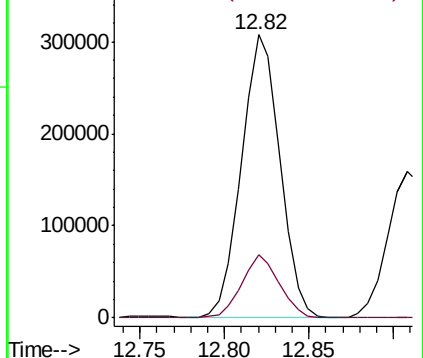
91 100

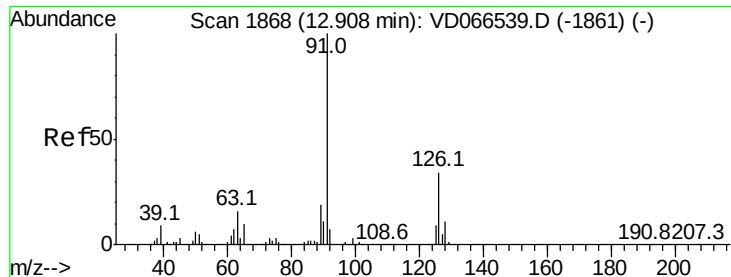
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.175 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0904SBSD01

Tot Ion: 91 Resp: 273557

Ion Ratio Lower Upper

91 100

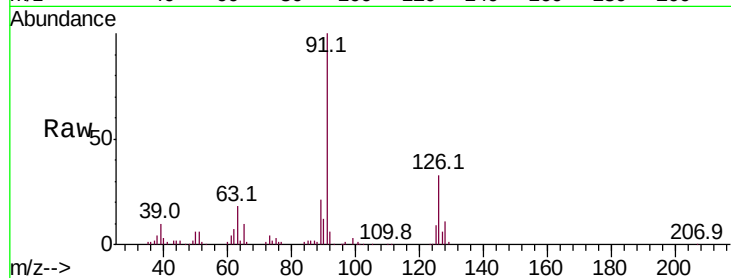
126 32.1 16.4 49.4

Manual Integrations

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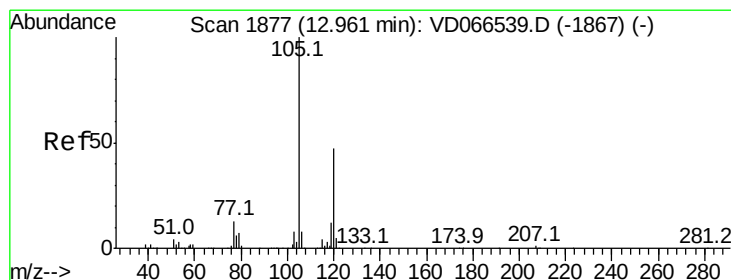
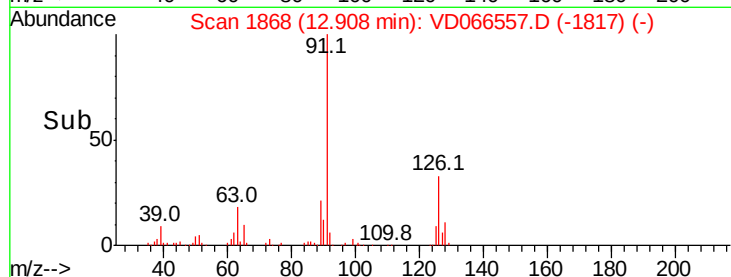
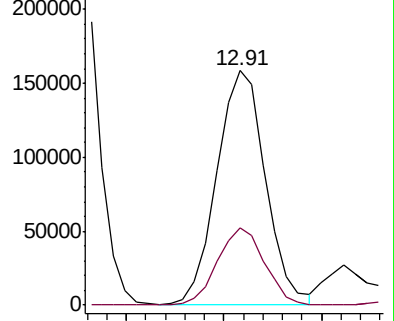
sam

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.183 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066557.D

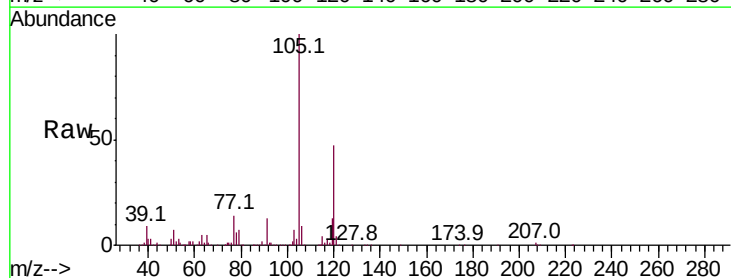
Acq: 04 Sep 2020 12:32

Tgt Ion: 105 Resp: 338680

Ion Ratio Lower Upper

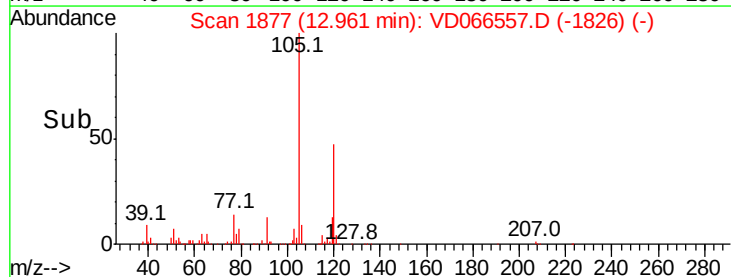
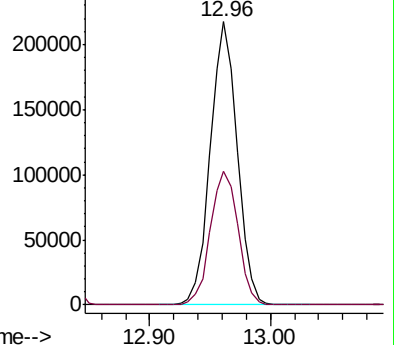
105 100

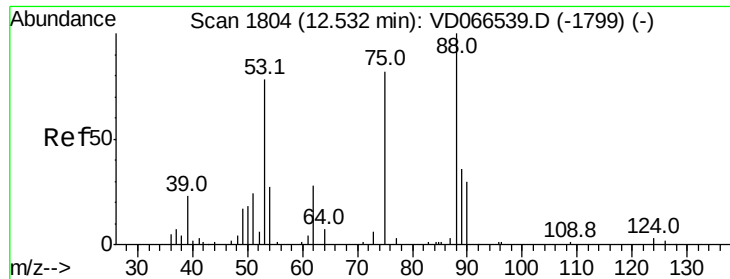
120 48.7 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





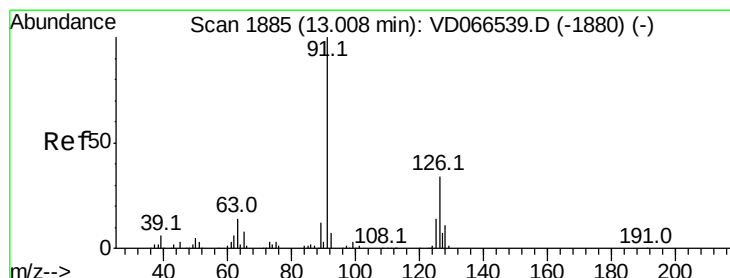
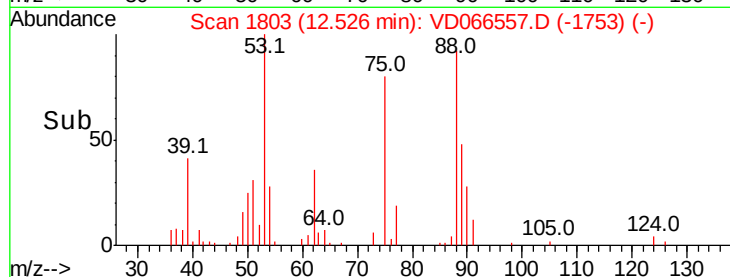
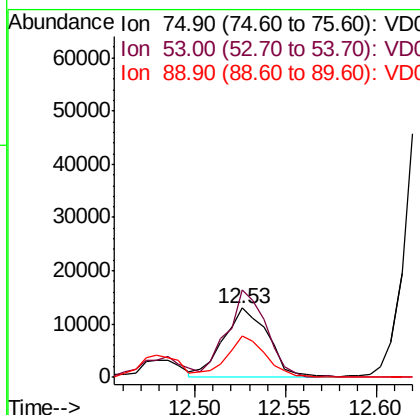
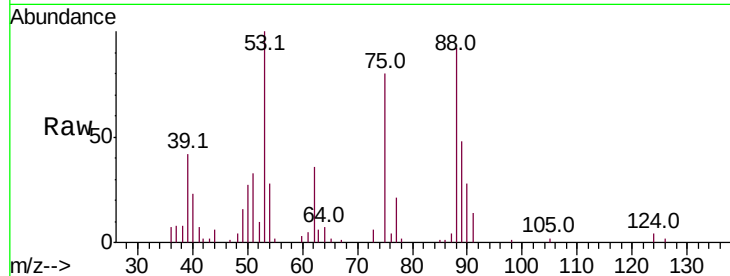
#81
trans-1,4-Dichloro-2-butene
Concen: 21.249 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.9	87.0	130.4
89	50.9	37.1	55.7

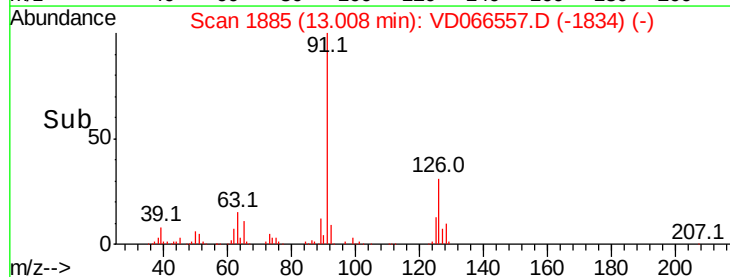
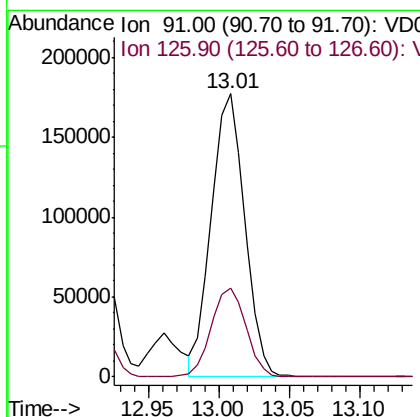
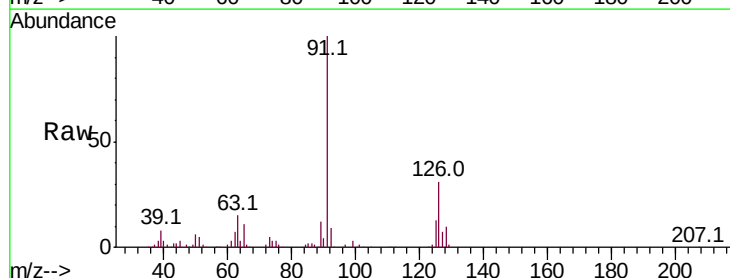
Manual Integrations
APPROVED

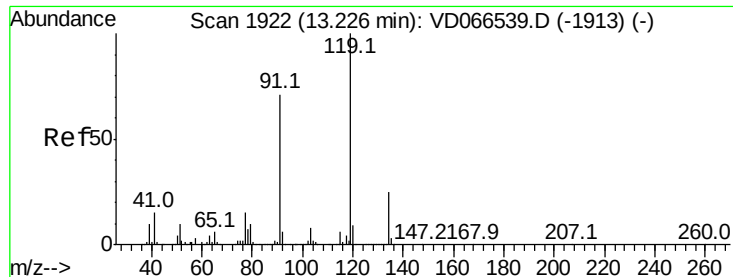
sam
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#82
4-Chlorotoluene
Concen: 21.182 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.1





#83

tert-Butylbenzene

Concen: 20.822 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

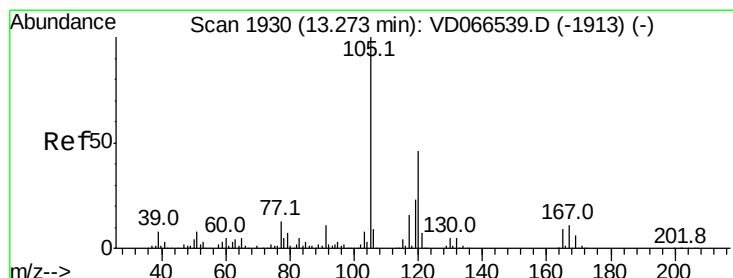
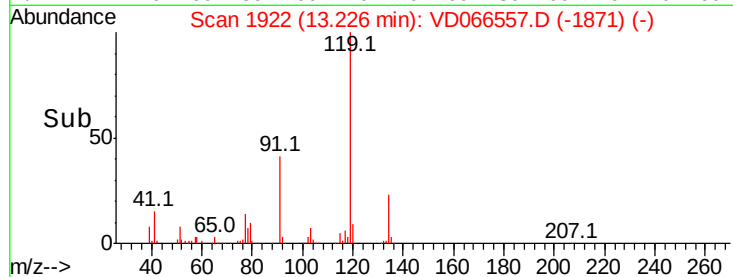
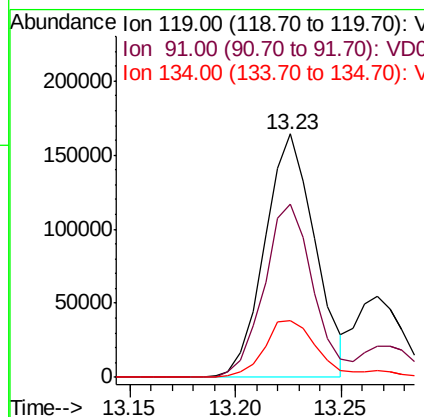
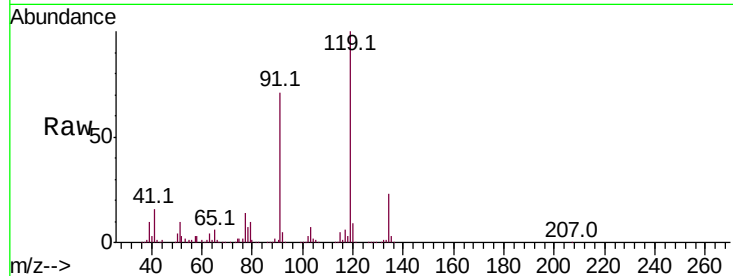
Instrument :
MSVOA_D

ClientSampleId :
VD0904SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	271863		
91	70.1	35.2	105.6	
134	26.1	13.5	40.5	

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.095 ug/l

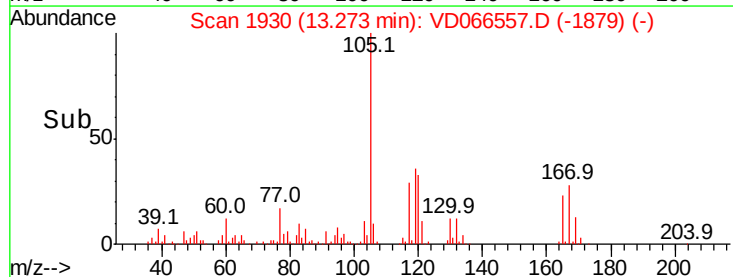
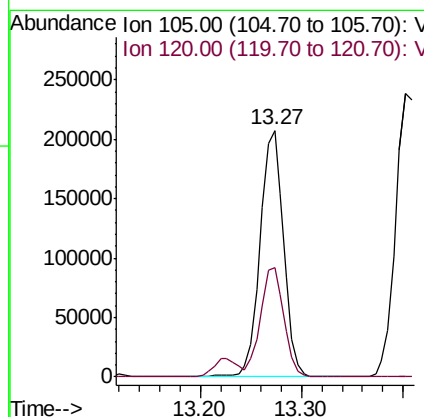
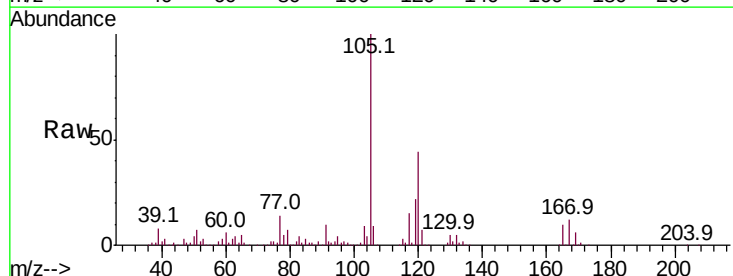
RT: 13.27 min Scan# 1930

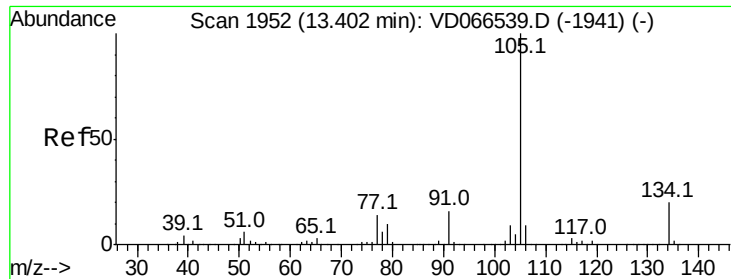
Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	335806		
120	44.1	22.6	67.7	





#85

sec-Butylbenzene

Concen: 20.578 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

ClientSampleID :

VD0904SBS01

Tot Ion:105 Resp: 387084

Ion Ratio Lower Upper

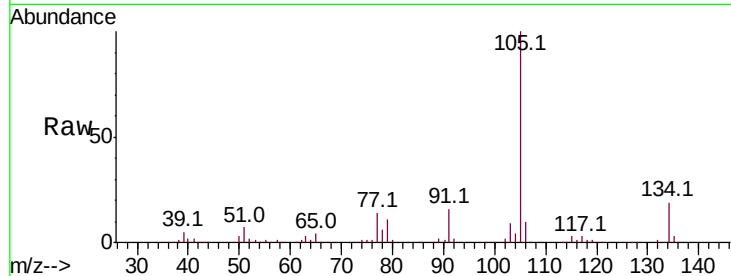
105 100

134 19.2 9.8 29.5

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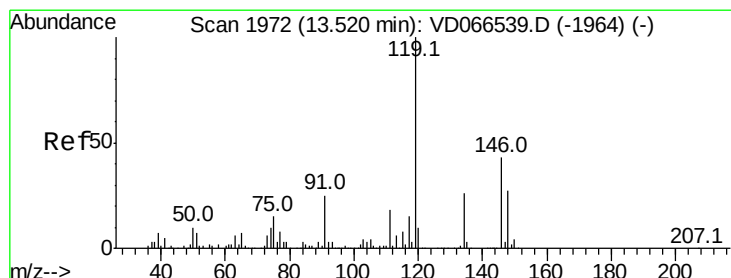
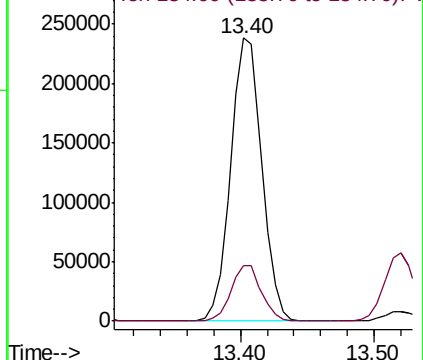
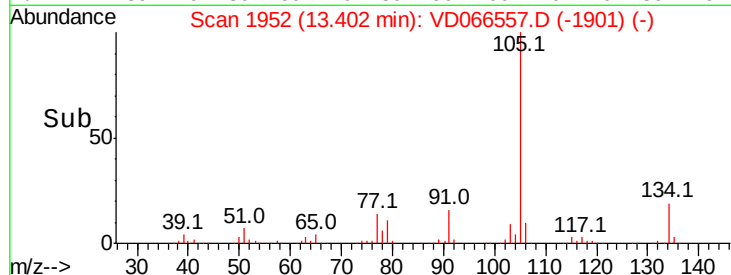
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.086 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

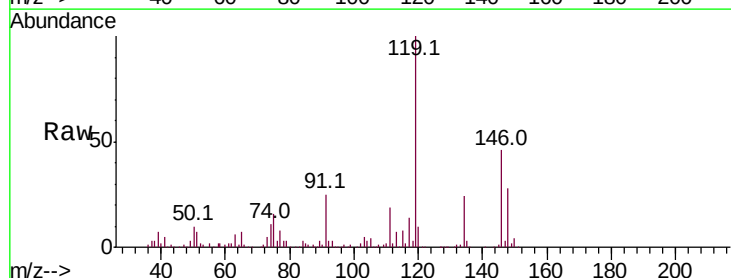
Tgt Ion:119 Resp: 357002

Ion Ratio Lower Upper

119 100

134 25.1 12.7 38.0

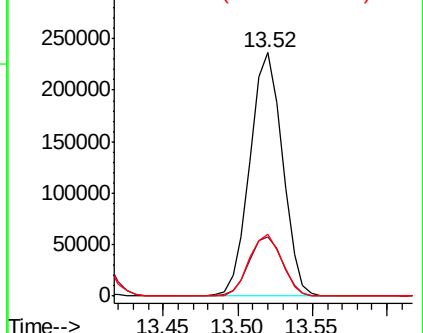
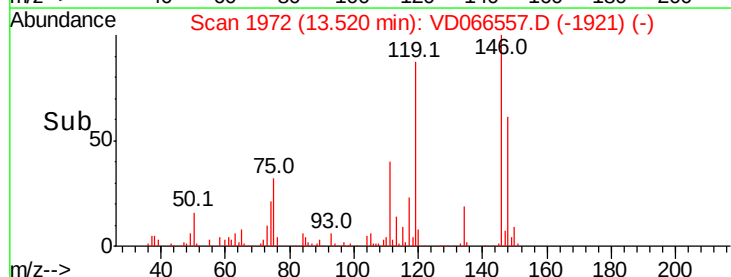
91 25.2 12.5 37.5

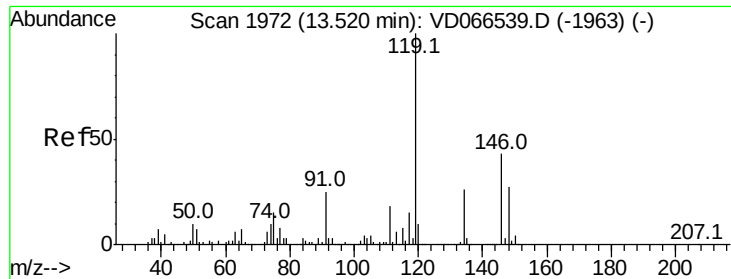


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





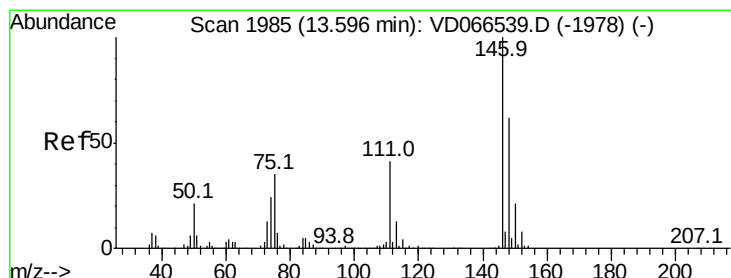
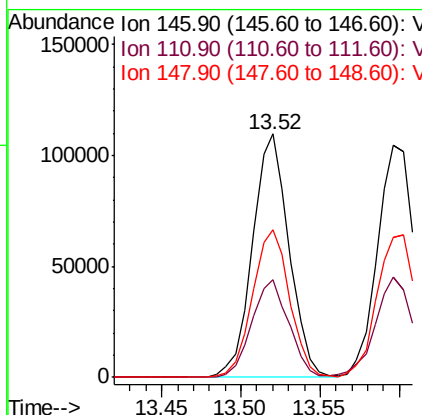
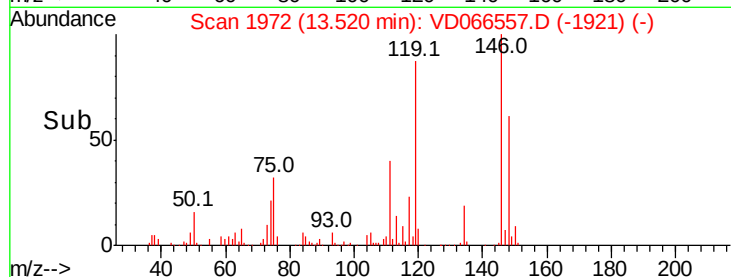
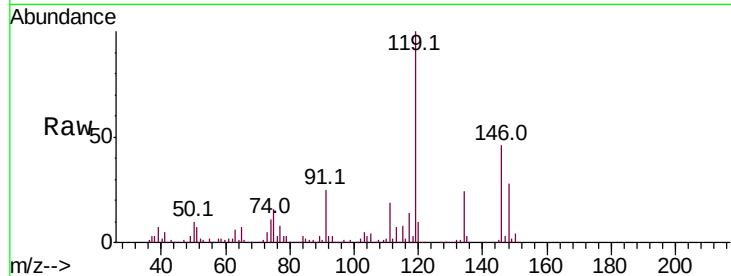
#87
 1,3-Dichlorobenzene
 Concen: 20.849 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	175298		
111	40.7	20.6	61.9	
148	61.7	32.1	96.3	

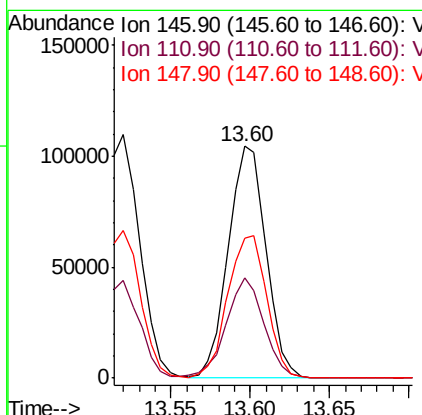
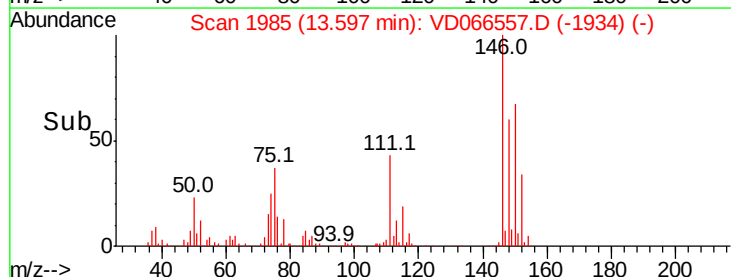
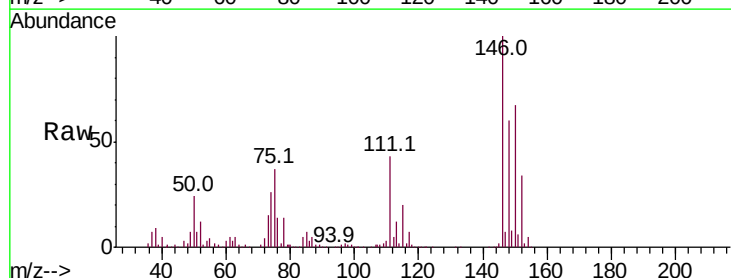
Manual Integrations
 APPROVED

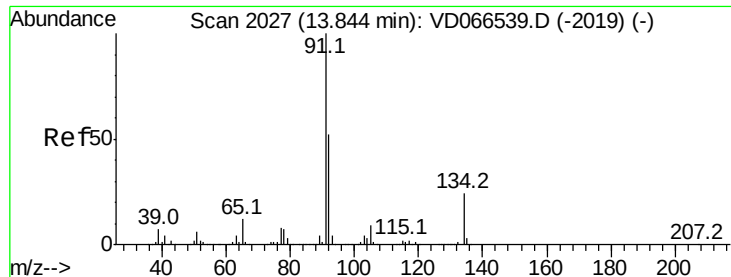
sam
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#88
 1,4-Dichlorobenzene
 Concen: 20.426 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	172375		
111	43.3	20.1	60.2	
148	63.7	31.6	94.8	





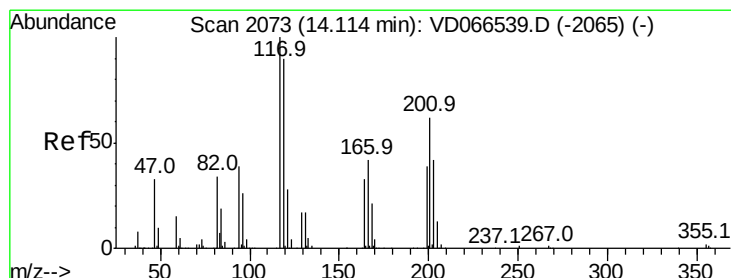
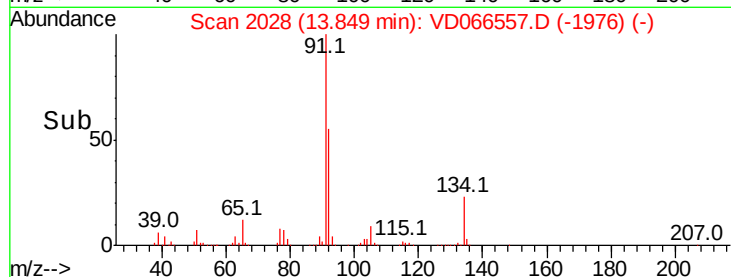
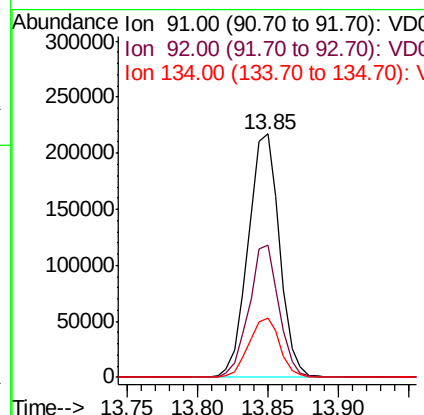
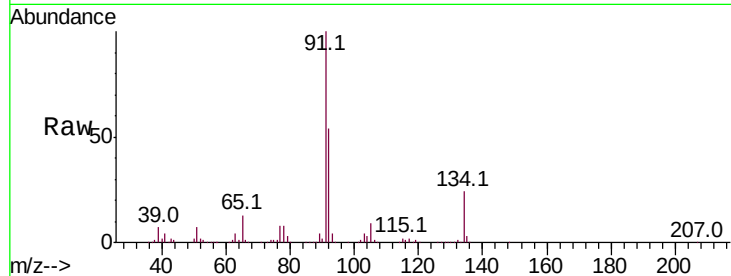
#89
n-Butylbenzene
Concen: 20.503 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0904SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.8	26.5	79.5	
134	24.2	12.1	36.3	

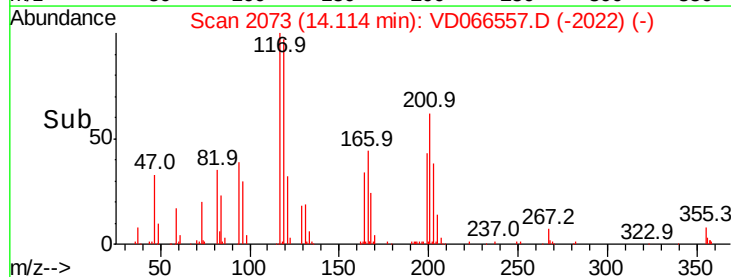
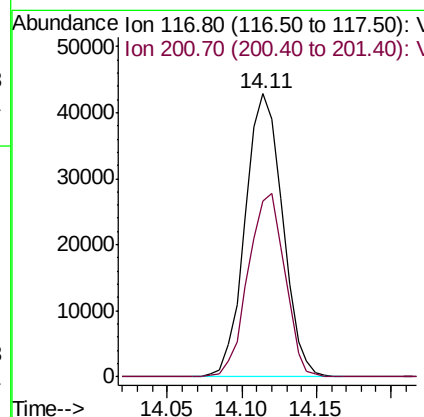
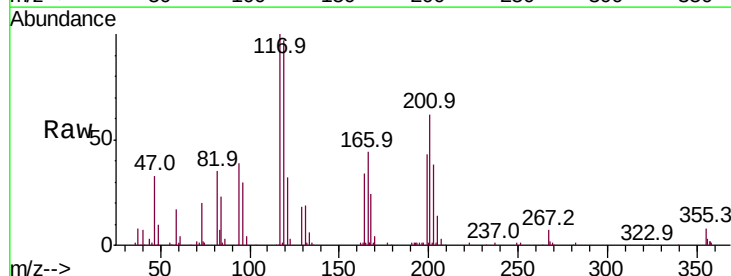
Manual Integrations
APPROVED

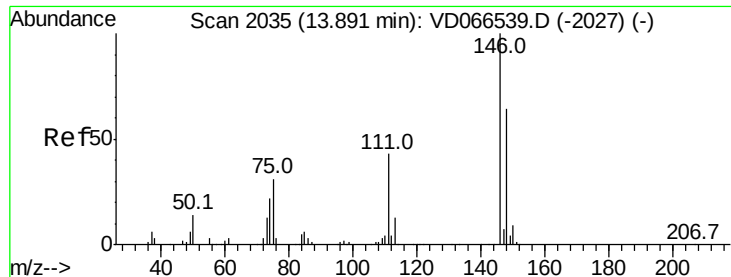
sam
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#90
Hexachloroethane
Concen: 20.355 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066557.D
Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	63.4	31.9	95.5	





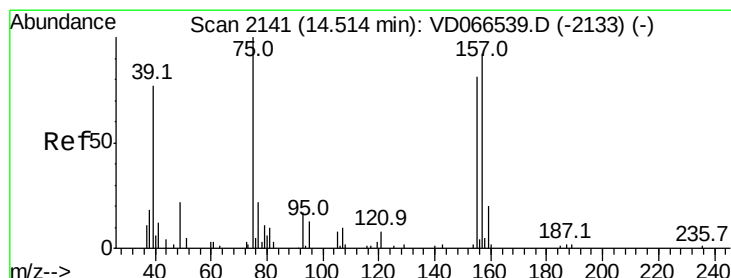
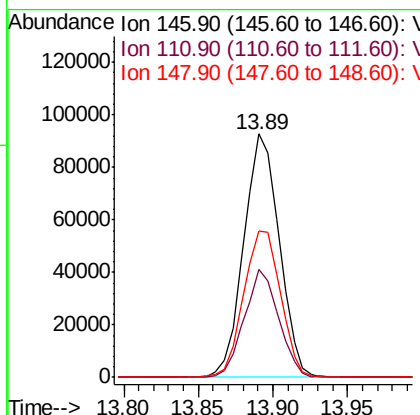
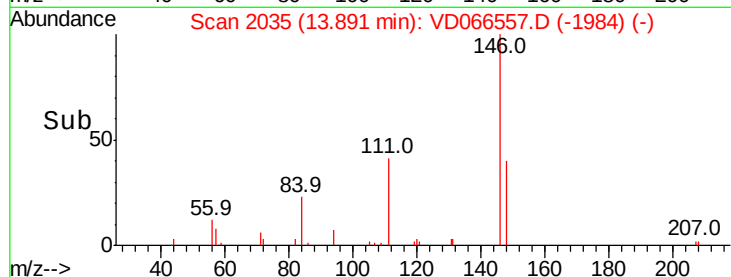
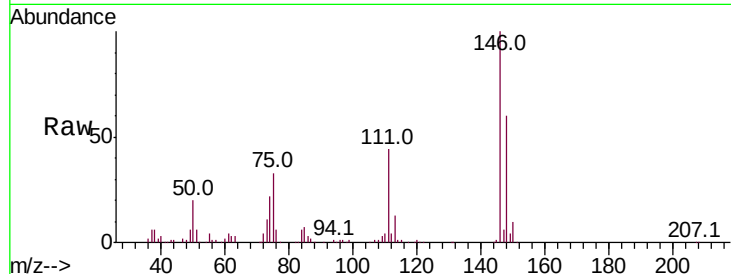
#91
 1,2-Dichlorobenzene
 Concen: 20.677 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	151956		
111	43.1	21.1	63.4	
148	63.0	31.8	95.3	

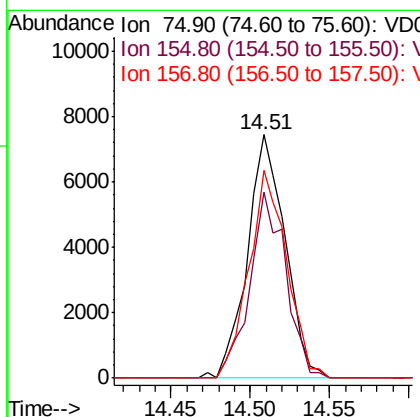
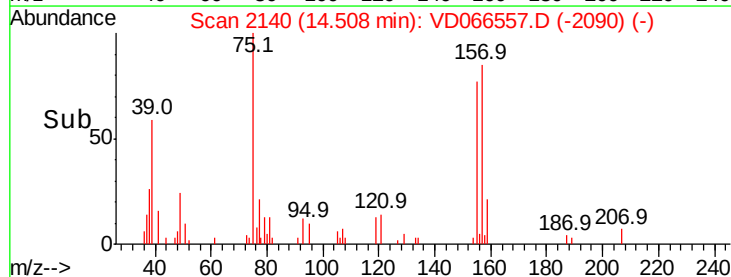
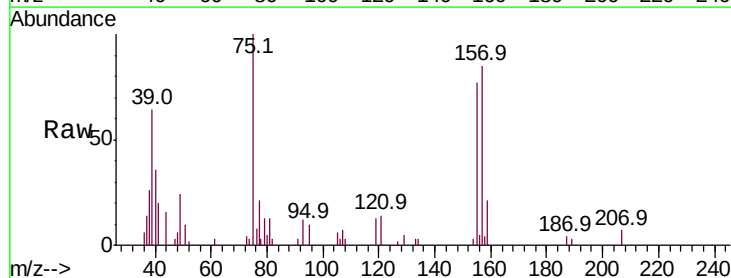
Manual Integrations
 APPROVED

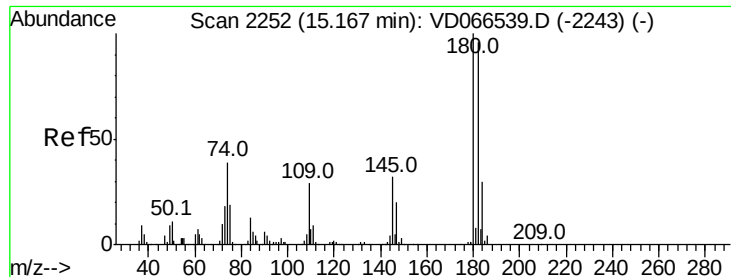
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.546 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	12283		
155	72.9	39.3	117.8	
157	85.9	46.0	137.8	





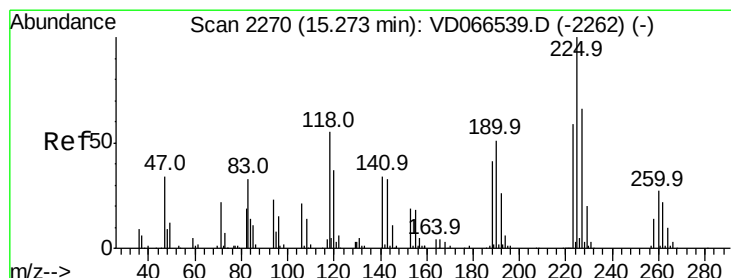
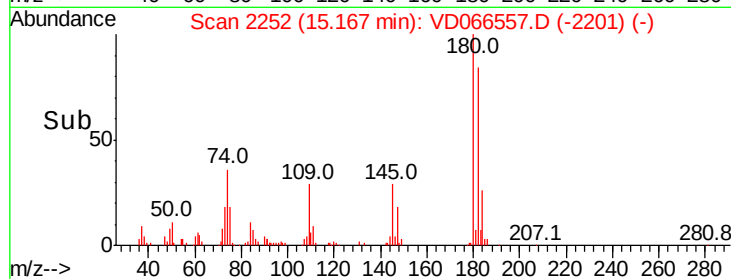
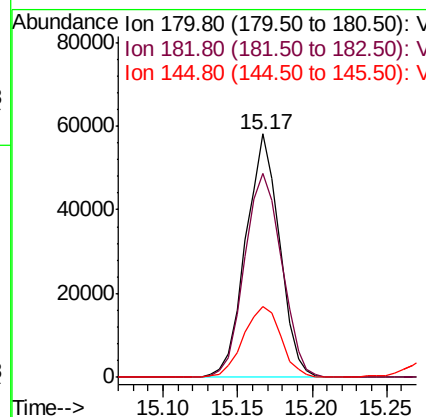
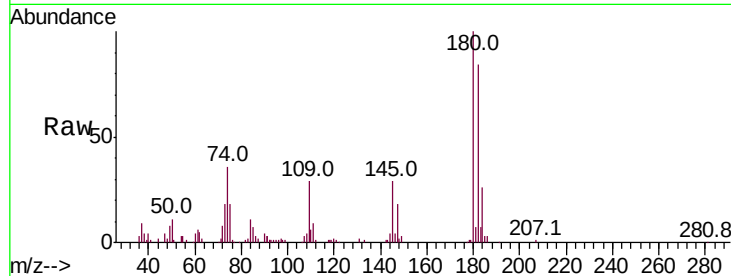
#93
 1,2,4-Trichlorobenzene
 Concen: 20.598 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0904SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.7	48.4	145.0	
145	32.6	16.7	50.0	

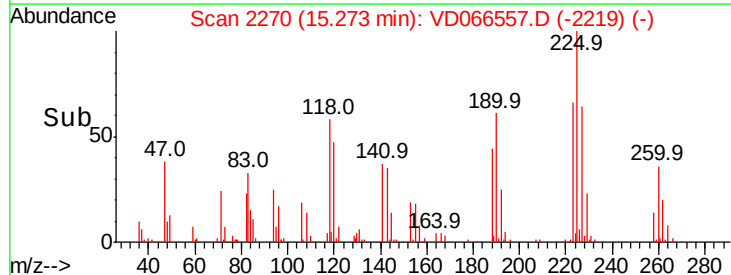
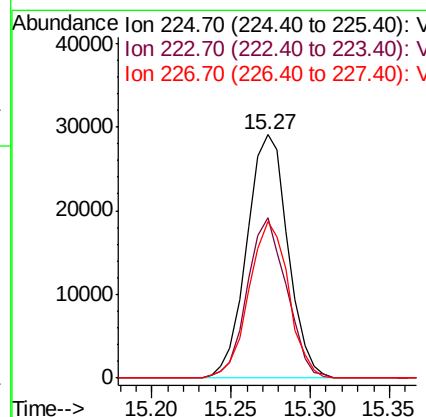
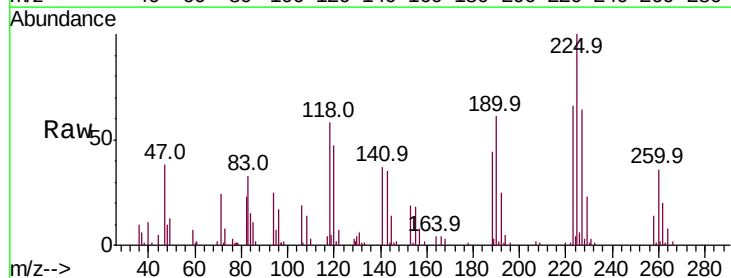
Manual Integrations
 APPROVED

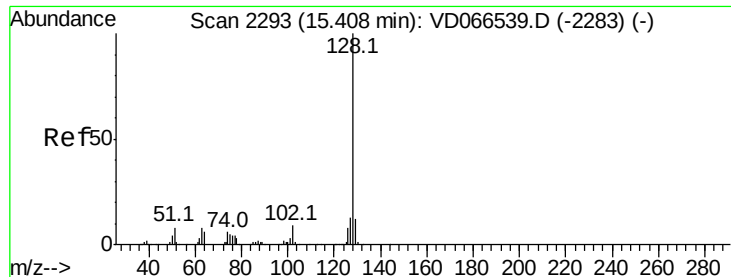
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 9/8/2020 5:42:50 PM



#94
 Hexachlorobutadiene
 Concen: 19.766 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066557.D
 Acq: 04 Sep 2020 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	30.5	91.5	
227	62.2	32.4	97.2	





#95

Naphthalene

Concen: 20.080 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Instrument :

MSVOA_D

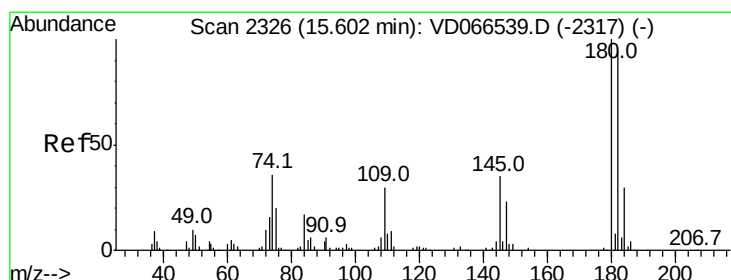
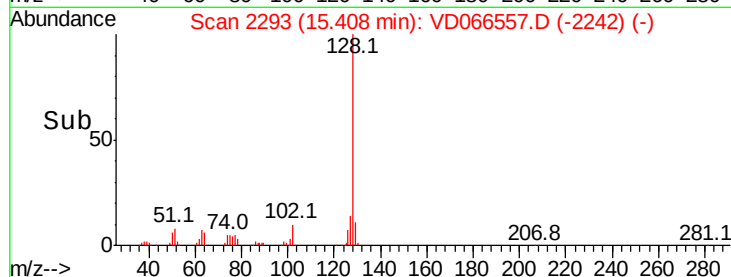
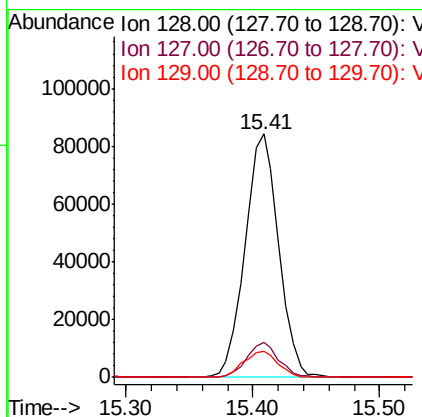
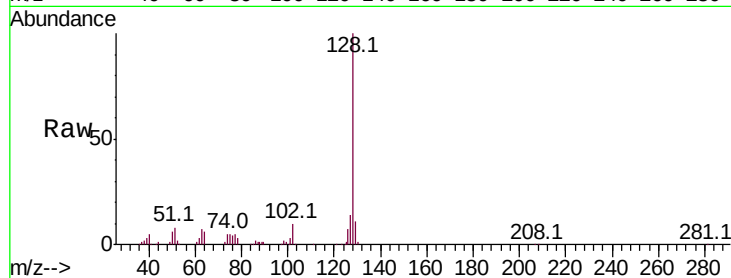
ClientSampleId :

VD0904SBS01

Tot Ion:	128	Resp:	154754
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.7	16.1
129	11.1	9.1	13.7

Manual Integrations
APPROVED

sam
9/8/2020 5:42:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.895 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066557.D

Acq: 04 Sep 2020 12:32

Tgt Ion:	180	Resp:	78568
Ion Ratio	Lower	Upper	
180	100		
182	97.4	47.9	143.6
145	35.4	17.3	51.7

