

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\
 Data File : VD066372.D
 Acq On : 24 Aug 2020 10:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/25/2020 3:32:51 PM

Quant Time: Aug 25 03:19:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	202928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	275419	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	254707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	133020	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	108001	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
35) Dibromofluoromethane	7.91	113	91240	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	10.34	98	342993	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	
62) 4-Bromofluorobenzene	12.63	95	119444	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79178	45.895	ug/l	99
3) Chloromethane	2.20	50	56067	45.848	ug/l	97
4) Vinyl Chloride	2.35	62	61268	46.664	ug/l	98
5) Bromomethane	2.77	94	48561	49.448	ug/l	96
6) Chloroethane	2.92	64	41915	49.856	ug/l	97
7) Trichlorofluoromethane	3.27	101	180285	50.496	ug/l	99
8) Diethyl Ether	3.71	74	37995	47.497	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	84762	48.106	ug/l	99
10) Methyl Iodide	4.29	142	86463	43.025	ug/l	97
11) Tert butyl alcohol	5.22	59	29359	259.020	ug/l #	88
12) 1,1-Dichloroethene	4.07	96	77235	46.698	ug/l	86
13) Acrolein	3.91	56	17817	201.672	ug/l	92
14) Allyl chloride	4.71	41	100998	45.751	ug/l	96
15) Acrylonitrile	5.42	53	76510	238.380	ug/l	98
16) Acetone	4.14	43	107084	298.555	ug/l	91
17) Carbon Disulfide	4.41	76	233721	46.629	ug/l	99
18) Methyl Acetate	4.71	43	31078	46.166	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	202097	50.746	ug/l	97
20) Methylene Chloride	4.96	84	86948	44.692	ug/l #	93
21) trans-1,2-Dichloroethene	5.47	96	91338	47.442	ug/l	97
22) Diisopropyl ether	6.35	45	200132	46.824	ug/l	94
23) Vinyl Acetate	6.30	43	648192	244.974	ug/l	98
24) 1,1-Dichloroethane	6.27	63	142892	47.308	ug/l	99
25) 2-Butanone	7.20	43	105091	258.092	ug/l	98
26) 2,2-Dichloropropane	7.20	77	164137	50.702	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	99698	48.328	ug/l	100
28) Bromochloromethane	7.54	49	54822	52.692	ug/l #	1
29) Tetrahydrofuran	7.56	42	54601	236.086	ug/l	97
30) Chloroform	7.71	83	172492	49.359	ug/l	96
31) Cyclohexane	7.97	56	120236	43.525	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	180629	50.503	ug/l	99
36) 1,1-Dichloropropene	8.11	75	127645	50.793	ug/l	99
37) Ethyl Acetate	7.28	43	41505	48.560	ug/l #	94
38) Carbon Tetrachloride	8.09	117	175264	53.531	ug/l	95

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Quant Time: Aug 25 03:19:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	149920	50.644	ug/l	92
40) Benzene	8.34	78	338120	51.145	ug/l	95
41) Methacrylonitrile	7.54	41	28968m	54.959	ug/l	
42) 1,2-Dichloroethane	8.42	62	125093	53.725	ug/l	99
43) Isopropyl Acetate	8.44	43	83933	48.925	ug/l	97
44) Trichloroethene	9.11	130	107965	50.259	ug/l	99
45) 1,2-Dichloropropane	9.38	63	74040	49.401	ug/l	99
46) Dibromomethane	9.47	93	49264	52.793	ug/l	100
47) Bromodichloromethane	9.66	83	134451	52.393	ug/l	99
48) Methyl methacrylate	9.45	41	45495	51.427	ug/l	95
49) 1,4-Dioxane	9.46	88	11355	1047.960	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	213714	257.515	ug/l	100
52) Toluene	10.40	92	230120	51.378	ug/l	95
53) t-1,3-Dichloropropene	10.61	75	125452	51.520	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	139444	51.018	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	63476	50.247	ug/l	96
56) Ethyl methacrylate	10.66	69	74983	51.274	ug/l	92
57) 1,3-Dichloropropane	10.94	76	106688	51.057	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	160988	265.058	ug/l	97
59) 2-Hexanone	10.98	43	164484	280.982	ug/l	98
60) Dibromochloromethane	11.14	129	100744	52.907	ug/l	96
61) 1,2-Dibromoethane	11.24	107	63179	50.820	ug/l	99
64) Tetrachloroethene	10.87	164	98658	51.060	ug/l	96
65) Chlorobenzene	11.67	112	256229	50.564	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	108023	52.163	ug/l	98
67) Ethyl Benzene	11.74	91	456878	51.220	ug/l	96
68) m/p-Xylenes	11.85	106	350552	103.107	ug/l	96
69) o-Xylene	12.18	106	161165	50.955	ug/l	99
70) Styrene	12.19	104	274155	50.481	ug/l	96
71) Bromoform	12.36	173	60777	51.729	ug/l #	97
73) Isopropylbenzene	12.48	105	455019	51.063	ug/l	100
74) N-amyl acetate	12.29	43	79590	49.453	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	62294	48.937	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	44359m	47.402	ug/l	
77) Bromobenzene	12.76	156	118630	52.452	ug/l	97
78) n-propylbenzene	12.82	91	519232	50.819	ug/l	98
79) 2-Chlorotoluene	12.91	91	295287	50.602	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	394798	51.314	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	21338	48.401	ug/l	89
82) 4-Chlorotoluene	13.00	91	317170	51.301	ug/l	100
83) tert-Butylbenzene	13.23	119	344000	51.476	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	401351	53.110	ug/l	100
85) sec-Butylbenzene	13.40	105	443920	50.700	ug/l	100
86) p-Isopropyltoluene	13.52	119	443130	52.487	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	213875	50.659	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	215281	50.785	ug/l	99
89) n-Butylbenzene	13.84	91	387924	52.069	ug/l	98
90) Hexachloroethane	14.11	117	82052	49.199	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	192997	53.102	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13698	51.307	ug/l	90

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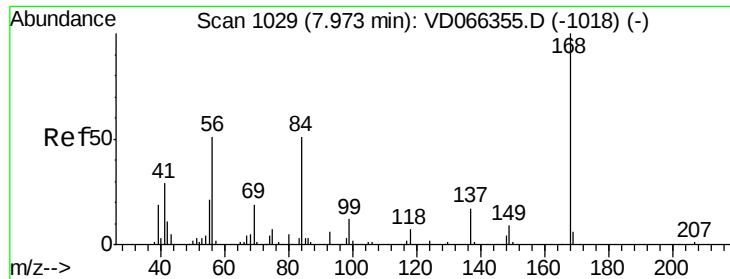
Manual Integrations
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8/25/2020 3:32:51 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	148380	52.295	ug/l	99
94) Hexachlorobutadiene	15.27	225	91378	51.824	ug/l	98
95) Naphthalene	15.40	128	239133	53.660	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	132363	54.457	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. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion:168 Resp: 202928

Ion Ratio Lower Upper

168 100

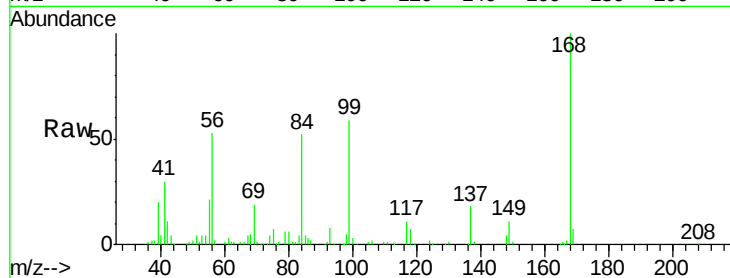
99 58.3 45.4 68.0

Manual Integrations

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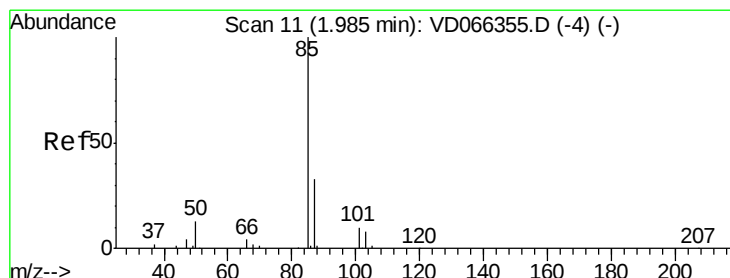
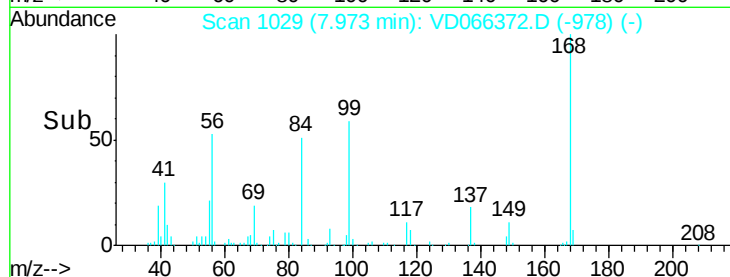
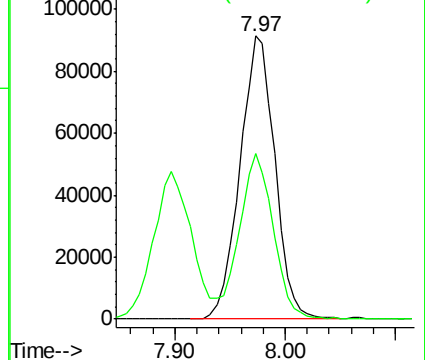
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 45.895 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066372.D

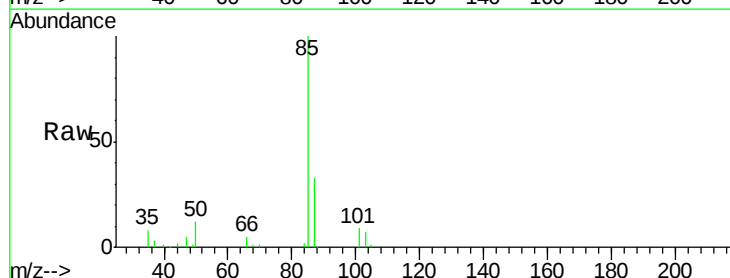
Acq: 24 Aug 2020 10:31

Tgt Ion: 85 Resp: 79178

Ion Ratio Lower Upper

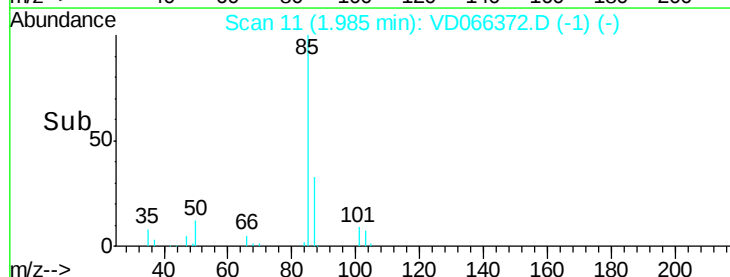
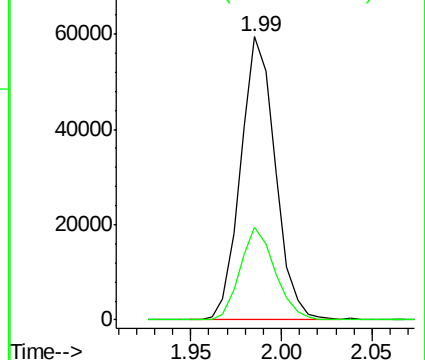
85 100

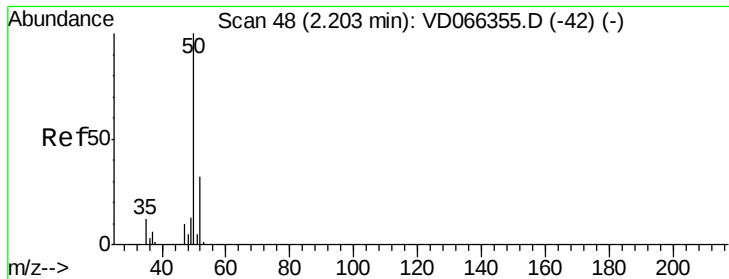
87 32.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.848 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 56067

Ion Ratio Lower Upper

50 100

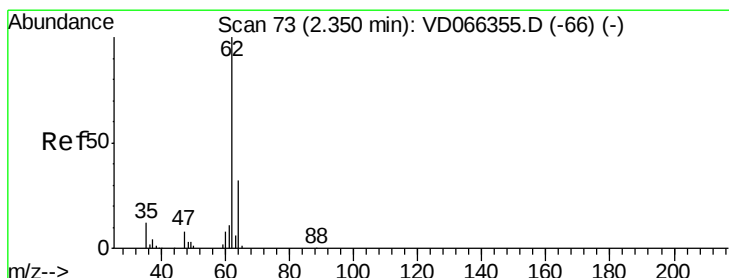
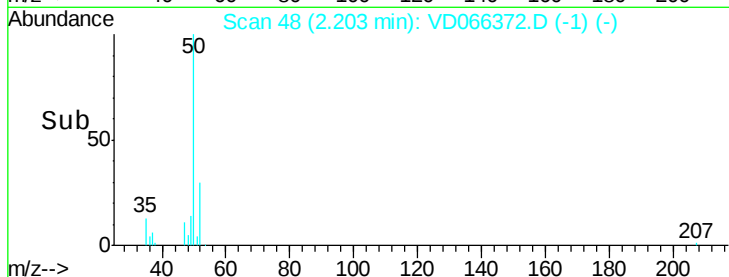
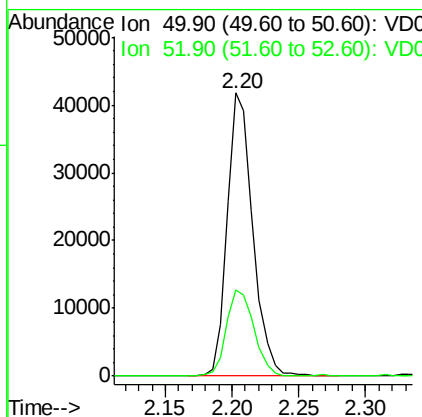
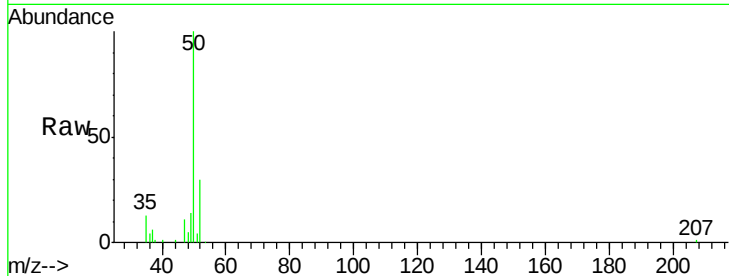
52 30.3 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.664 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066372.D

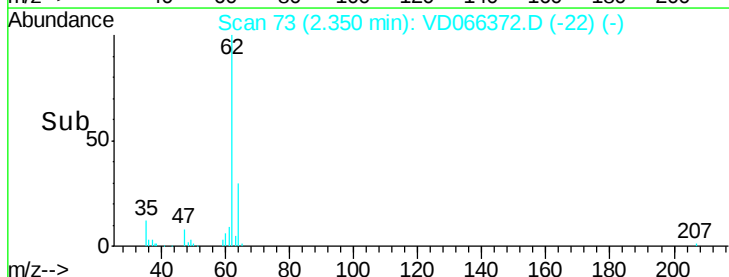
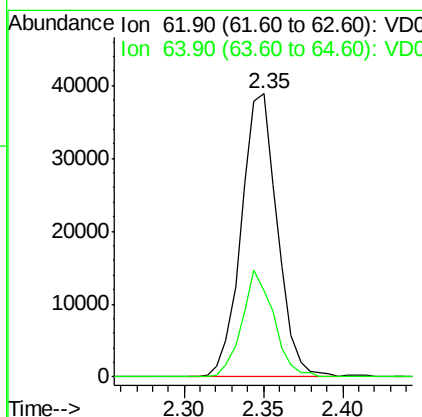
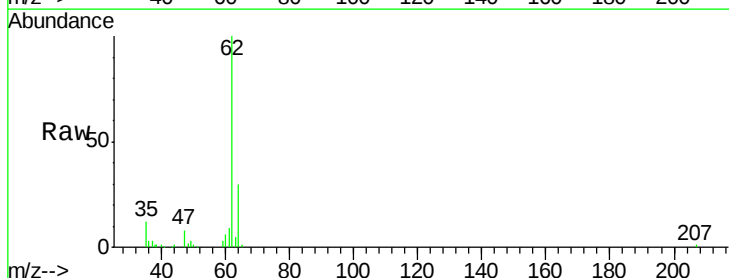
Acq: 24 Aug 2020 10:31

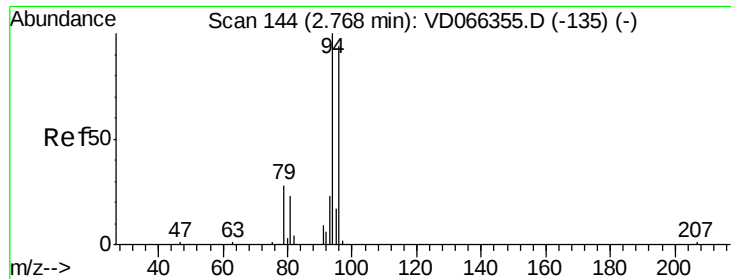
Tgt Ion: 62 Resp: 61268

Ion Ratio Lower Upper

62 100

64 30.5 25.4 38.2





#5

Bromomethane

Concen: 49.448 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 48561

Ion Ratio Lower Upper

94 100

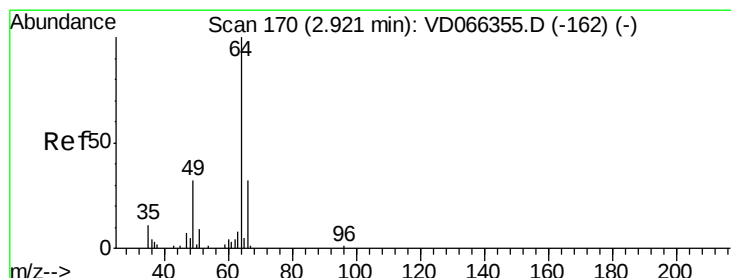
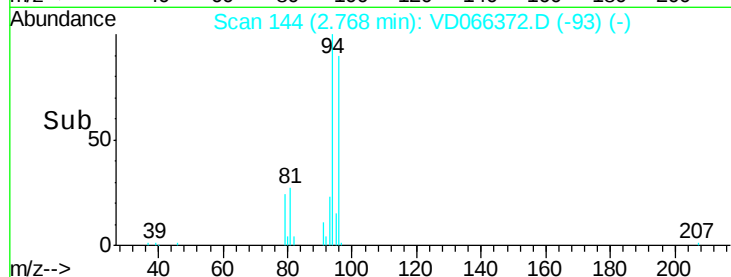
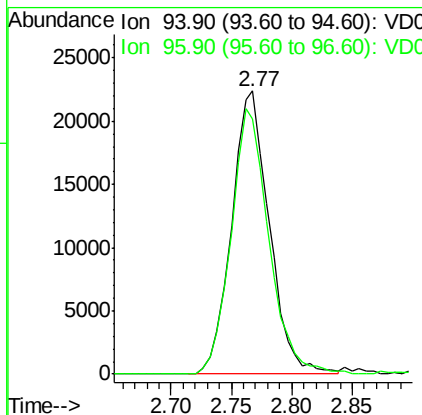
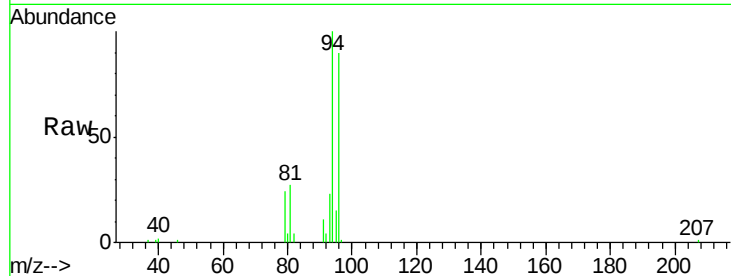
96 90.0 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 49.856 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066372.D

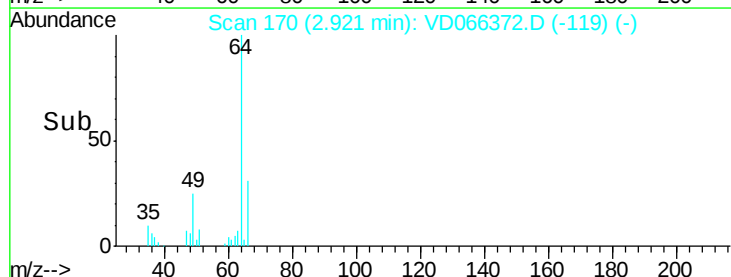
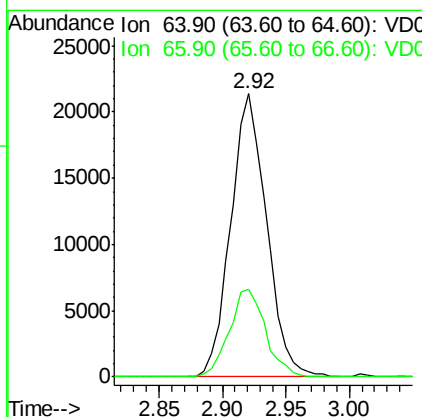
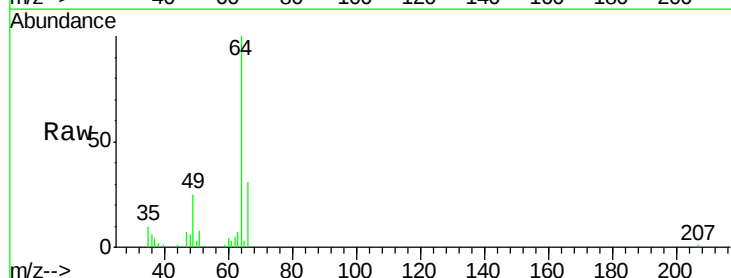
Acq: 24 Aug 2020 10:31

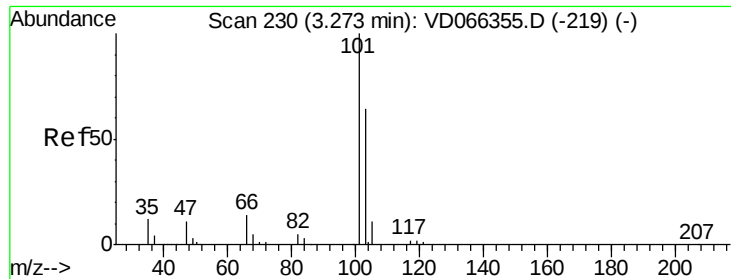
Tgt Ion: 64 Resp: 41915

Ion Ratio Lower Upper

64 100

66 30.7 25.9 38.9





#7

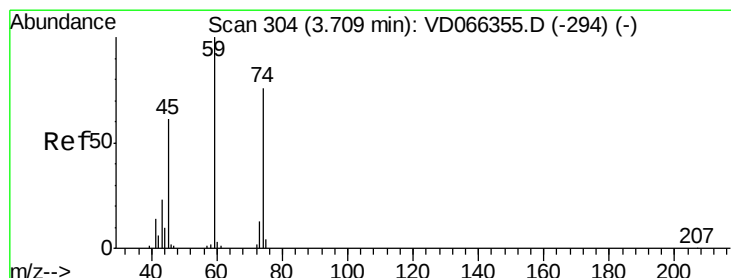
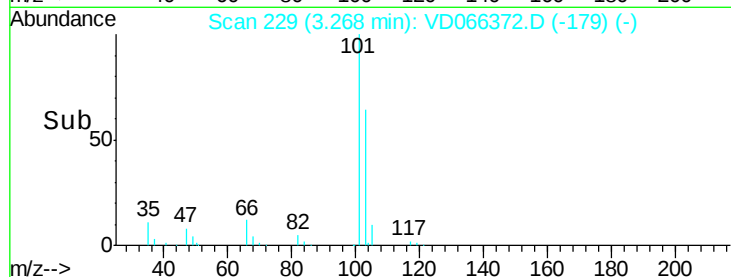
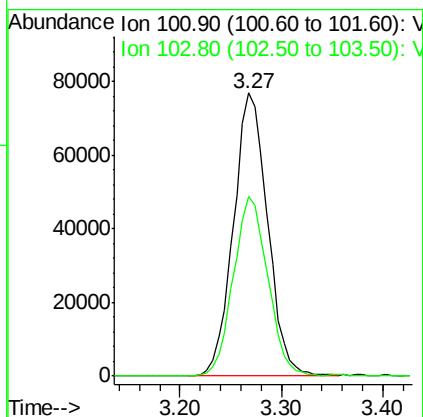
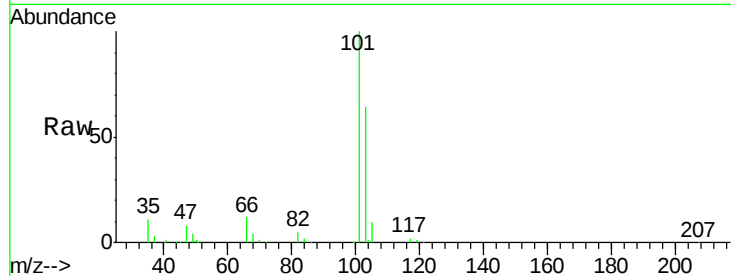
Trichlorofluoromethane
 Concen: 50.496 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

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 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	180285		
103	63.6	51.4	77.0	

Manual Integrations
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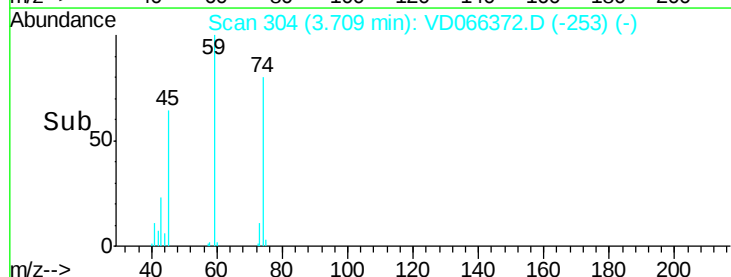
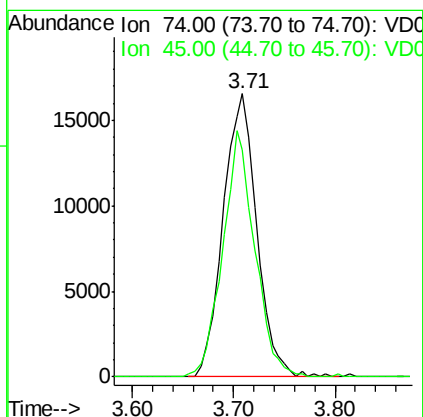
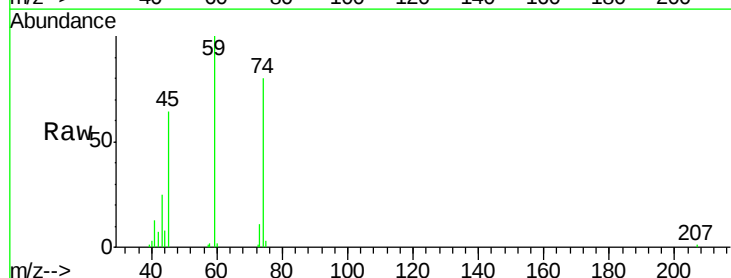
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 8/25/2020 3:32:51 PM

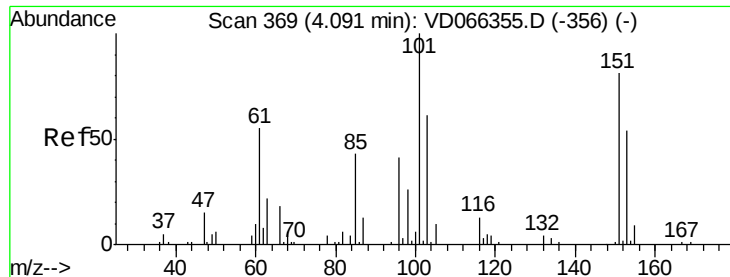


#8

Diethyl Ether
 Concen: 47.497 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	37995		
45	83.0	42.8	128.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.106 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

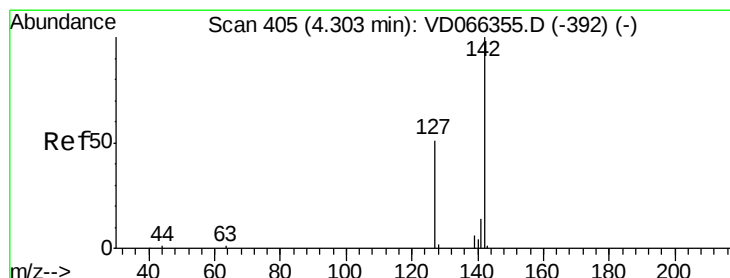
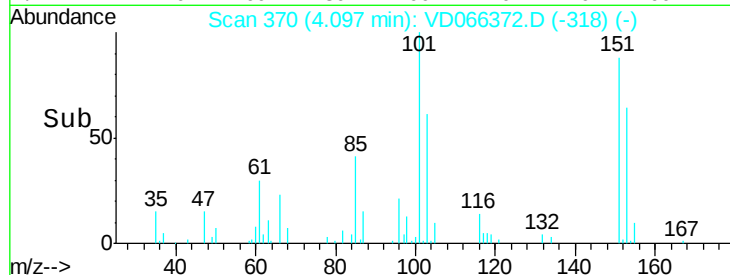
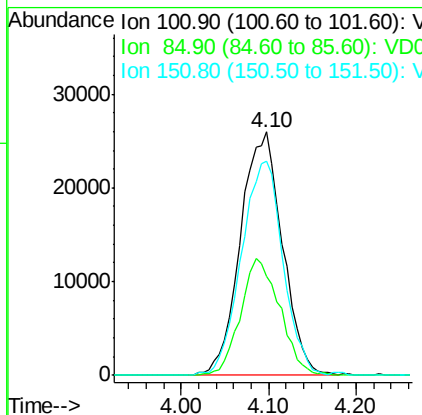
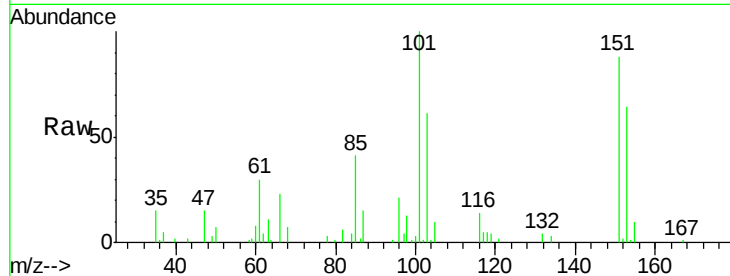
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	84762
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.4	54.6
151	87.3	70.5	105.7

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#10

Methyl Iodide

Concen: 43.025 ug/l

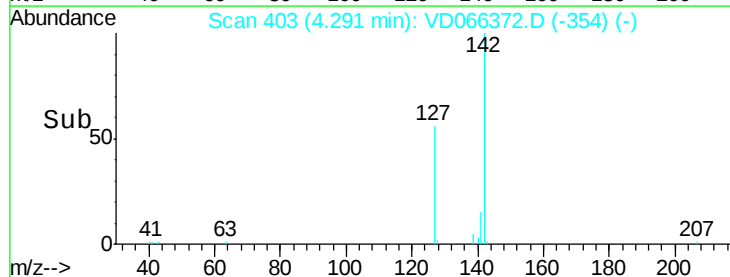
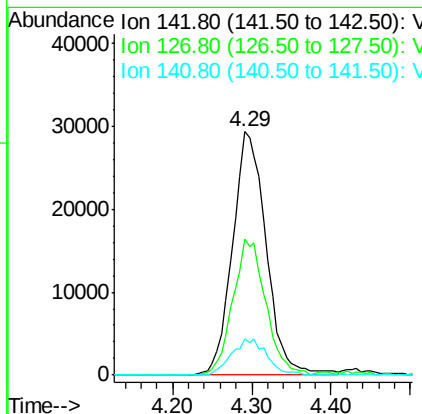
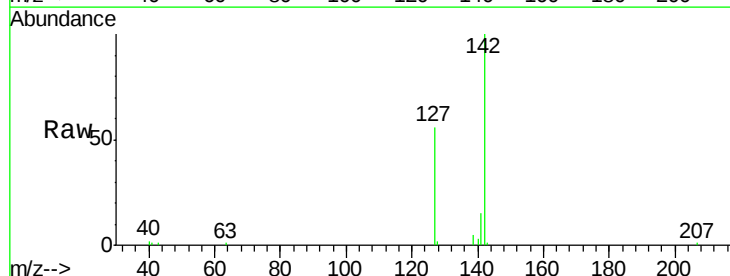
RT: 4.29 min Scan# 403

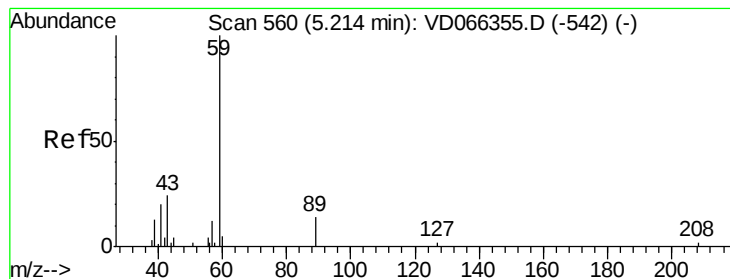
Delta R.T. -0.01 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Tgt Ion:	142	Resp:	86463
Ion Ratio	Lower	Upper	
142	100		
127	54.3	41.8	62.8
141	15.4	11.8	17.6





#11

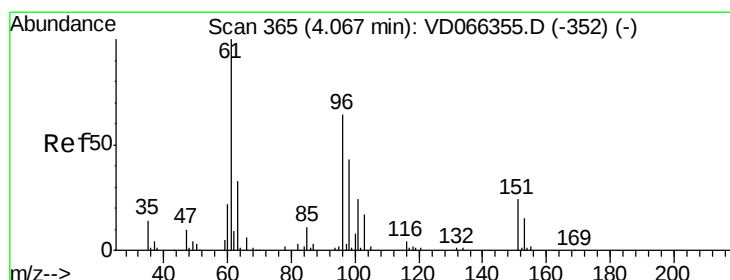
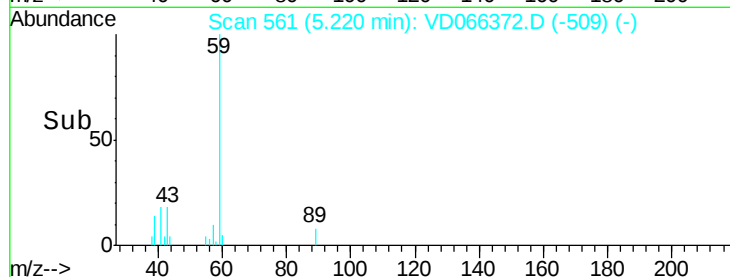
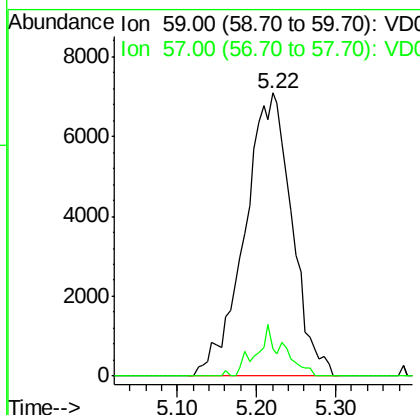
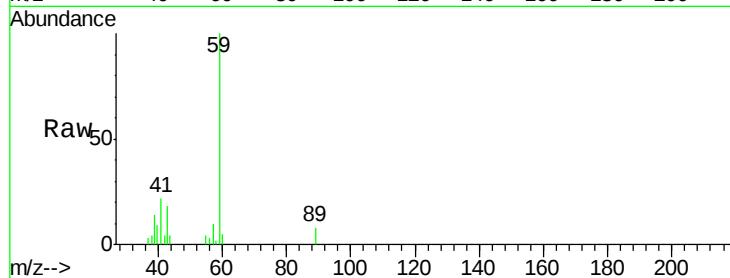
Tert butyl alcohol
Concen: 259.020 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	29359		
57	6.6	9.0	13.4	

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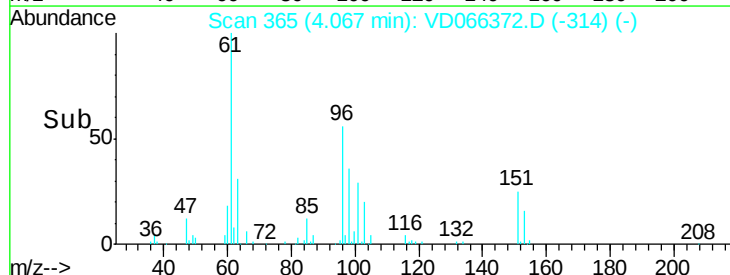
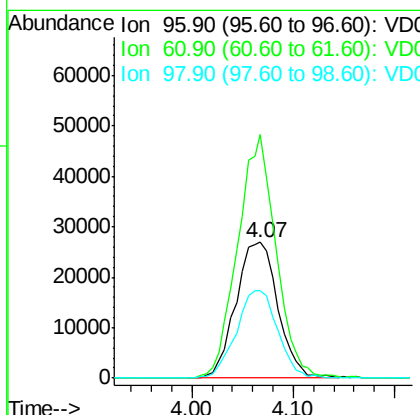
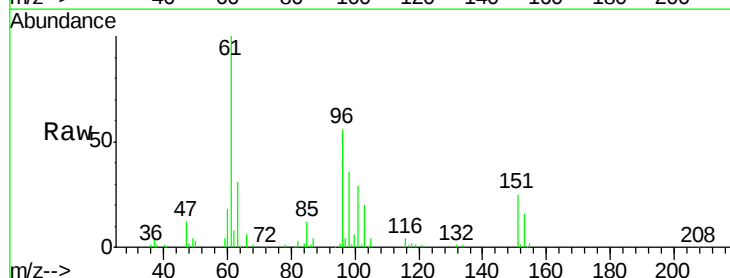
MMDadoda
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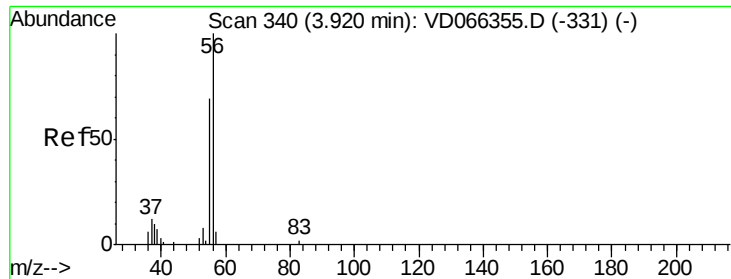


#12

1,1-Dichloroethene
Concen: 46.698 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	77235		
61	179.3	124.3	186.5	
98	64.3	53.2	79.8	





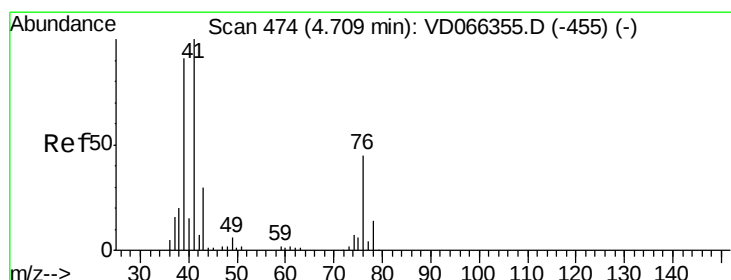
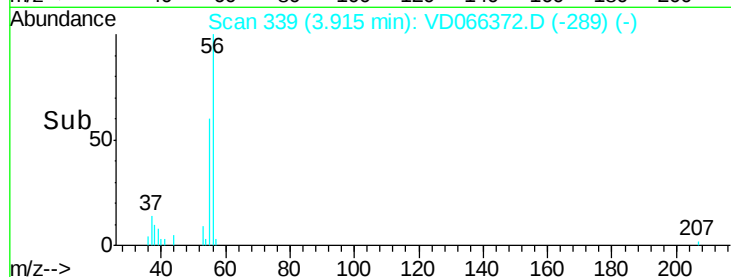
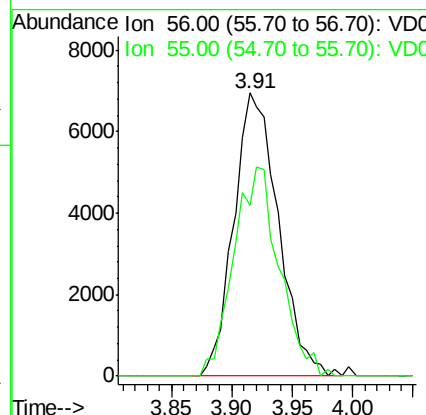
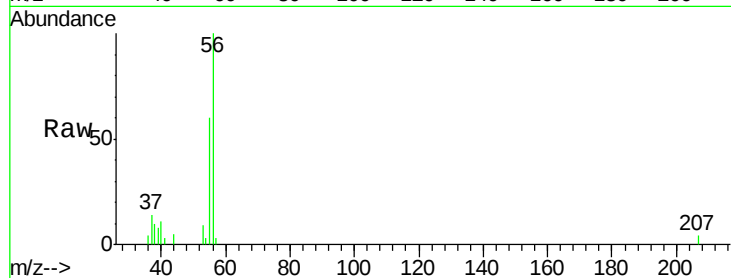
#13
Acrolein
Concen: 201.672 ug/l
RT: 3.91 min Scan# 339
Delta R.T. -0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	17817
Ion Ratio	Lower	Upper	
56	100		
55	75.6	55.5	83.3

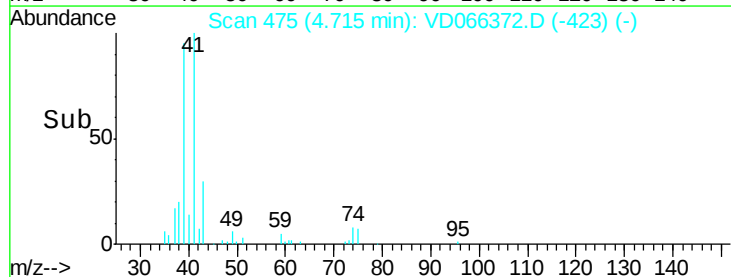
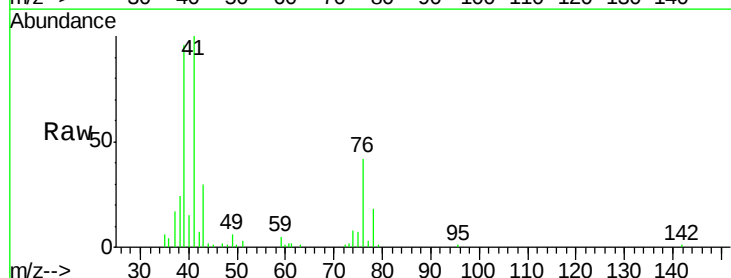
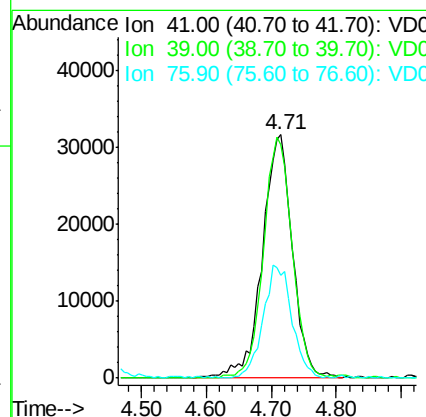
Manual Integrations
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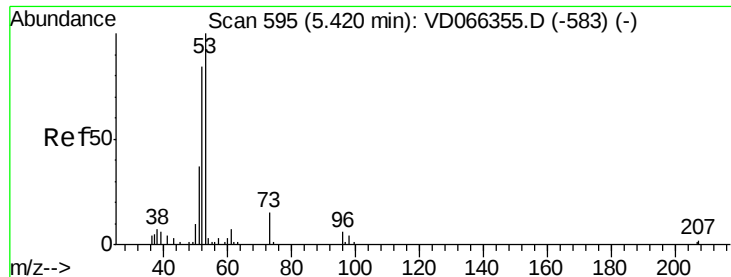
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#14
Allyl chloride
Concen: 45.751 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	41	Resp	100998
Ion Ratio	Lower	Upper	
41	100		
39	94.8	72.8	109.2
76	44.3	34.0	51.0





#15

Acrylonitrile

Concen: 238.380 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

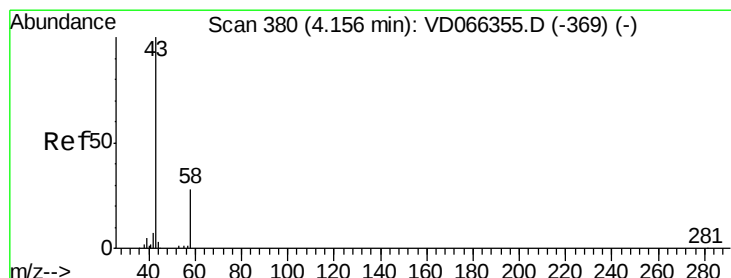
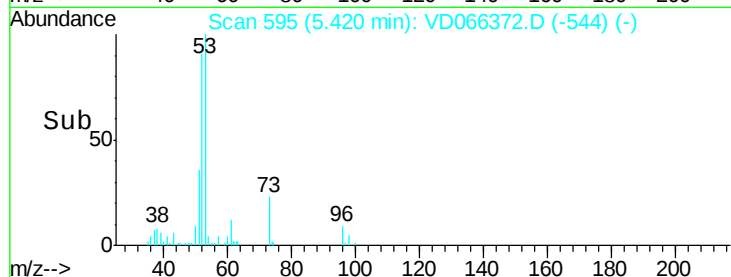
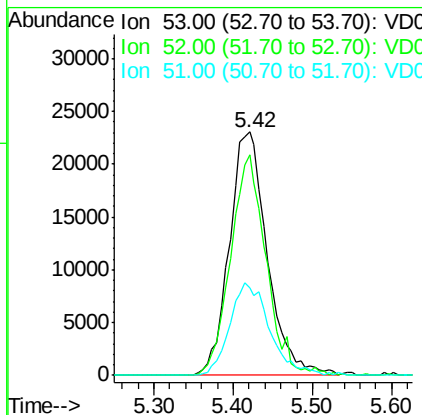
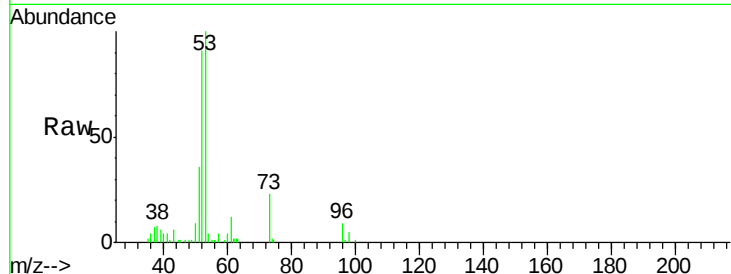
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	76510
Ion	Ratio	Lower	Upper
53	100		
52	84.2	68.1	102.1
51	39.8	33.8	50.6

Manual Integrations
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#16

Acetone

Concen: 298.555 ug/l

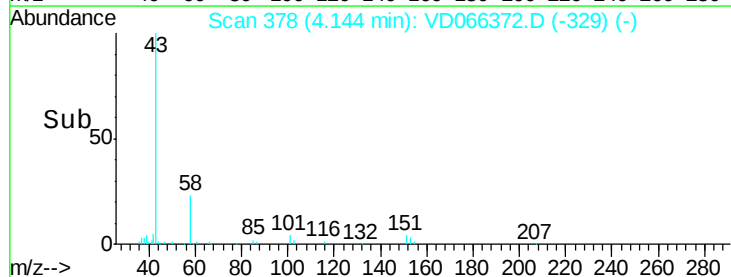
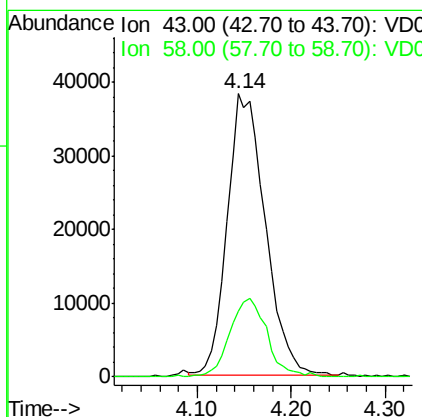
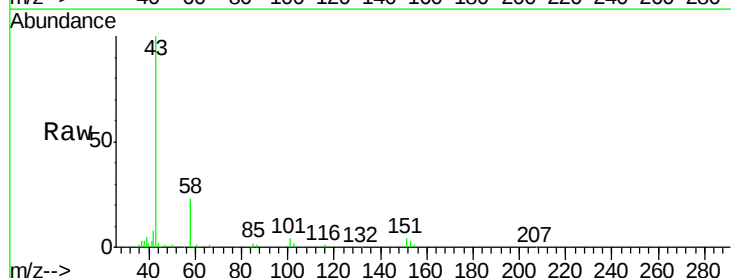
RT: 4.14 min Scan# 378

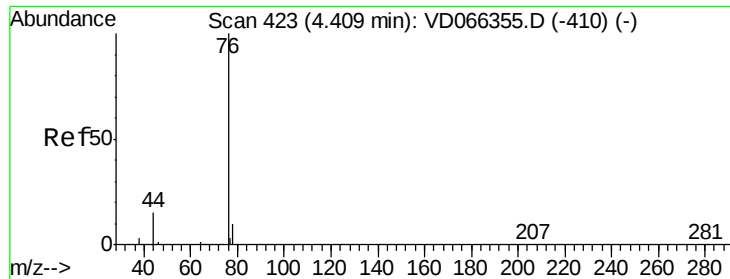
Delta R.T. -0.01 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Tgt Ion:	43	Resp:	107084
Ion	Ratio	Lower	Upper
43	100		
58	23.5	22.7	34.1





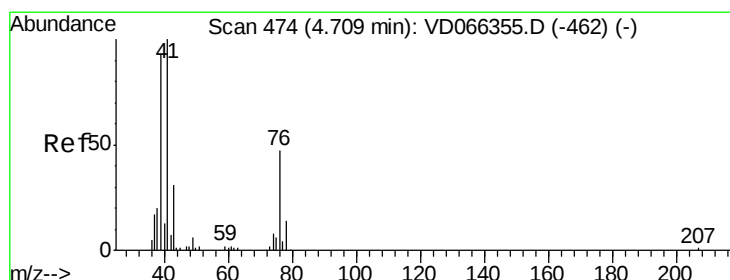
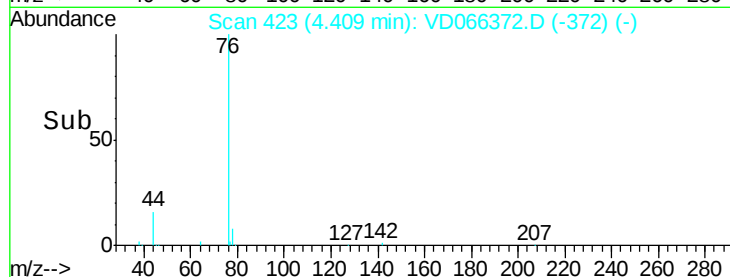
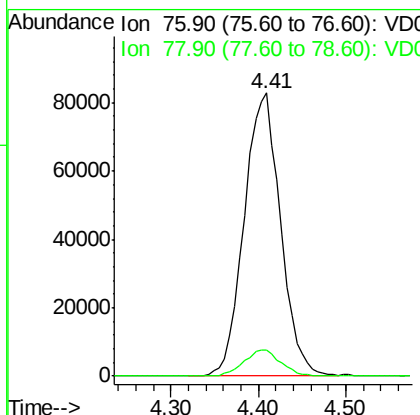
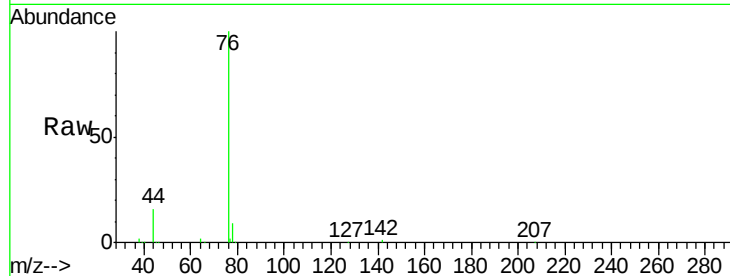
#17
Carbon Disulfide
Concen: 46.629 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.7	11.5

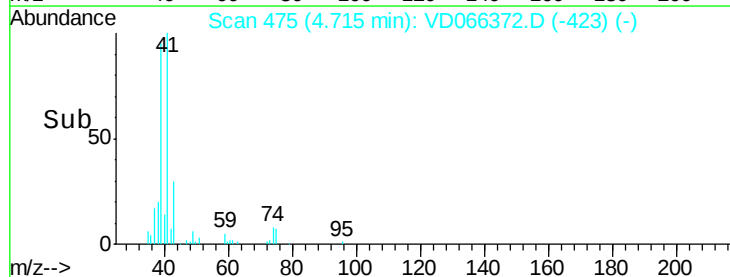
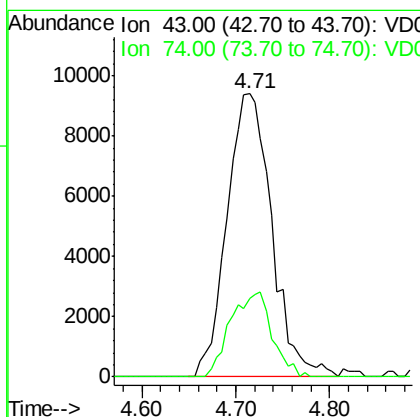
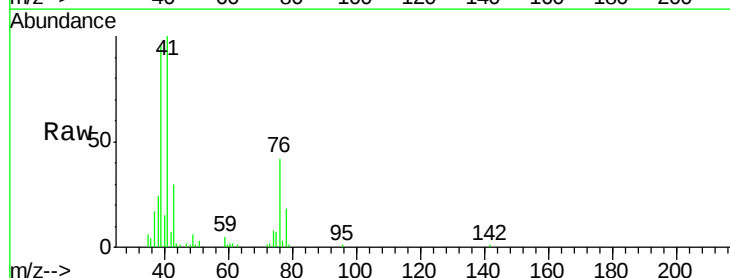
Manual Integrations
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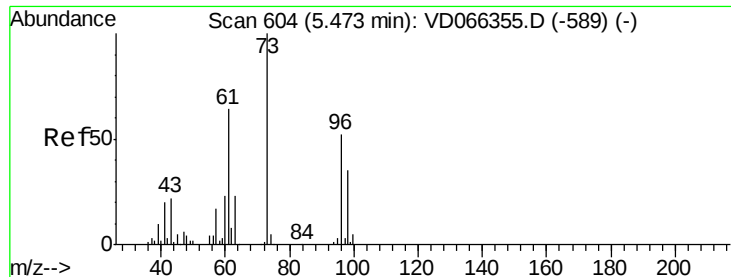
MMDadoda
8/25/2020 3:32:51 PM



#18
Methyl Acetate
Concen: 46.166 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.8	21.0	31.6





#19

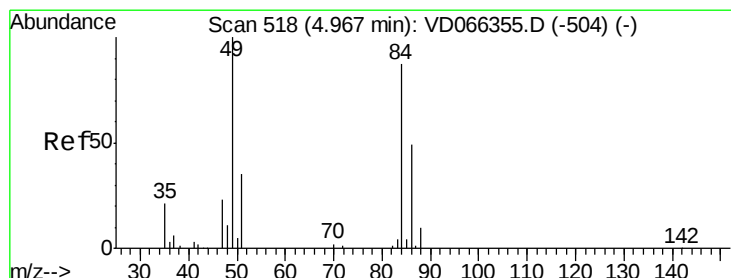
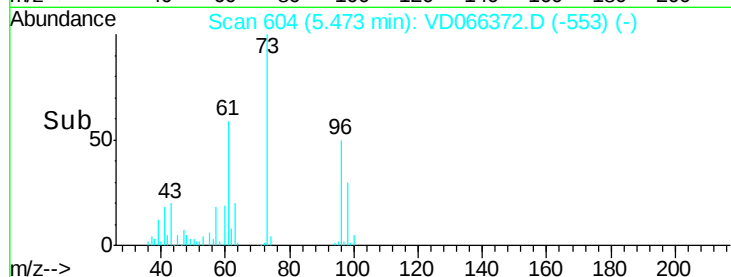
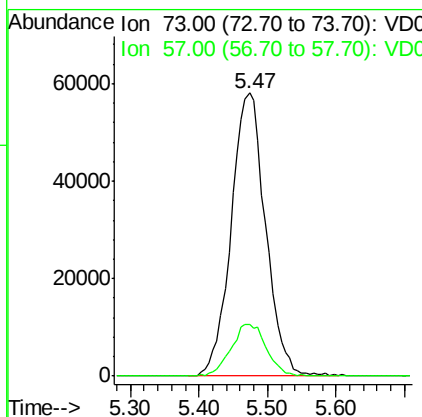
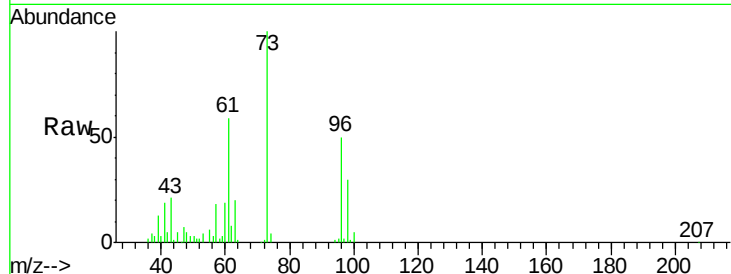
Methyl tert-butyl Ether
 Concen: 50.746 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.5	13.8	20.6

Manual Integrations
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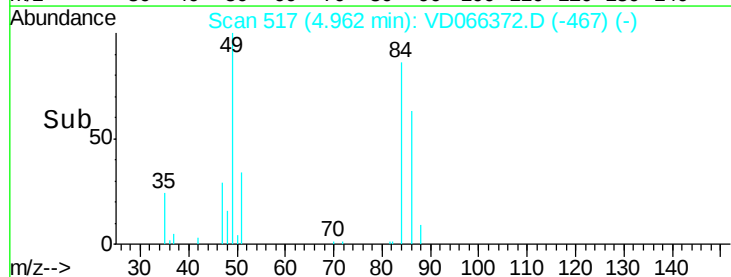
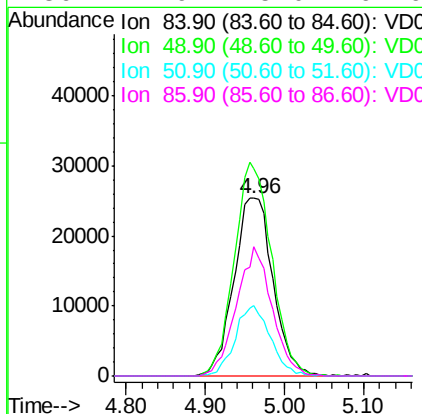
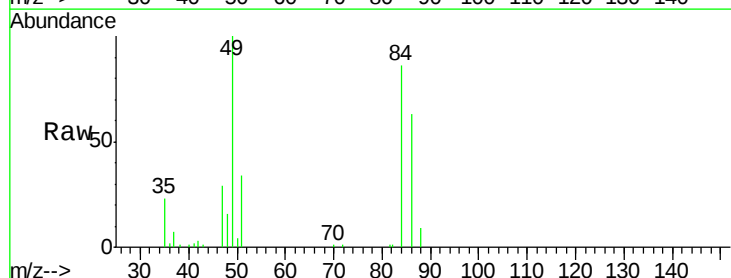
MMDadoda
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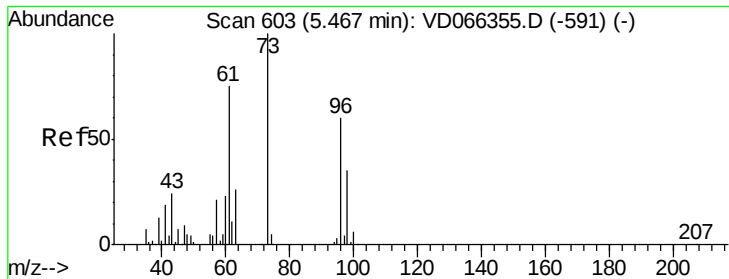


#20

Methylene Chloride
 Concen: 44.692 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.6	92.5	138.7
51	39.4	32.5	48.7
86	72.9	45.0	67.6#





#21

trans-1,2-Dichloroethene

Concen: 47.442 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

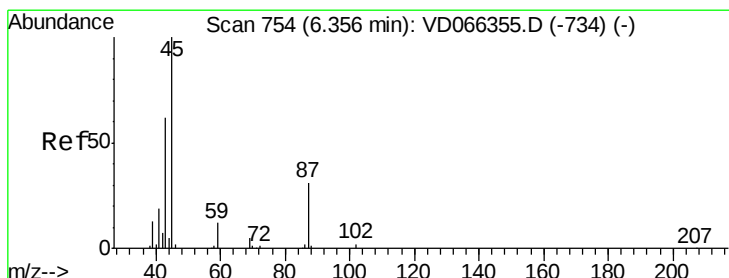
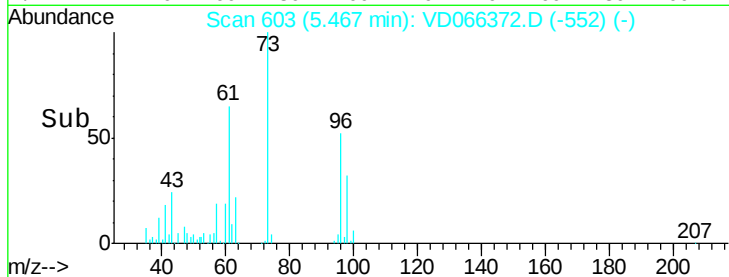
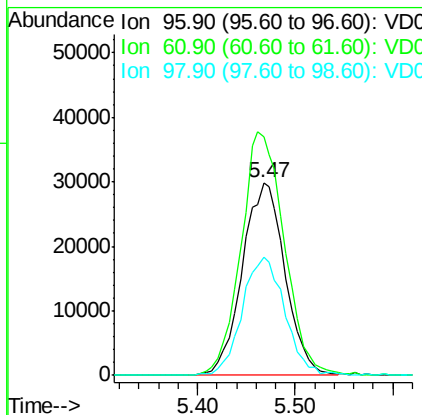
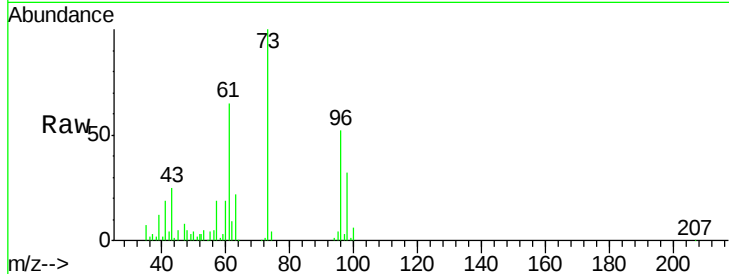
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	91338
Ion	Ratio	Lower	Upper
96	100		
61	123.7	101.1	151.7
98	61.4	47.0	70.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.824 ug/l

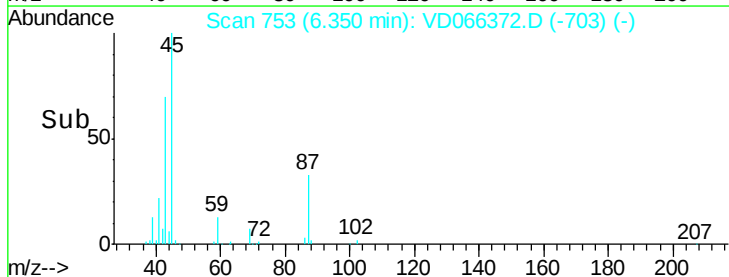
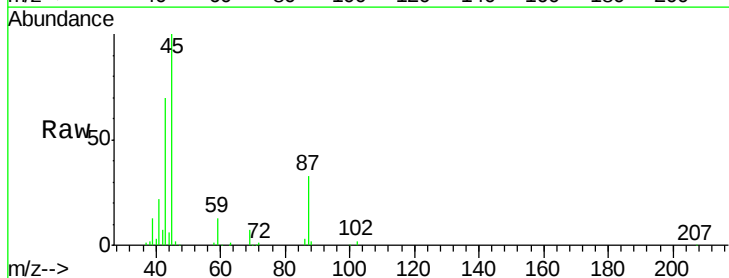
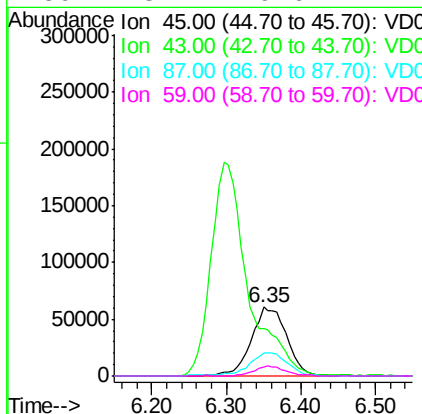
RT: 6.35 min Scan# 753

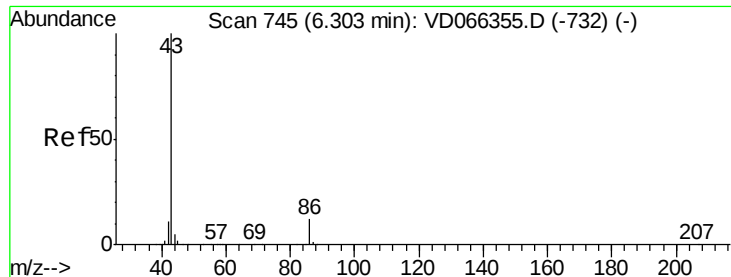
Delta R.T. -0.01 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Tgt Ion:	45	Resp:	200132
Ion	Ratio	Lower	Upper
45	100		
43	68.8	49.8	74.8
87	33.1	25.0	37.6
59	13.1	9.6	14.4





#23

Vinyl Acetate

Concen: 244.974 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 648192

Ion Ratio Lower Upper

43 100

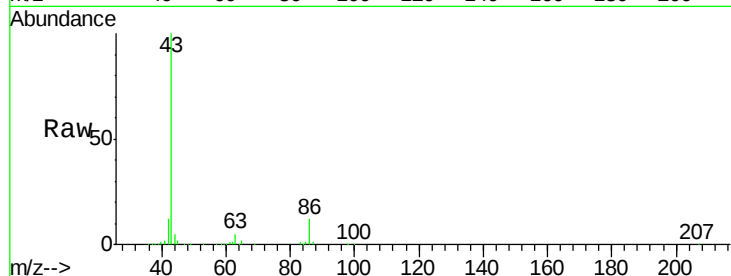
86 12.4 9.4 14.0

Manual Integrations

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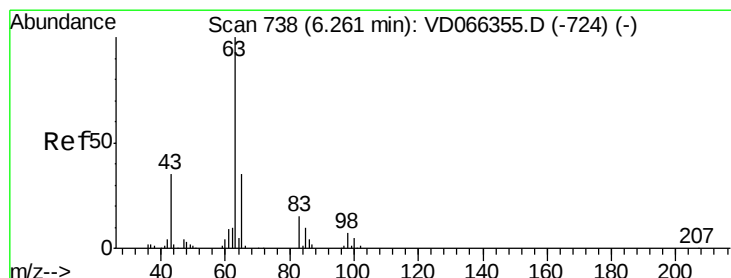
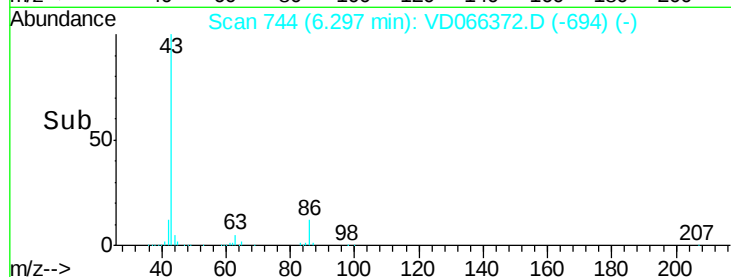
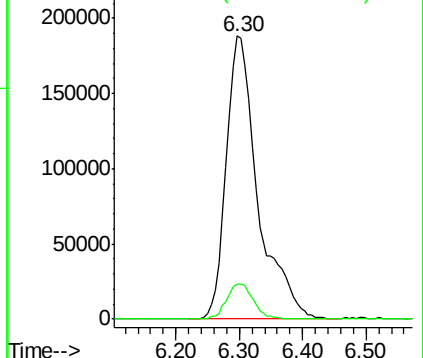
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.308 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

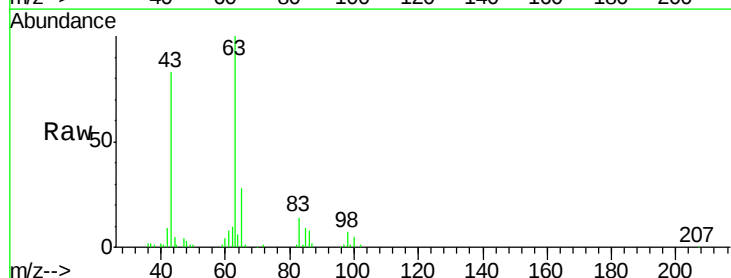
Tgt Ion: 63 Resp: 142892

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.6

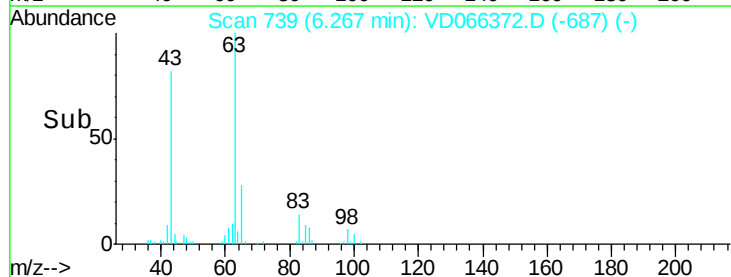
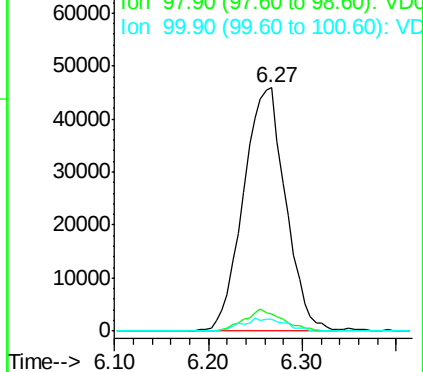
100 4.7 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 258.092 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 105091

Ion Ratio Lower Upper

43 100

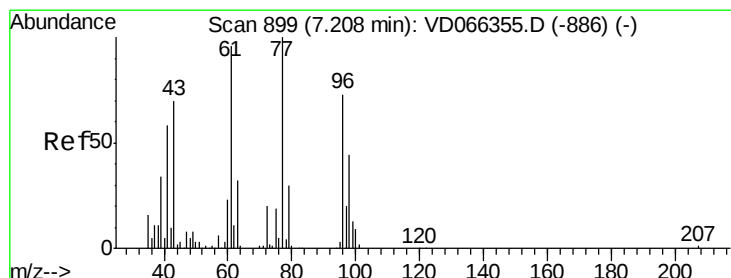
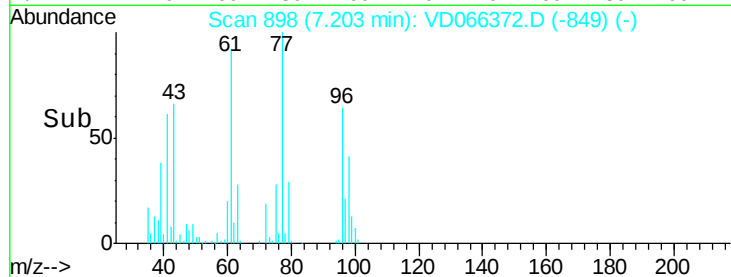
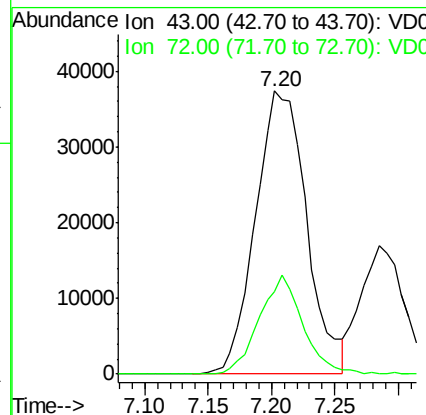
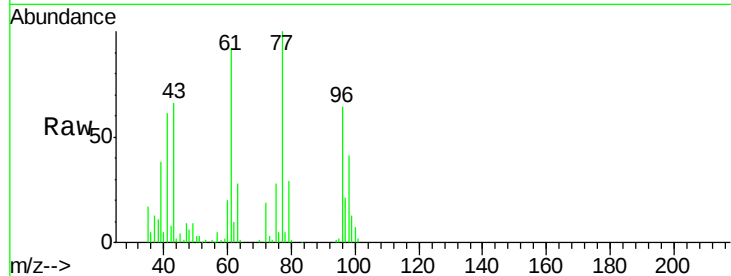
72 29.2 22.5 33.7

Manual Integrations

APPROVED

MMDadoda

8/25/2020 3:32:51 PM



#26

2,2-Dichloropropane

Concen: 50.702 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066372.D

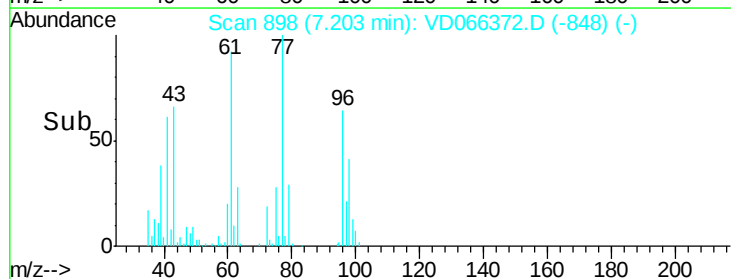
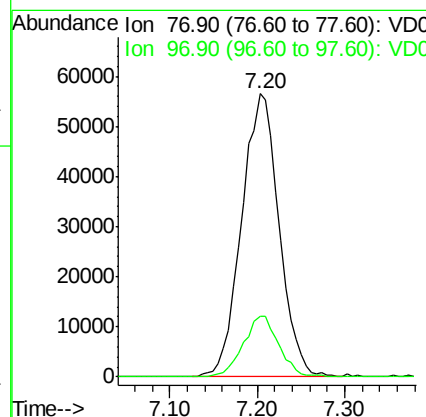
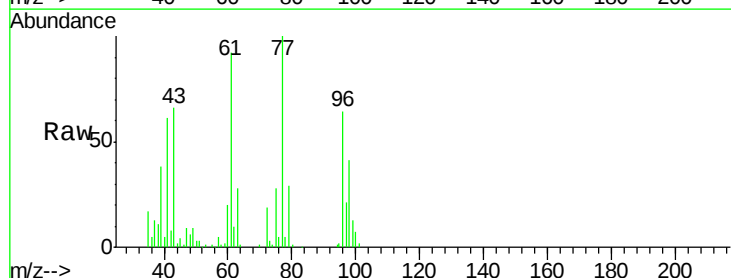
Acq: 24 Aug 2020 10:31

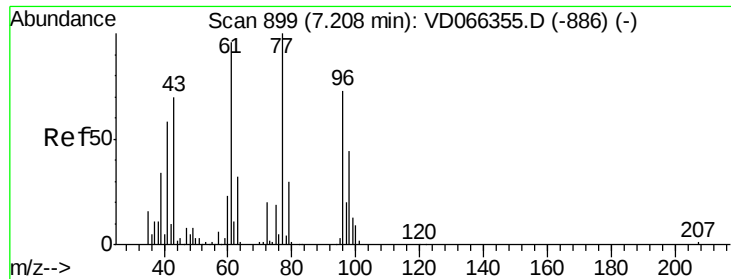
Tgt Ion: 77 Resp: 164137

Ion Ratio Lower Upper

77 100

97 20.5 10.7 31.9





#27

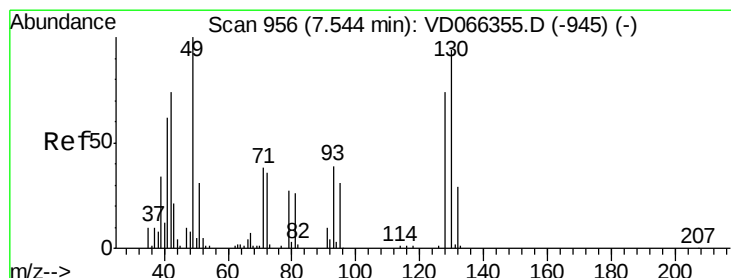
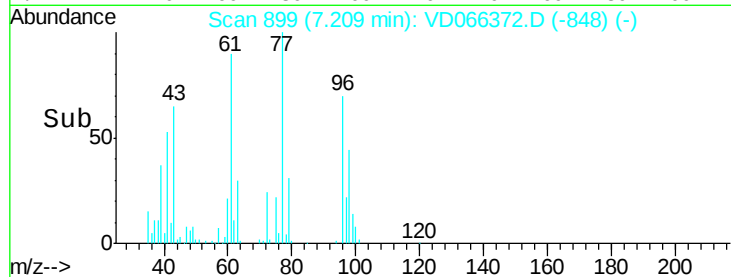
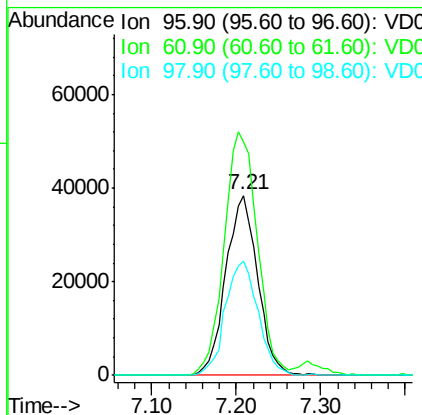
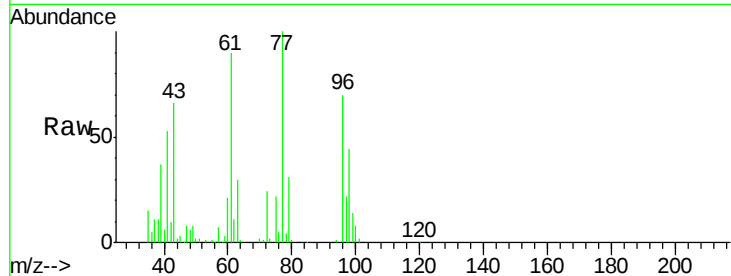
cis-1,2-Dichloroethene
 Concen: 48.328 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	140.7	0.0	281.4	
98	65.4	0.0	132.2	

Manual Integrations
 APPROVED

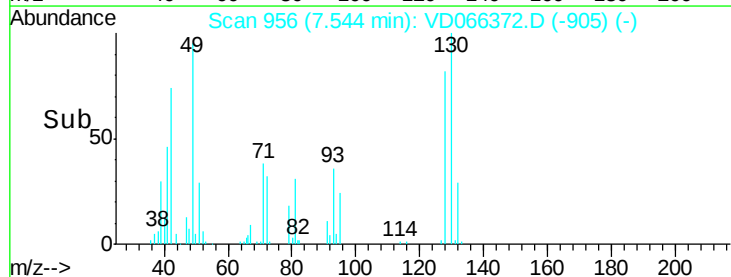
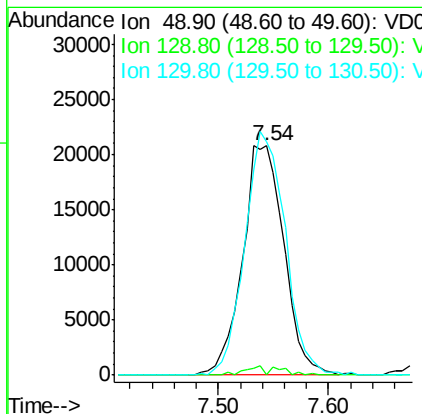
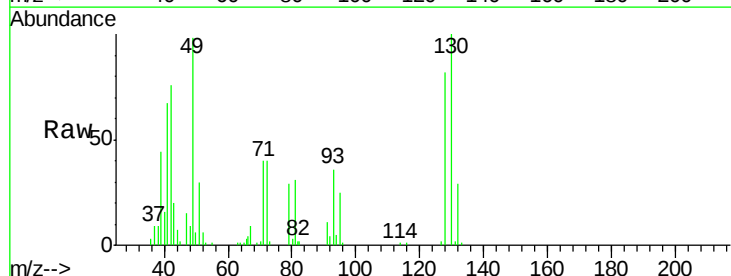
MMDadoda
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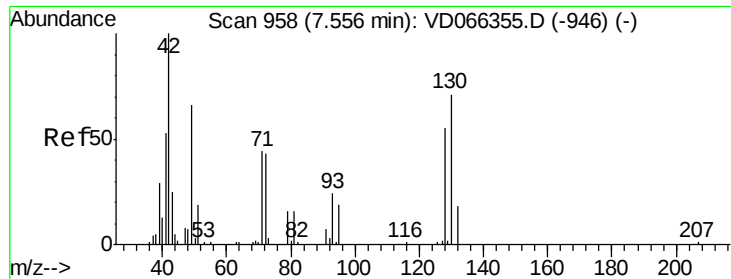


#28

Bromochloromethane
 Concen: 52.692 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.0	
130	0.0	82.6	124.0#	





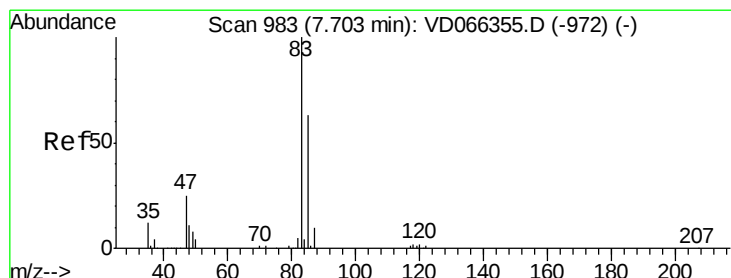
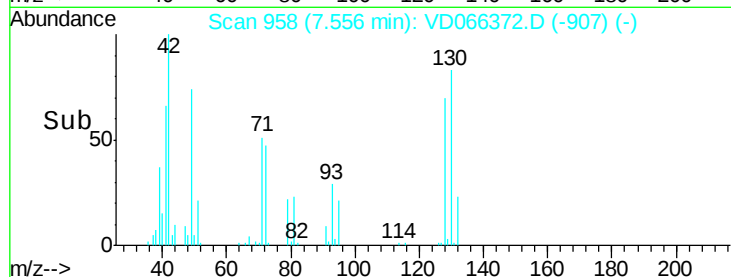
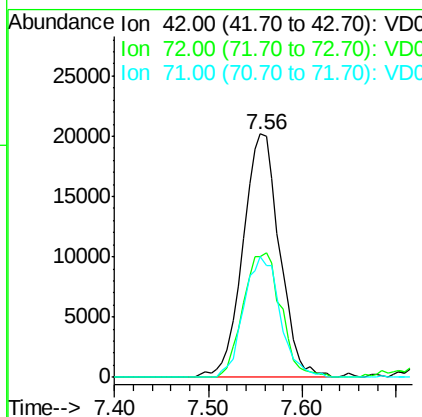
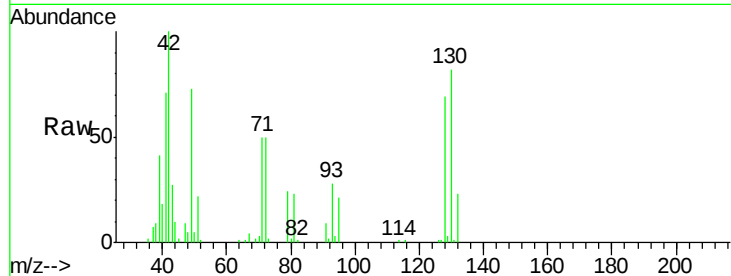
#29
Tetrahydrofuran
Concen: 236.086 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.6	41.0	61.4
71	49.3	37.2	55.8

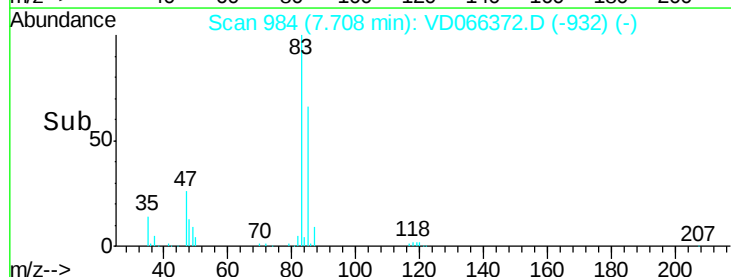
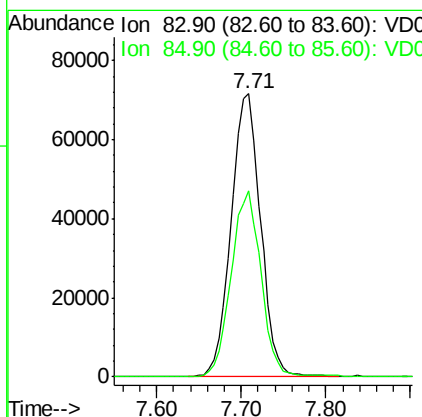
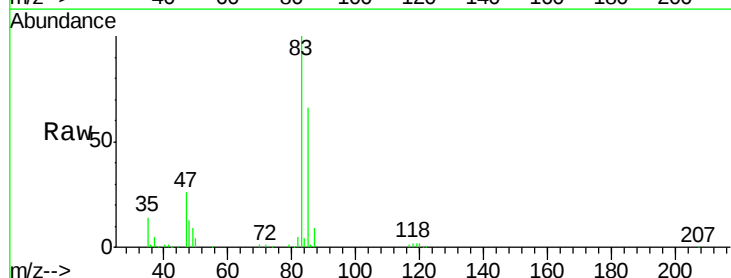
Manual Integrations
APPROVED

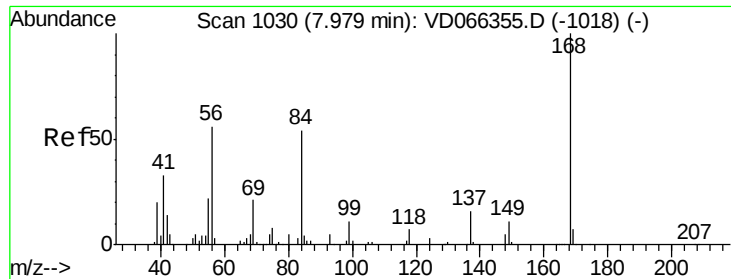
MMDadoda
8/25/2020 3:32:51 PM



#30
Chloroform
Concen: 49.359 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.3	75.5





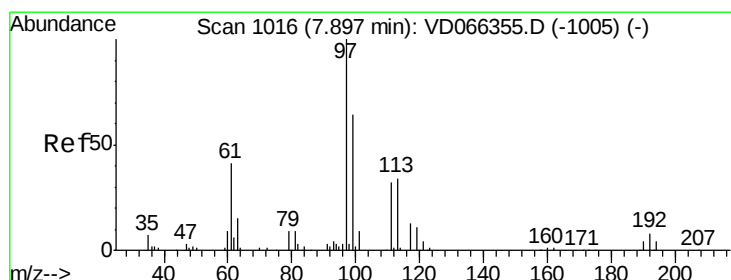
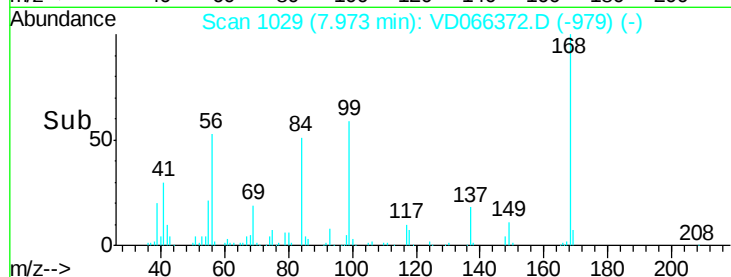
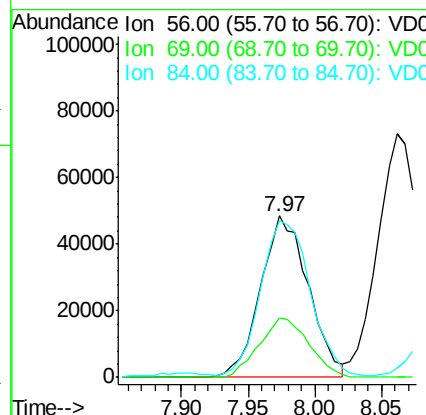
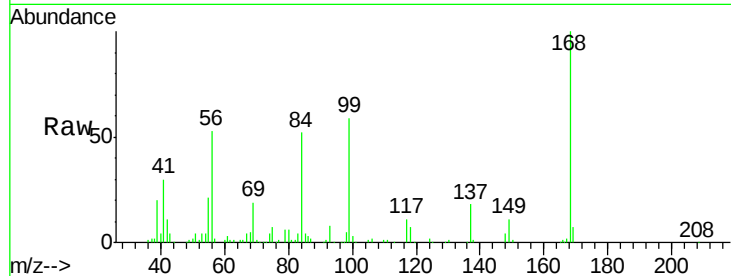
#31
Cyclohexane
Concen: 43.525 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	120236		
69	36.6		29.6	44.4
84	94.6		76.6	115.0

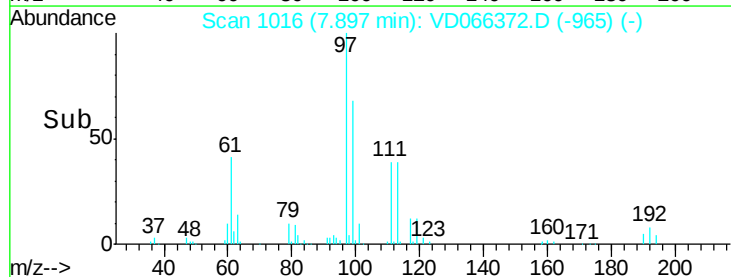
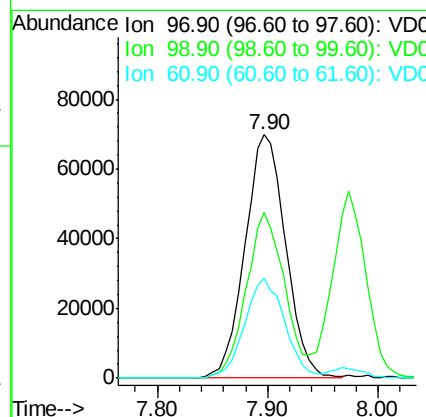
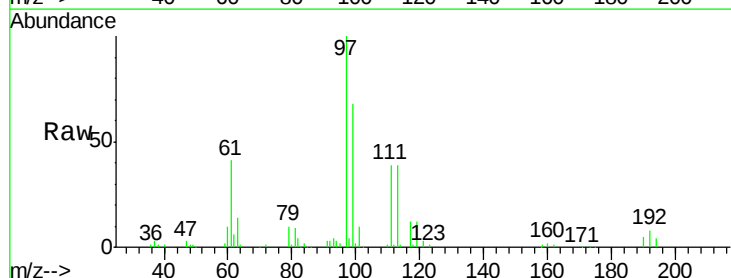
Manual Integrations
APPROVED

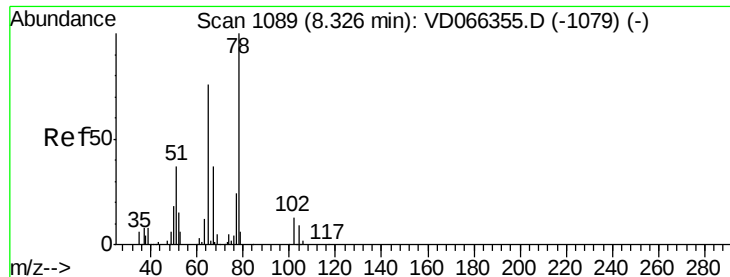
MMDadoda
8/25/2020 3:32:51 PM



#32
1,1,1-Trichloroethane
Concen: 50.503 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	180629		
99	64.7		51.5	77.3
61	40.3		33.3	49.9





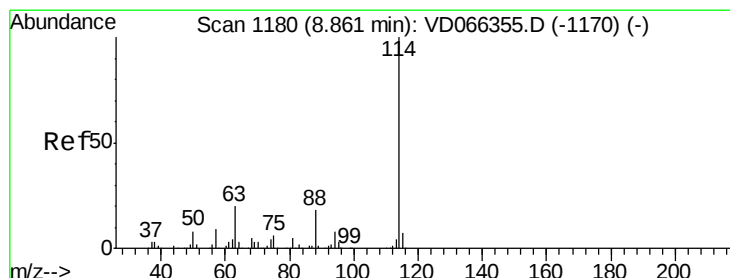
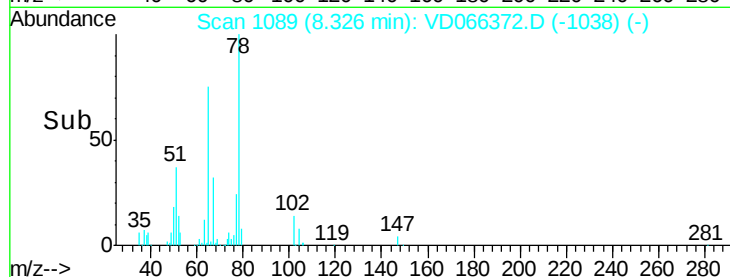
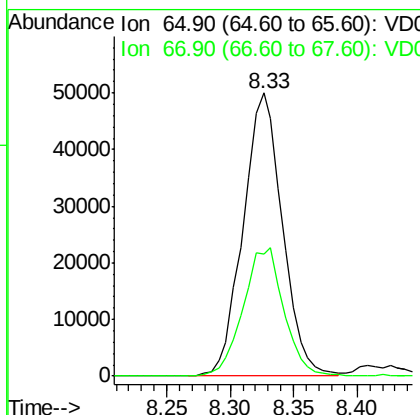
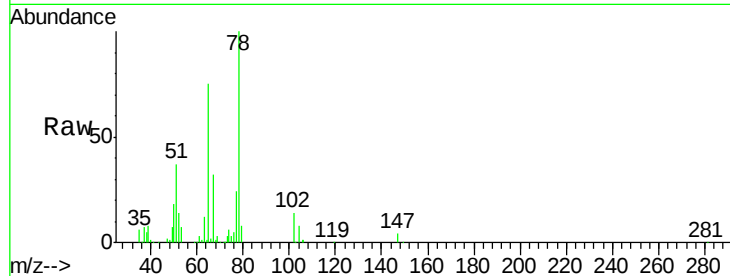
#33
 1,2-Dichloroethane-d4
 Concen: 54.286 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	47.0	0.0	101.6

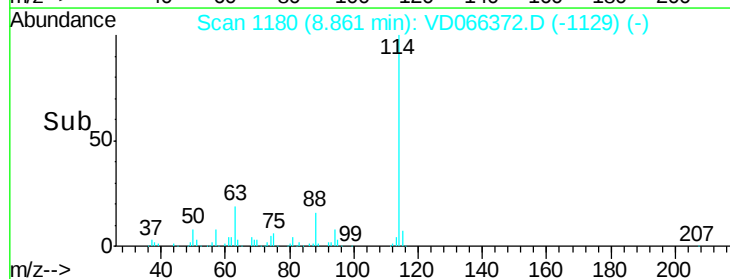
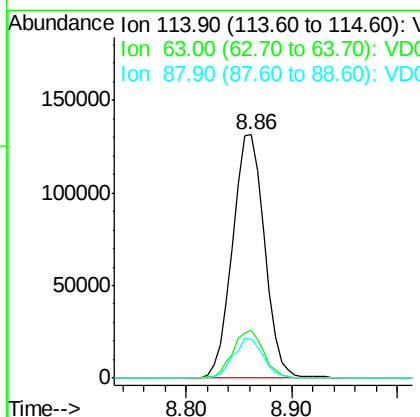
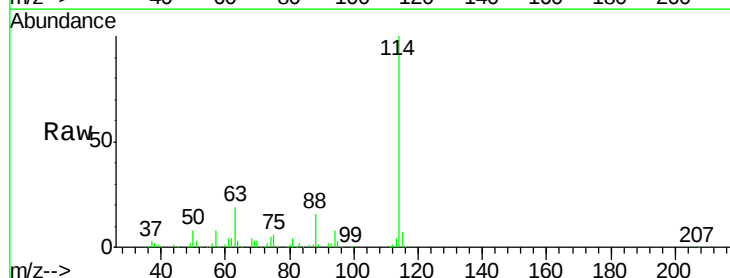
Manual Integrations
 APPROVED

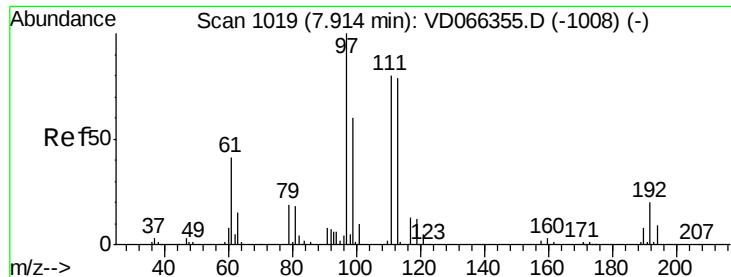
MMDadoda
 8/25/2020 3:32:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.8
88	16.2	0.0	35.4





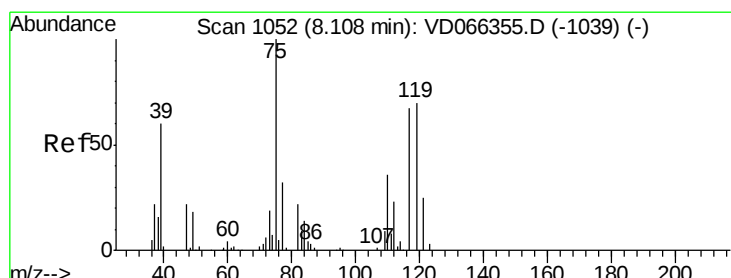
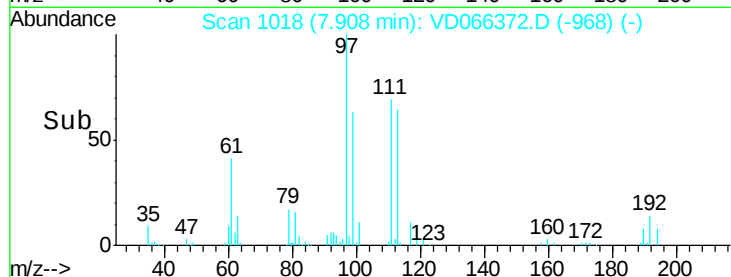
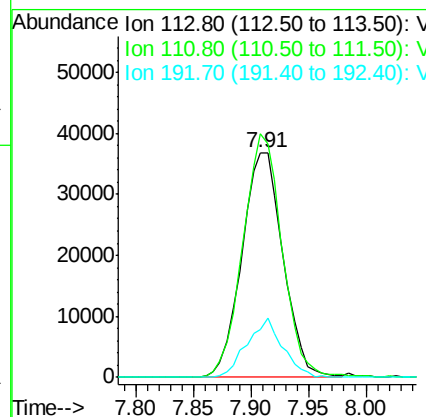
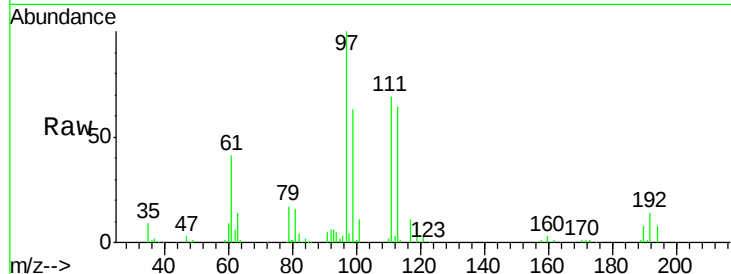
#35
Dibromofluoromethane
Concen: 52.978 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.3	120.5
192	22.8	19.0	28.6

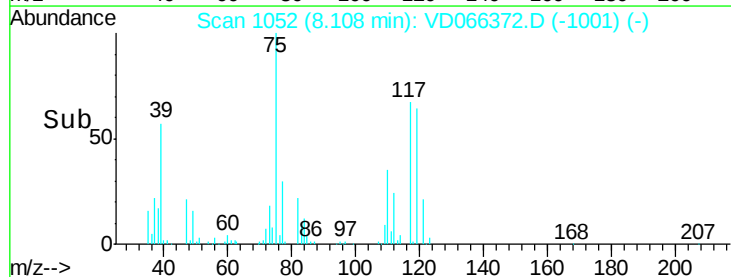
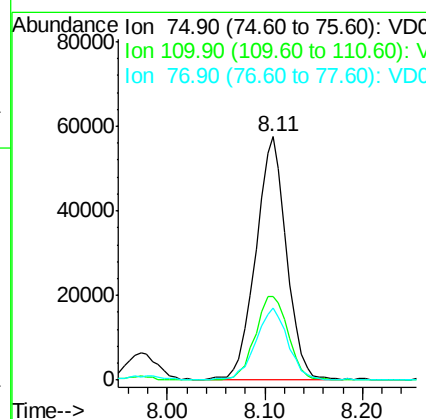
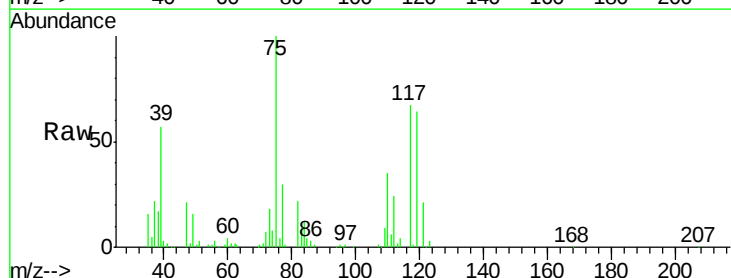
Manual Integrations
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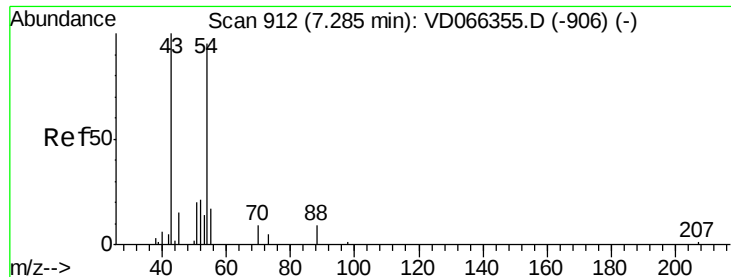
MMDadoda
8/25/2020 3:32:51 PM



#36
1,1-Dichloropropene
Concen: 50.793 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.7	56.1
77	30.7	25.2	37.8





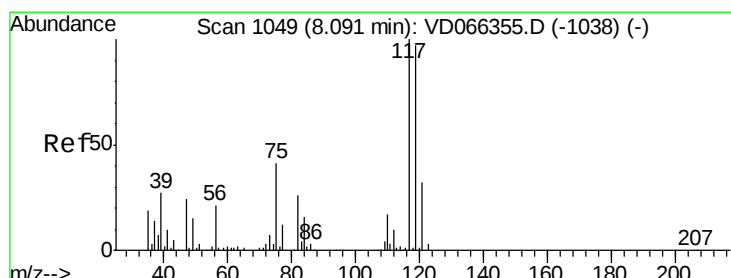
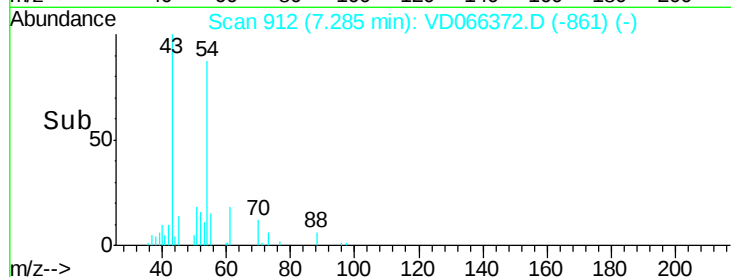
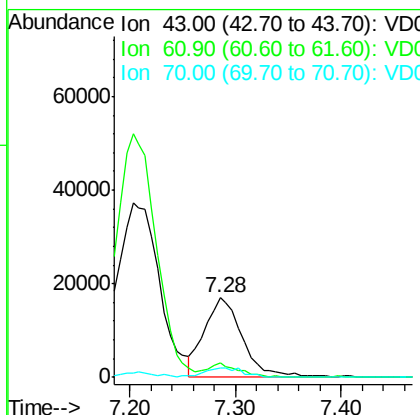
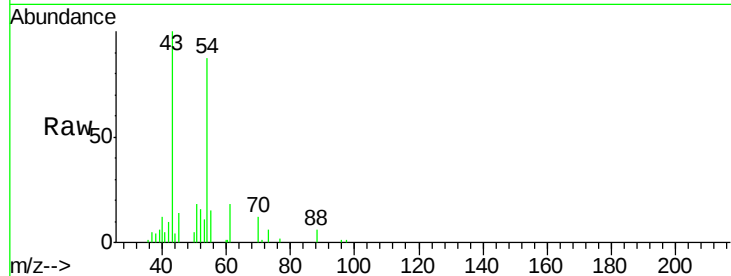
#37
Ethyl Acetate
Concen: 48.560 ug/l
RT: 7.28 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	13.3	19.9
70	12.6	3.5	5.3

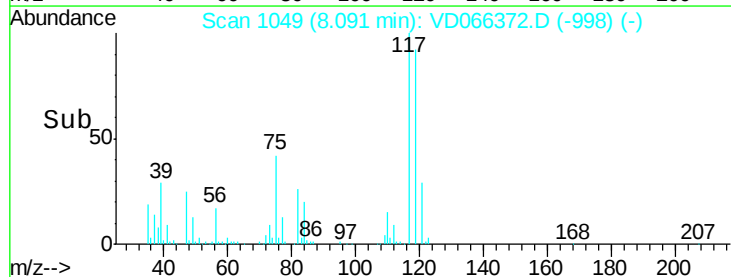
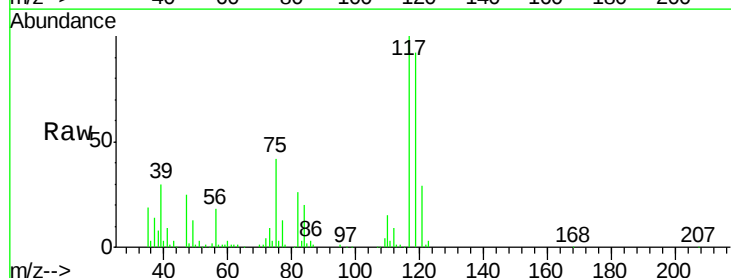
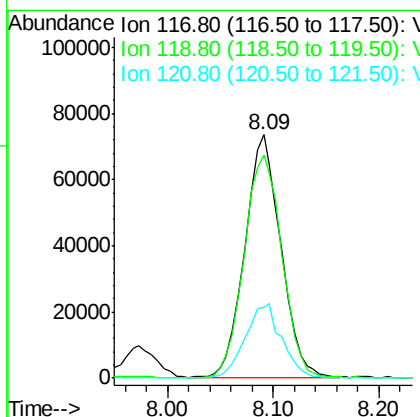
Manual Integrations
APPROVED

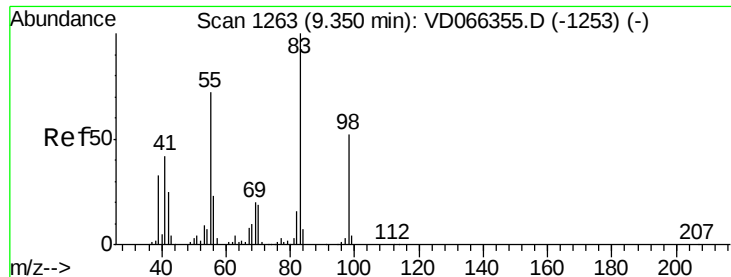
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.531 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.9	77.2	115.8
121	29.1	25.8	38.8





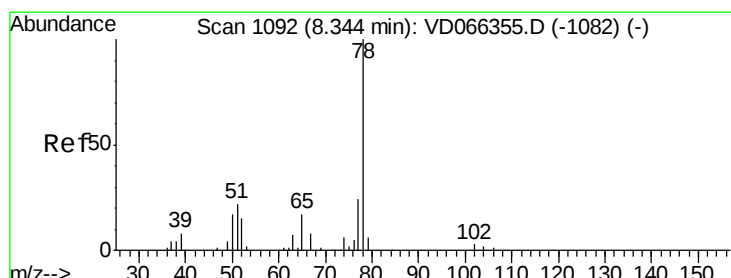
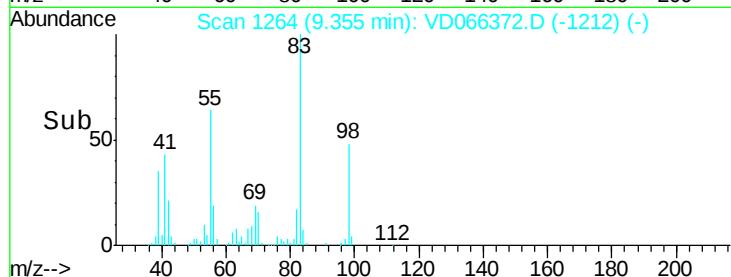
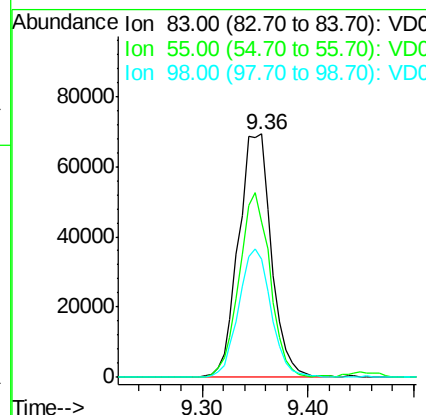
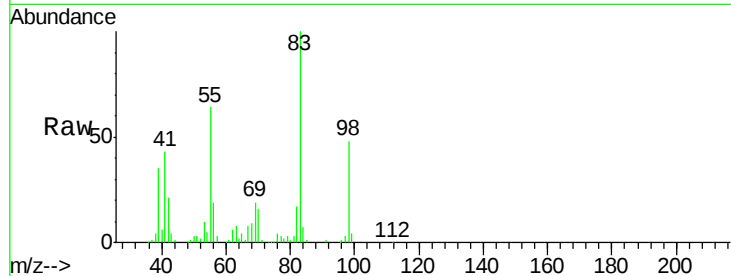
#39
Methvlcvclohexane
Concen: 50.644 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	149920		
55	63.8		58.0	87.0
98	48.4		41.9	62.9

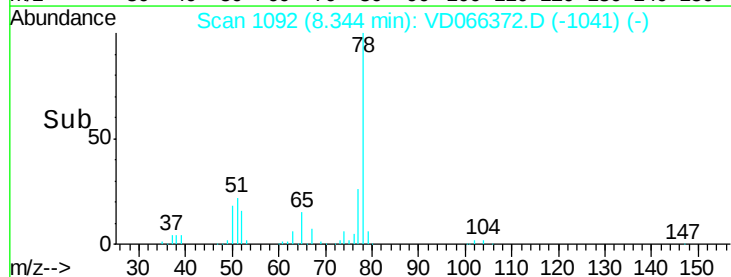
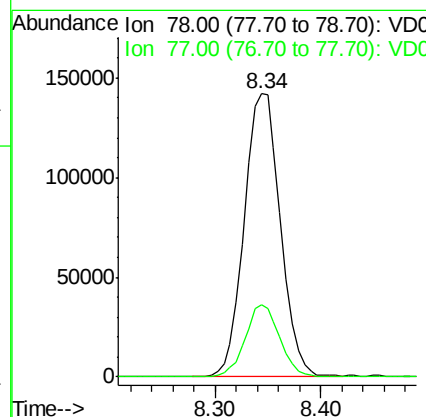
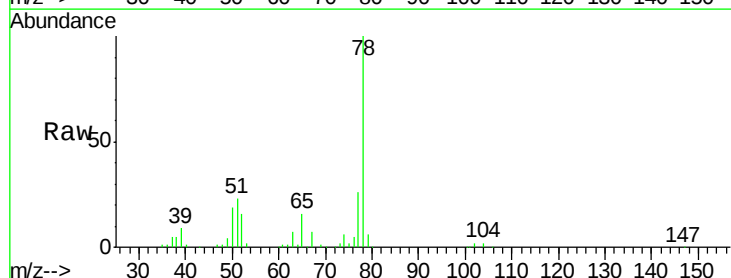
Manual Integrations
APPROVED

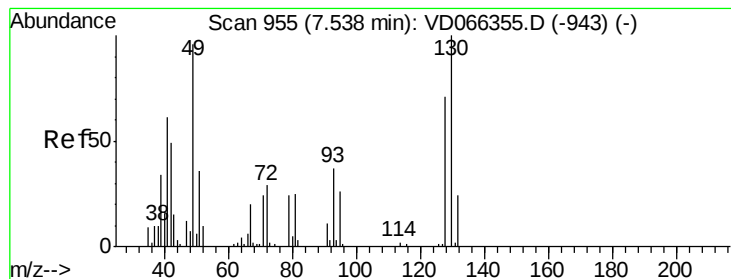
MMDadoda
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#40
Benzene
Concen: 51.145 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	338120		
77	25.7		18.8	28.2





#41

Methacrylonitrile

Concen: 54.959 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 28968

Ion Ratio Lower Upper

41 100

39 0.0 51.8 77.8#

67 0.0 0.0 0.0

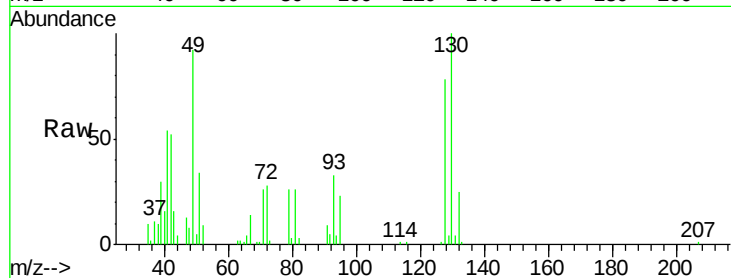
52 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

8/25/2020 3:32:51 PM

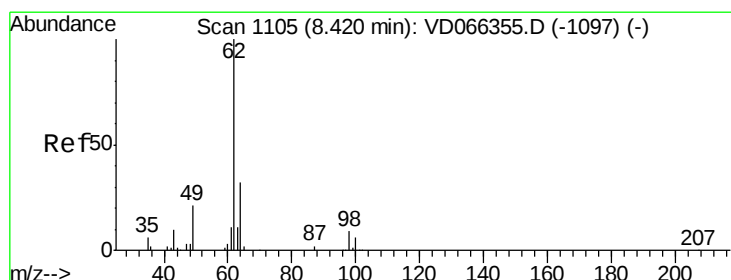
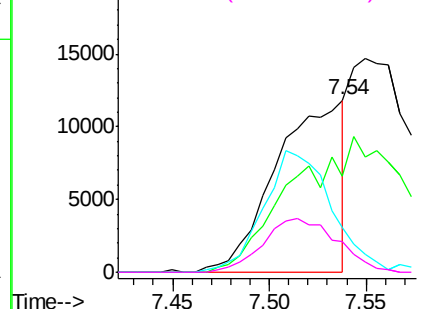
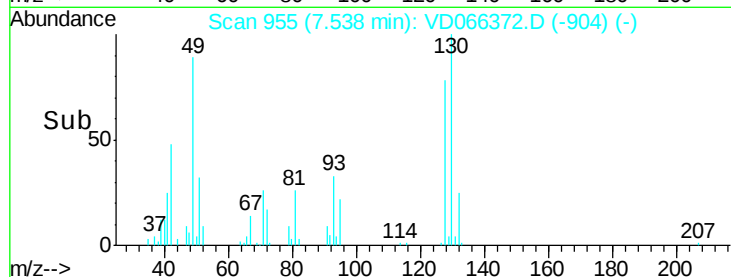


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 53.725 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066372.D

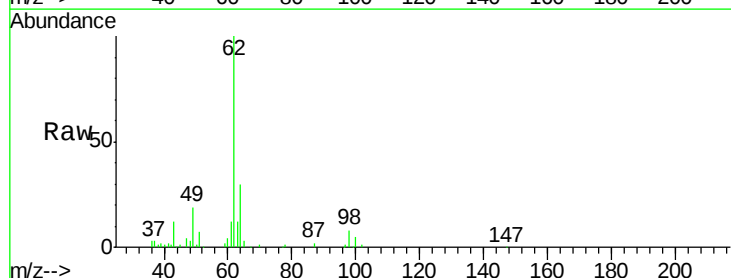
Acq: 24 Aug 2020 10:31

Tgt Ion: 62 Resp: 125093

Ion Ratio Lower Upper

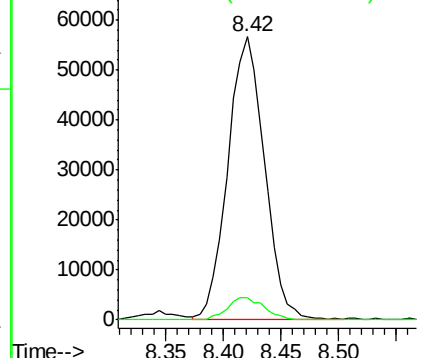
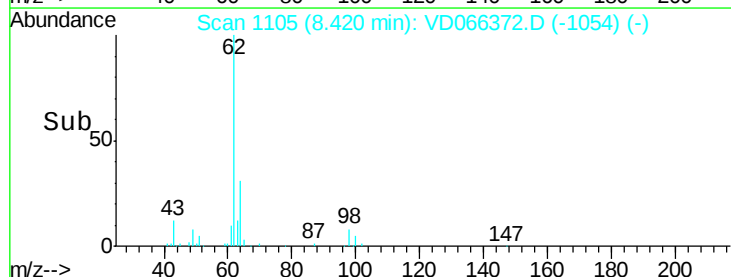
62 100

98 7.8 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.925 ug/l

RT: 8.44 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

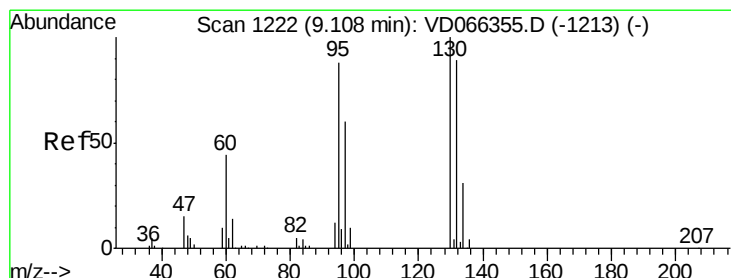
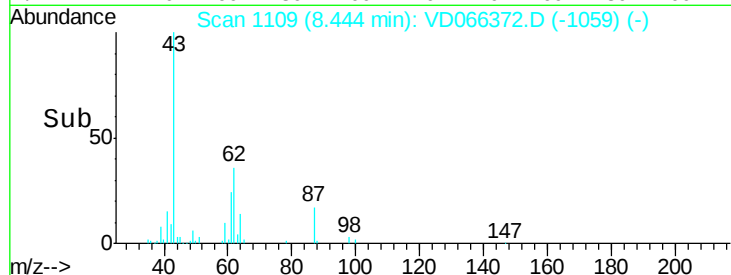
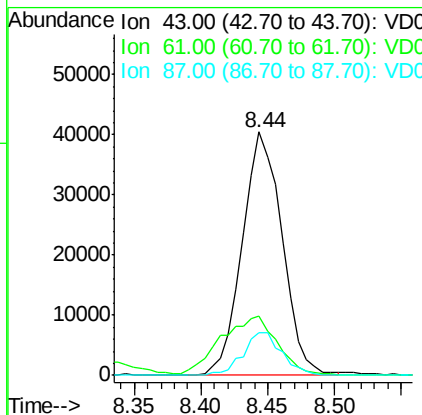
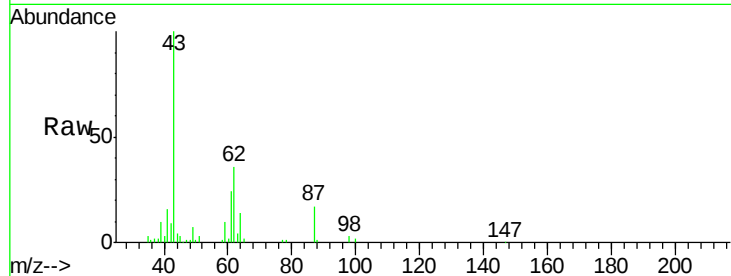
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	83933
Ion	Ratio	Lower	Upper
43	100		
61	34.6	26.5	39.7
87	16.9	11.9	17.9

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#44

Trichloroethene

Concen: 50.259 ug/l

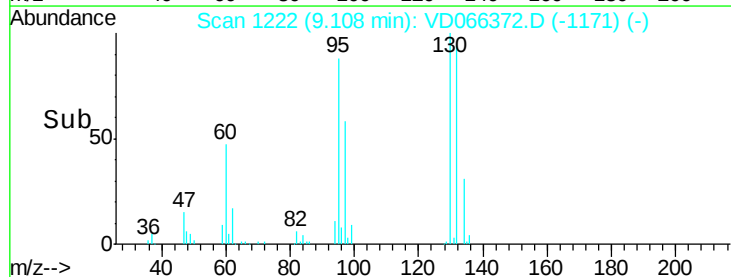
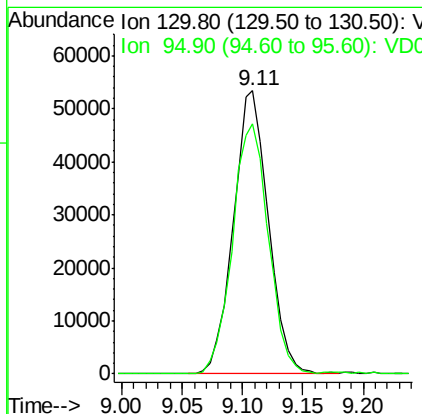
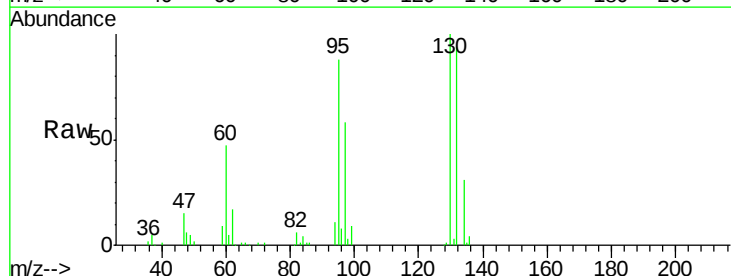
RT: 9.11 min Scan# 1222

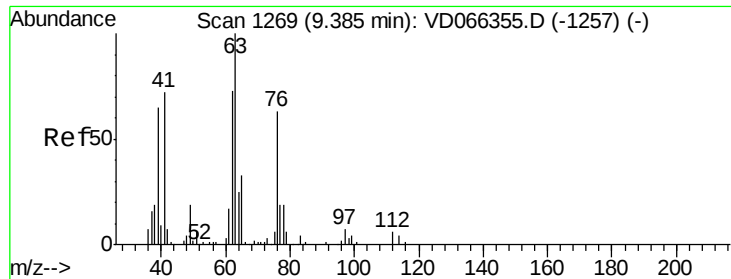
Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Tgt Ion:	130	Resp:	107965
Ion	Ratio	Lower	Upper
130	100		
95	88.3	0.0	175.6





#45

1,2-Dichloropropane

Concen: 49.401 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 74040

Ion Ratio Lower Upper

63 100

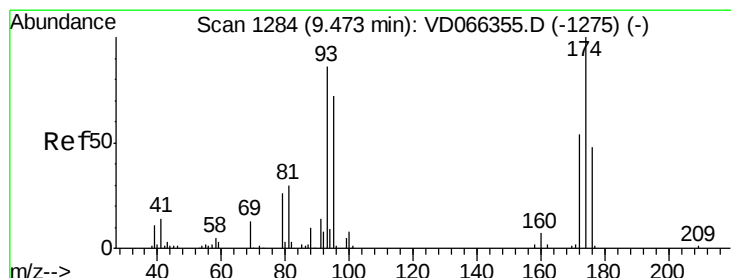
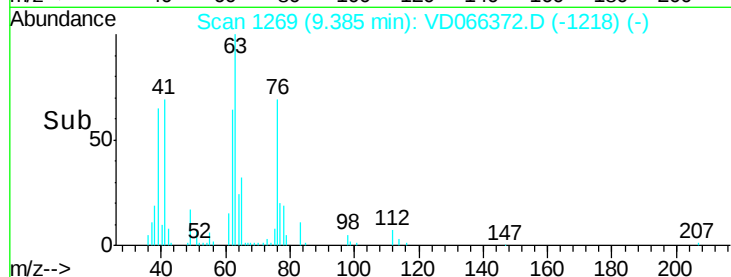
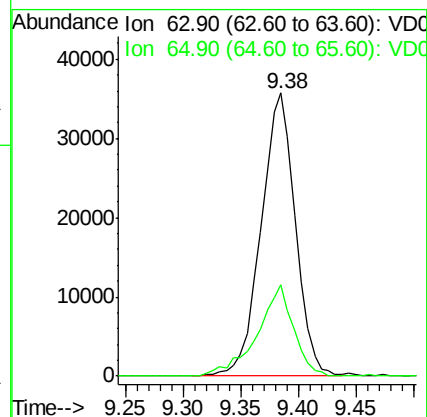
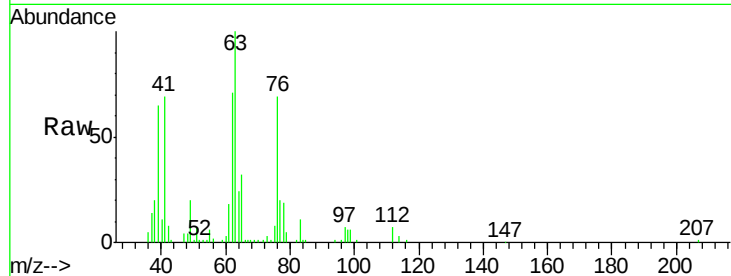
65 32.4 26.4 39.6

Manual Integrations

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#46

Dibromomethane

Concen: 52.793 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

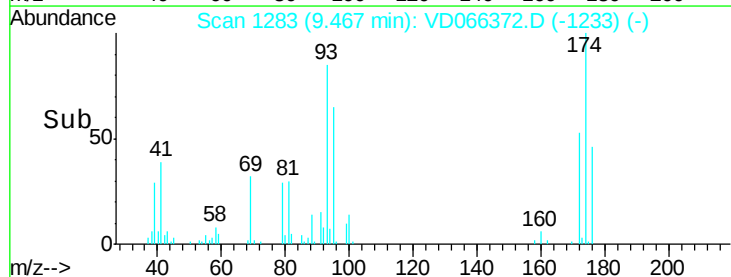
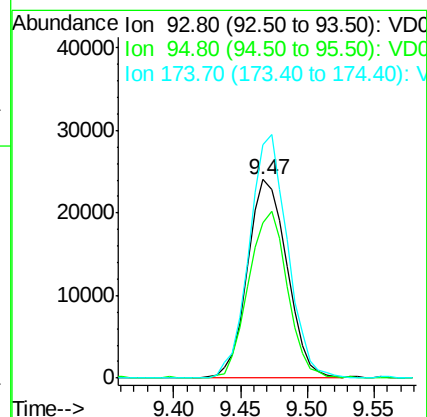
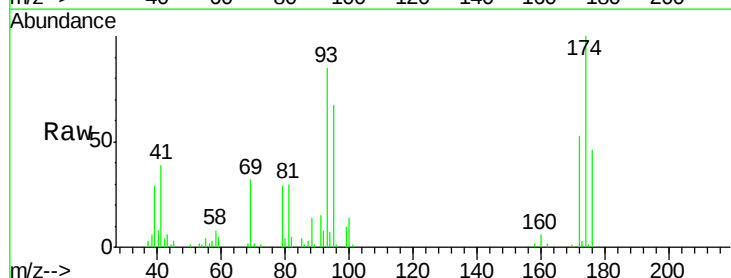
Tgt Ion: 93 Resp: 49264

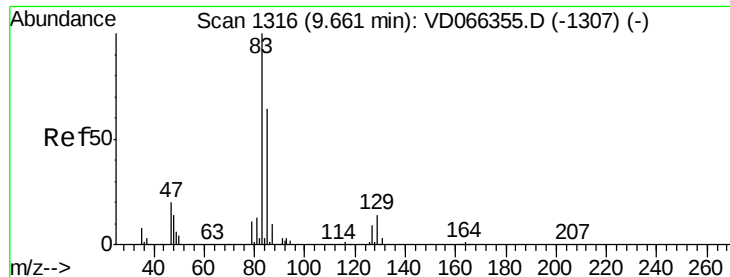
Ion Ratio Lower Upper

93 100

95 82.6 66.0 99.0

174 118.6 94.6 141.8





#47

Bromodichloromethane

Concen: 52.393 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

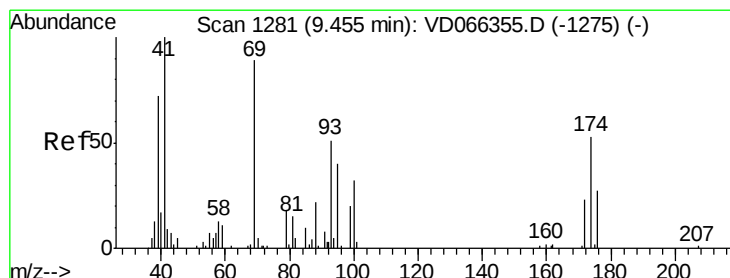
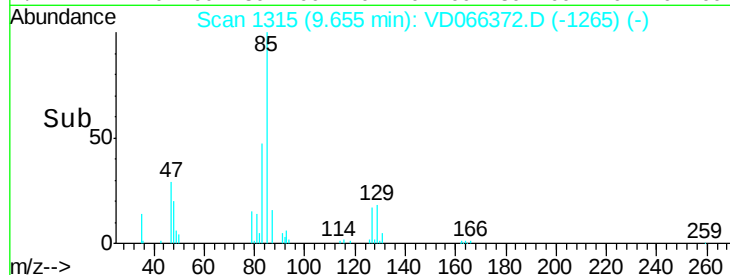
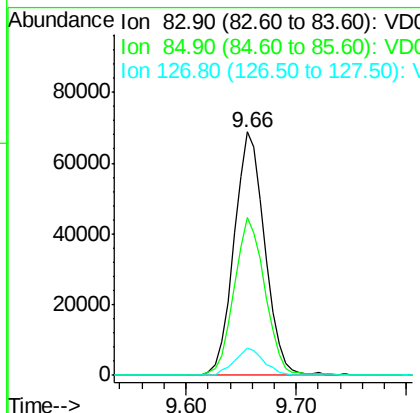
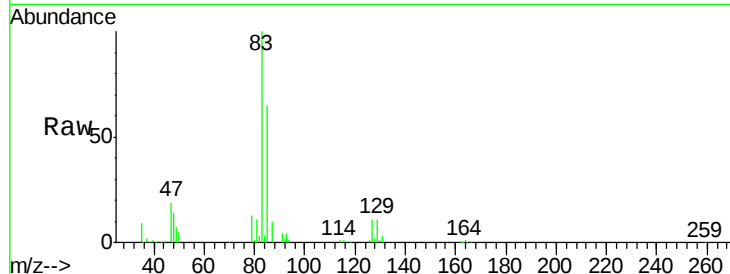
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	134451
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.4	77.0
127	11.0	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.427 ug/l

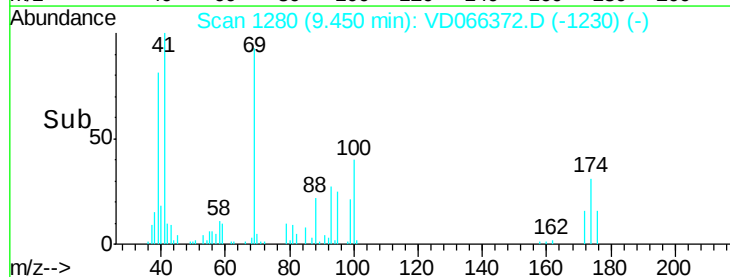
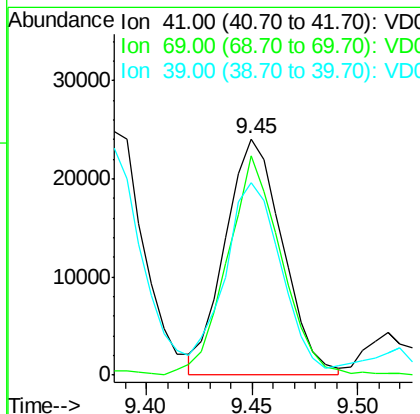
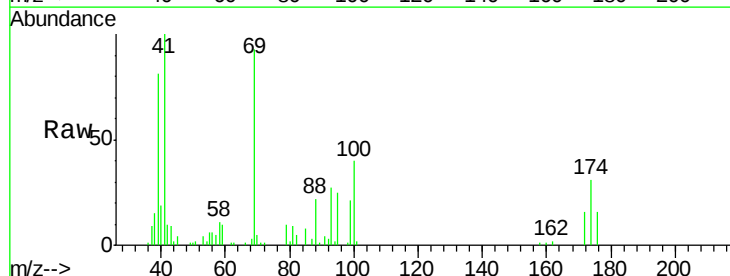
RT: 9.45 min Scan# 1280

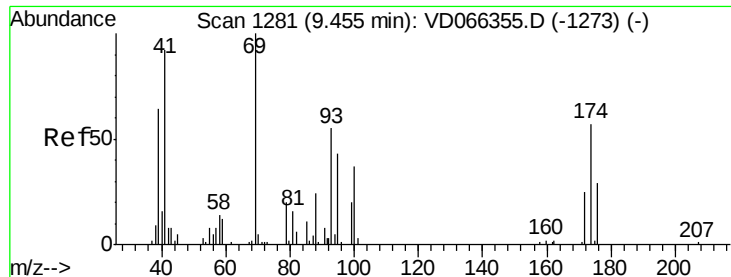
Delta R.T. -0.01 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Tgt Ion:	41	Resp:	45495
Ion Ratio	Lower	Upper	
41	100		
69	87.2	75.5	113.3
39	72.6	57.0	85.4





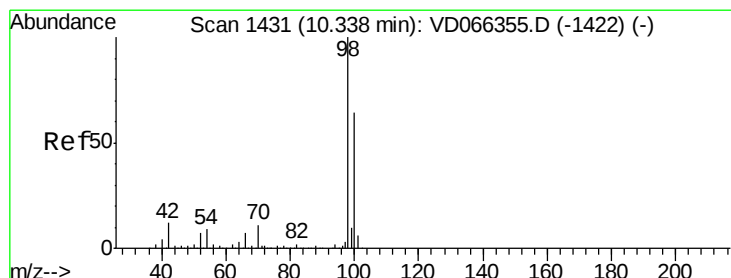
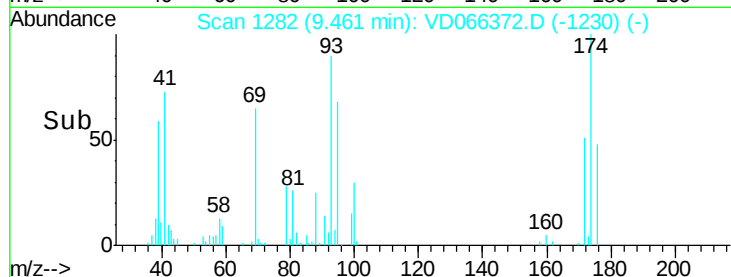
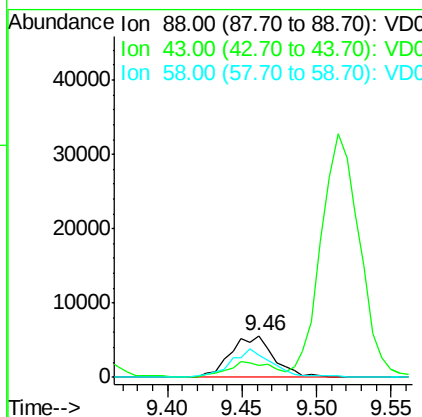
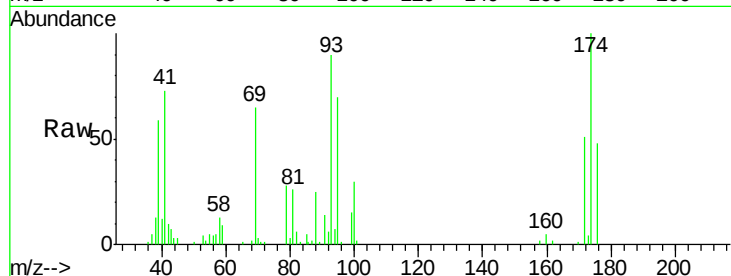
#49
1,4-Dioxane
Concen: 1047.960 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	38.6	29.4	44.0	
58	64.6	45.4	68.2	

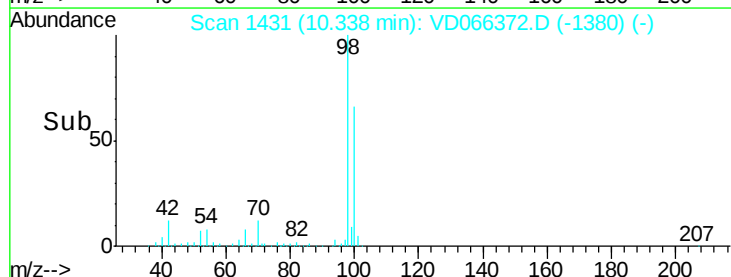
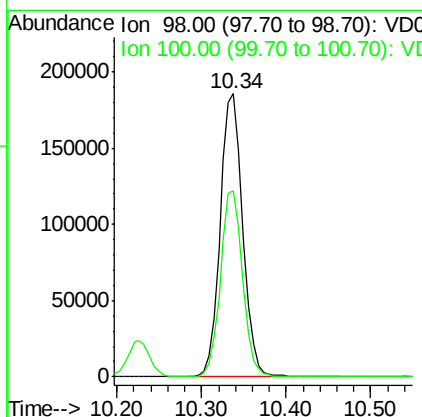
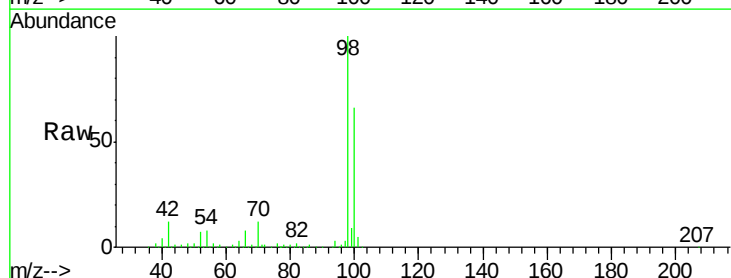
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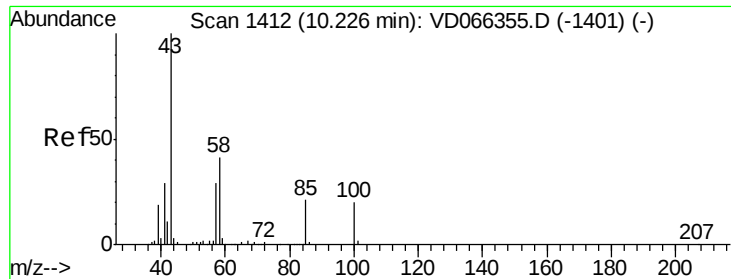
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#50
Toluene-d8
Concen: 54.432 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.9	53.0	79.4	





#51

4-Methyl-2-Pentanone

Concen: 257.515 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 213714

Ion Ratio Lower Upper

43 100

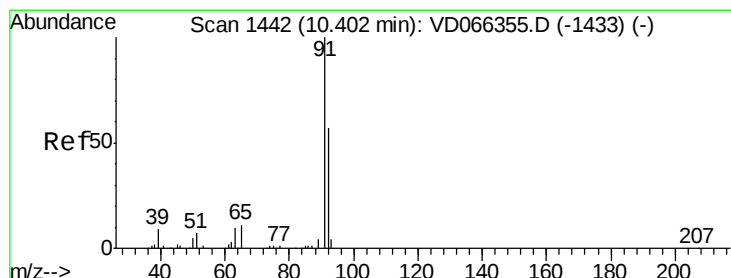
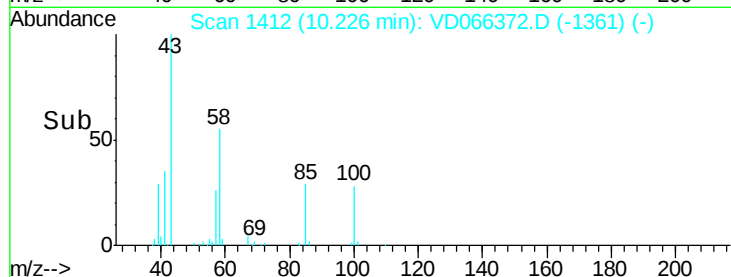
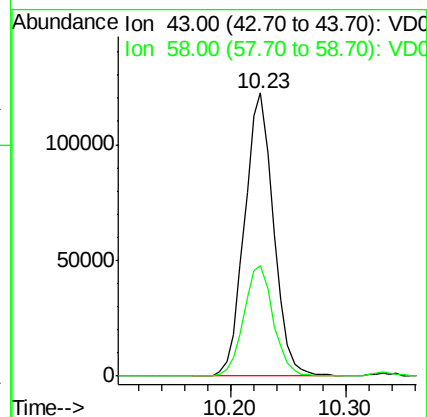
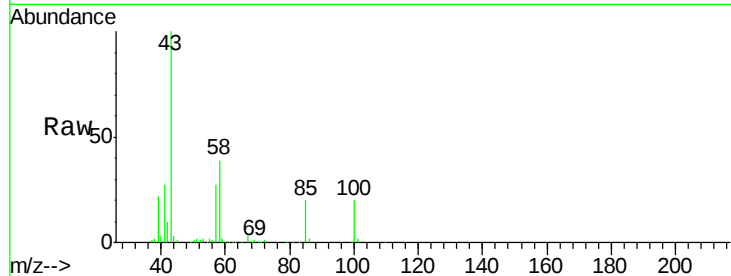
58 39.6 31.4 47.2

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#52

Toluene

Concen: 51.378 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066372.D

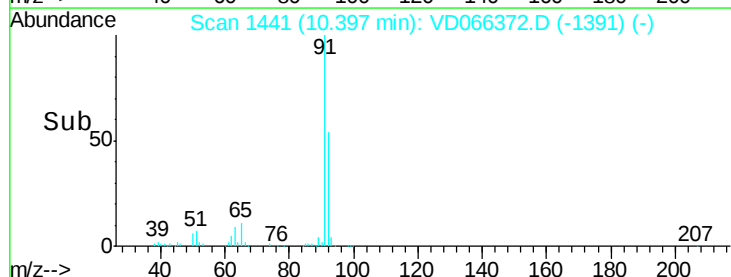
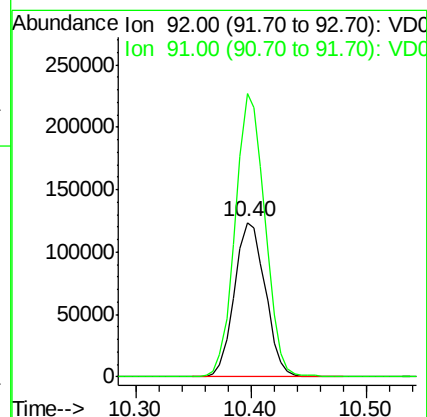
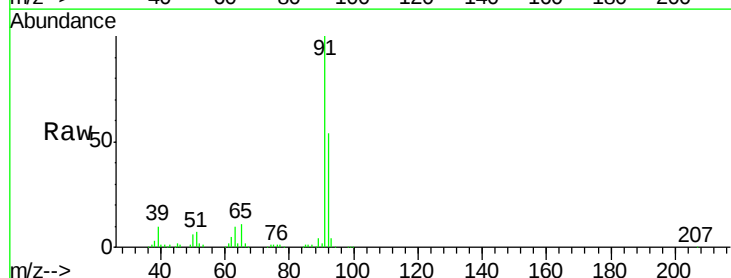
Acq: 24 Aug 2020 10:31

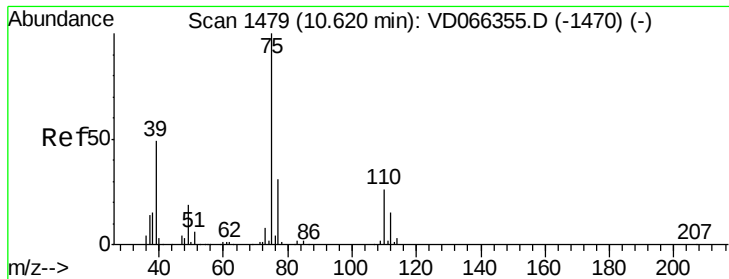
Tgt Ion: 92 Resp: 230120

Ion Ratio Lower Upper

92 100

91 176.6 135.8 203.6





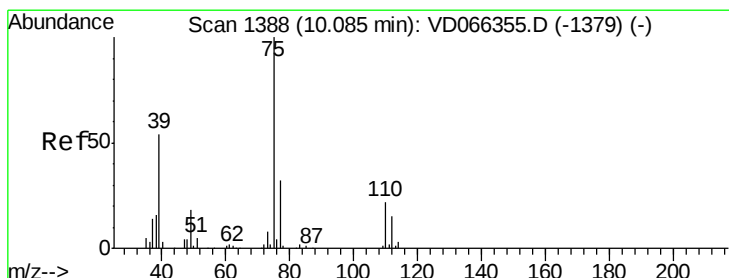
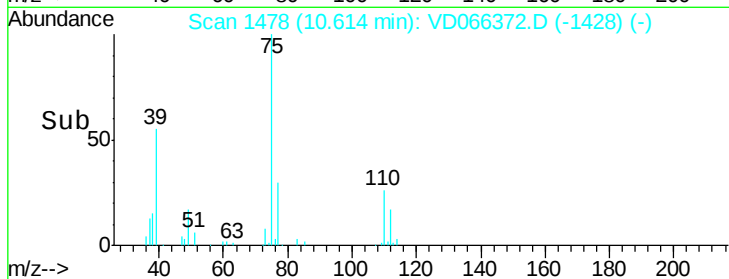
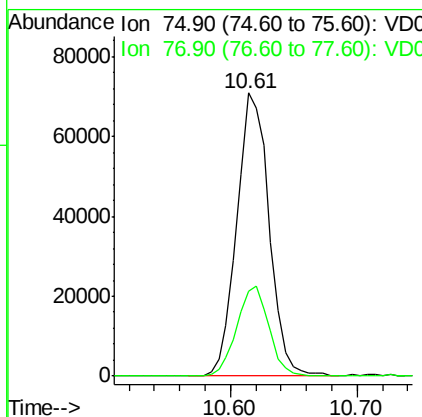
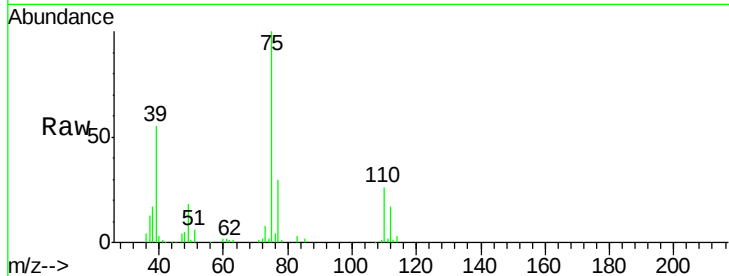
#53
t-1,3-Dichloropropene
Concen: 51.520 ug/l
RT: 10.61 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 125452
Ion Ratio Lower Upper
75 100
77 30.0 24.5 36.7

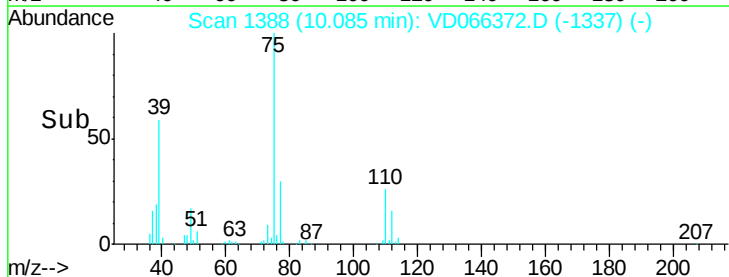
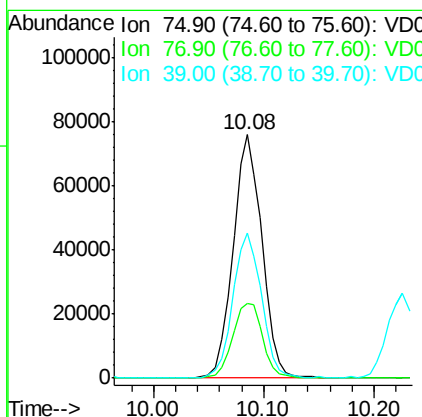
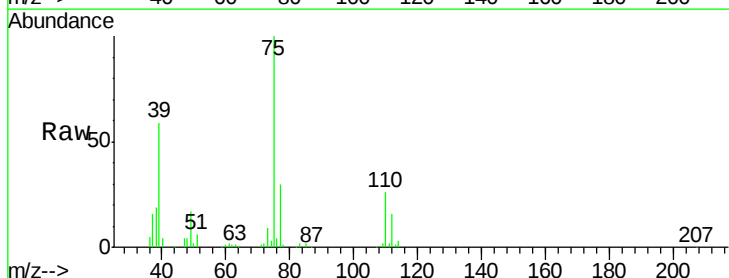
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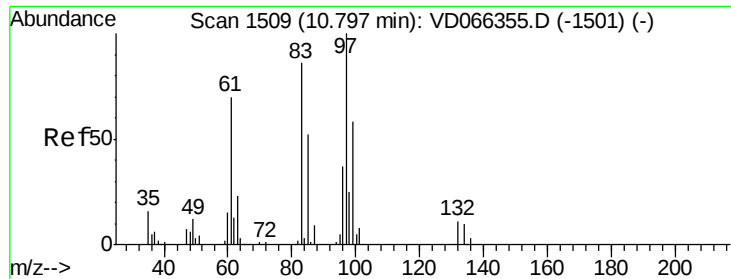
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#54
cis-1,3-Dichloropropene
Concen: 51.018 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion: 75 Resp: 139444
Ion Ratio Lower Upper
75 100
77 30.4 25.6 38.4
39 59.5 43.4 65.0





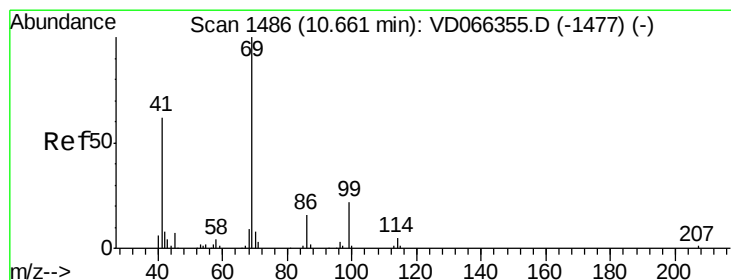
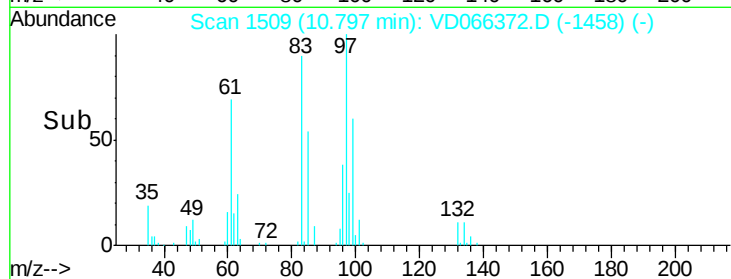
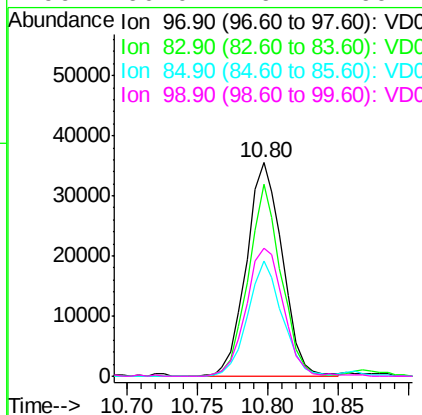
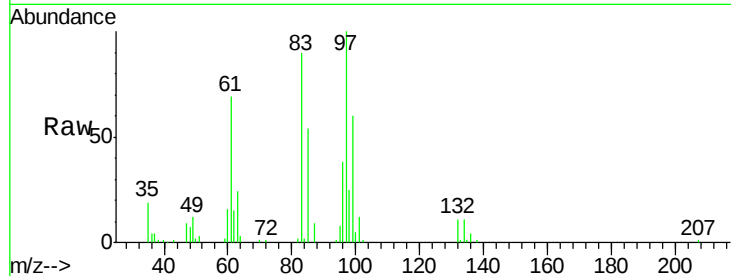
#55
 1,1,2-Trichloroethane
 Concen: 50.247 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	63476
Ion	Ratio	Lower	Upper
97	100		
83	90.0	68.4	102.6
85	54.0	41.3	61.9
99	60.0	46.1	69.1

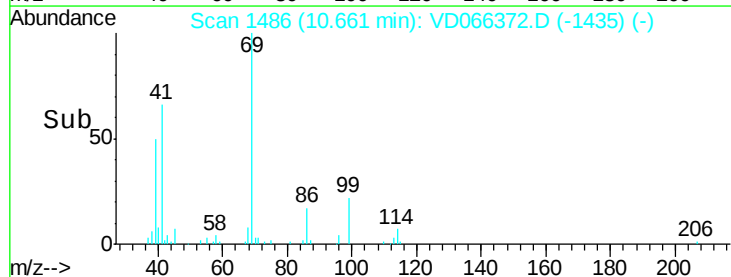
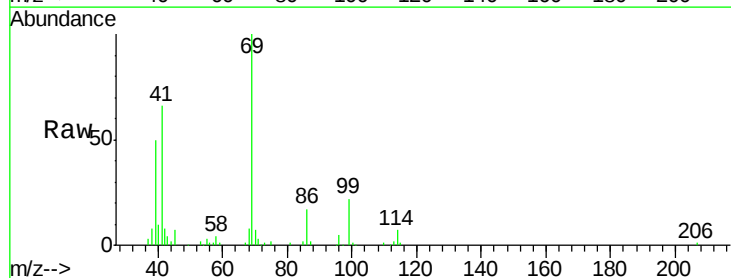
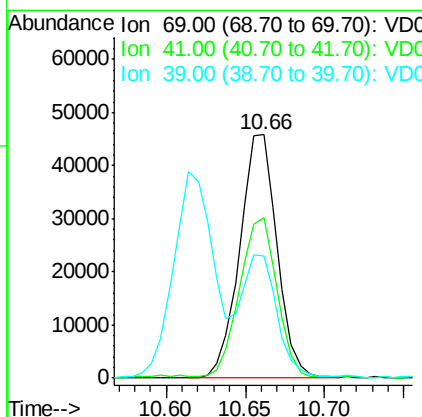
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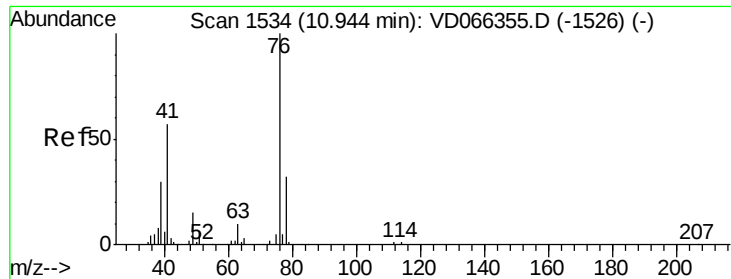
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#56
 Ethyl methacrylate
 Concen: 51.274 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Tgt Ion:	69	Resp:	74983
Ion	Ratio	Lower	Upper
69	100		
41	67.1	50.8	76.2
39	49.3	32.9	49.3





#57

1,3-Dichloropropane

Concen: 51.057 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 106688

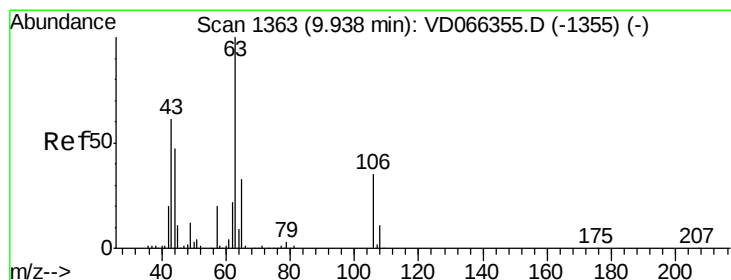
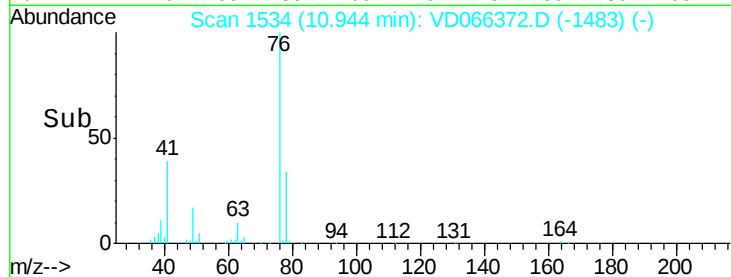
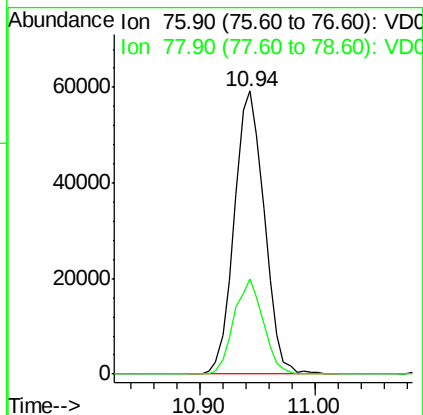
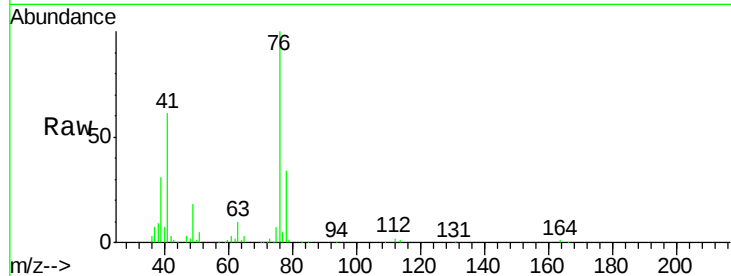
Ion Ratio Lower Upper

76 100

78 32.8 25.6 38.4

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 265.058 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066372.D

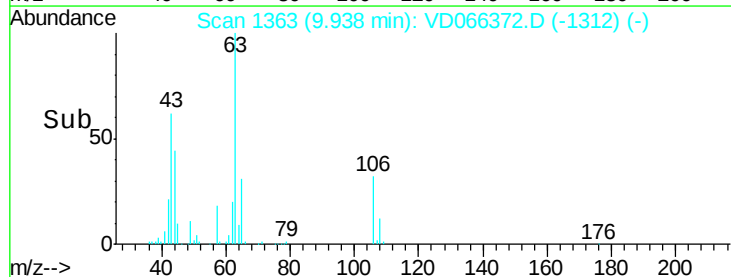
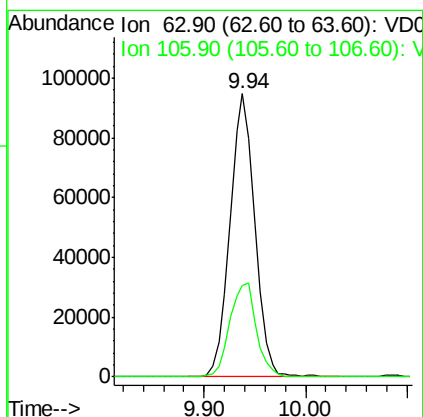
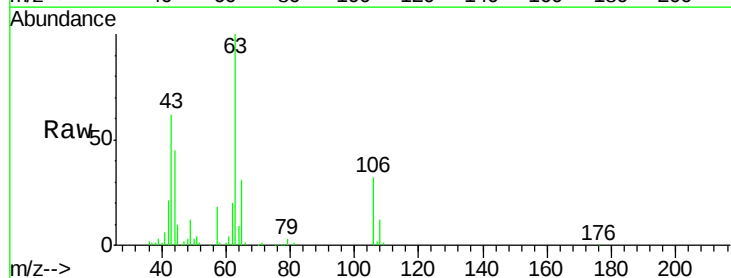
Acq: 24 Aug 2020 10:31

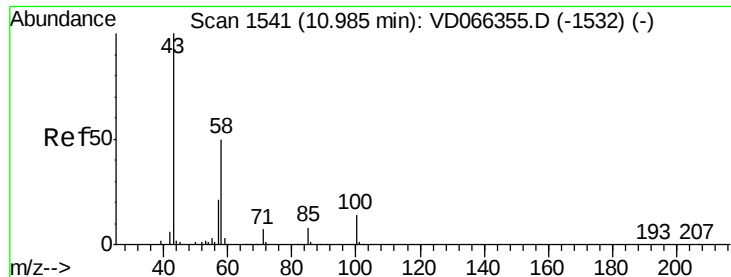
Tgt Ion: 63 Resp: 160988

Ion Ratio Lower Upper

63 100

106 35.4 27.1 40.7





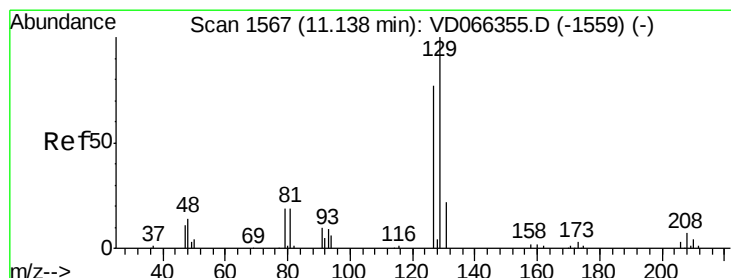
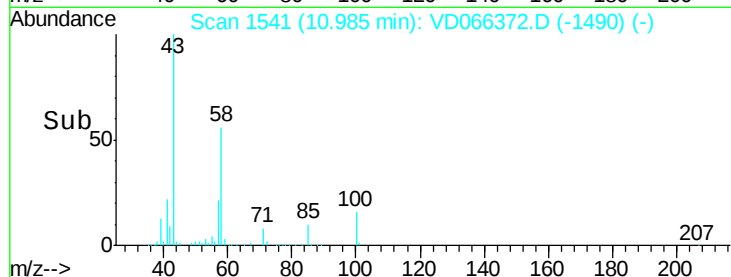
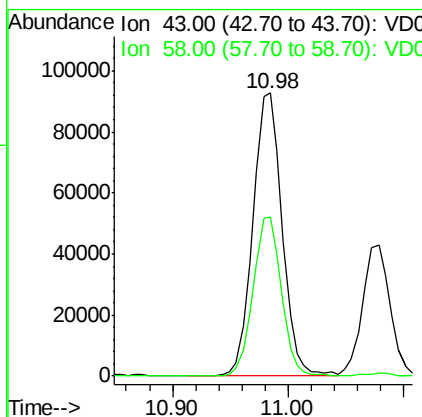
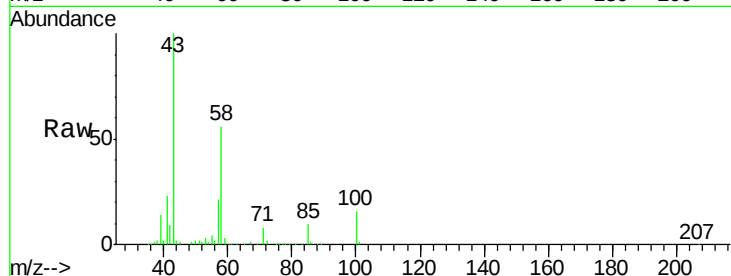
#59
2-Hexanone
Concen: 280.982 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 164484
Ion Ratio Lower Upper
43 100
58 54.1 26.3 78.8

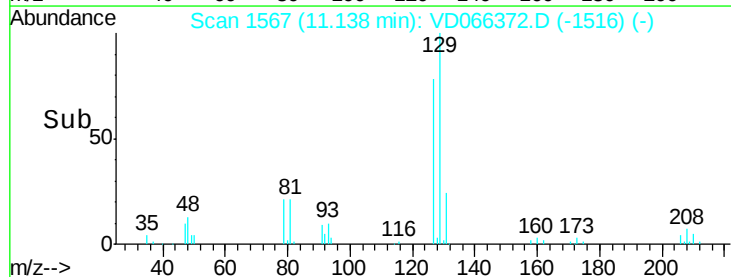
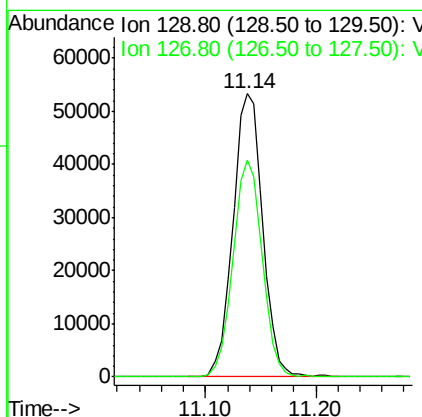
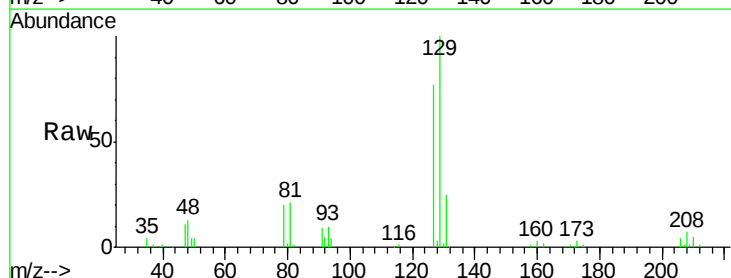
Manual Integrations
APPROVED

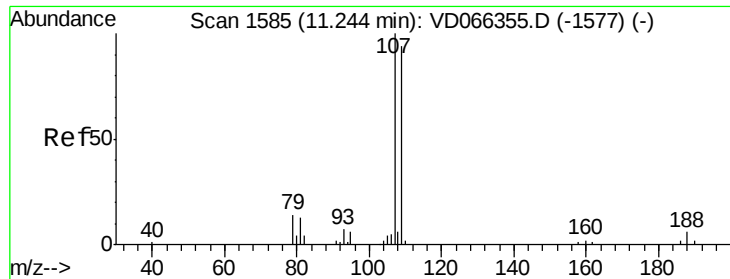
MMDadoda
8/25/2020 3:32:51 PM



#60
Dibromochloromethane
Concen: 52.907 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion: 129 Resp: 100744
Ion Ratio Lower Upper
129 100
127 74.7 39.0 117.0





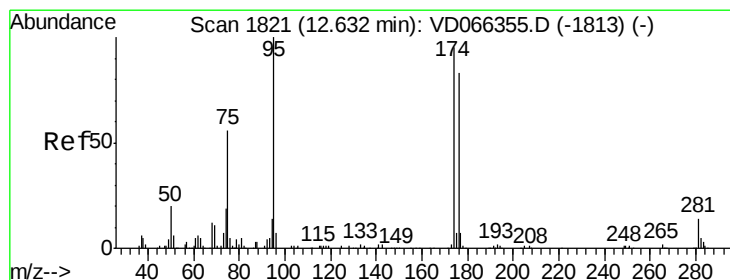
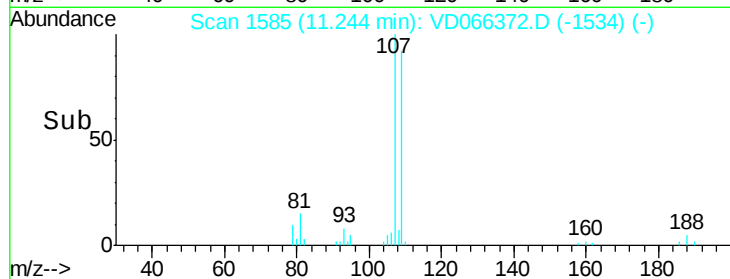
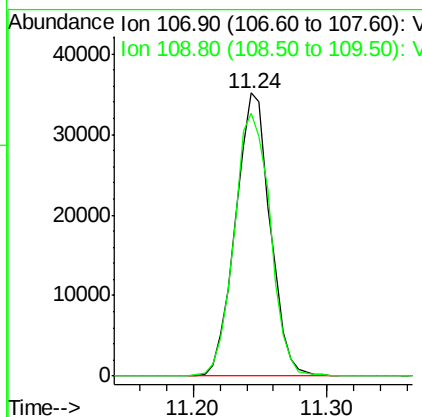
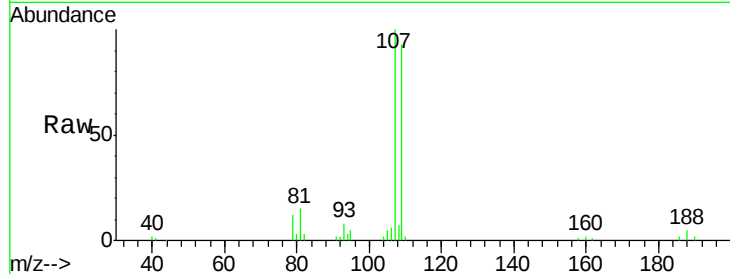
#61
 1,2-Dibromoethane
 Concen: 50.820 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.6	77.8	116.8

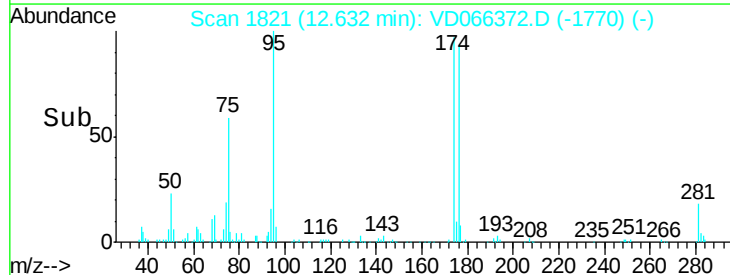
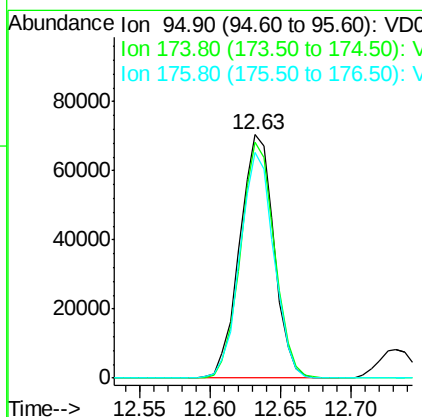
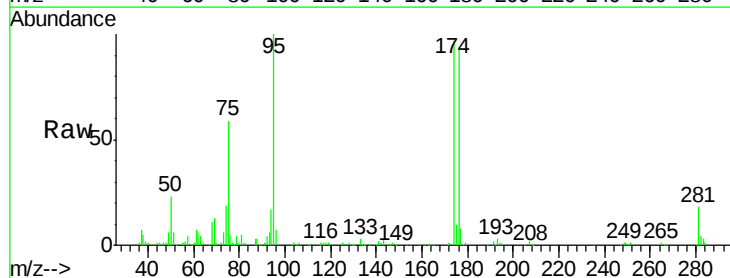
Manual Integrations
 APPROVED

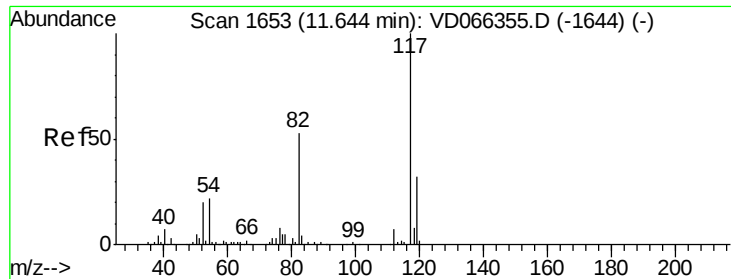
MMDadoda
 8/25/2020 3:32:51 PM



#62
 4-Bromofluorobenzene
 Concen: 53.419 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.8	0.0	183.4
176	91.6	0.0	173.8





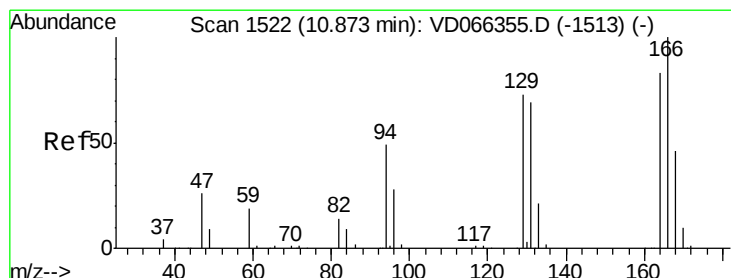
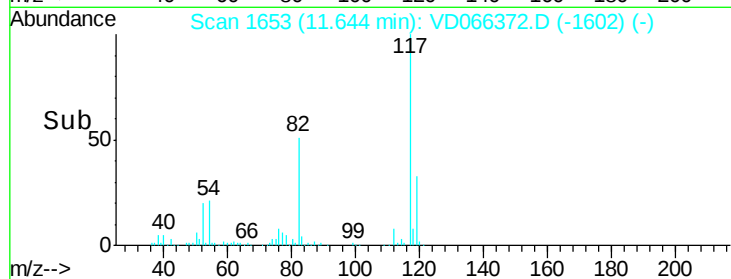
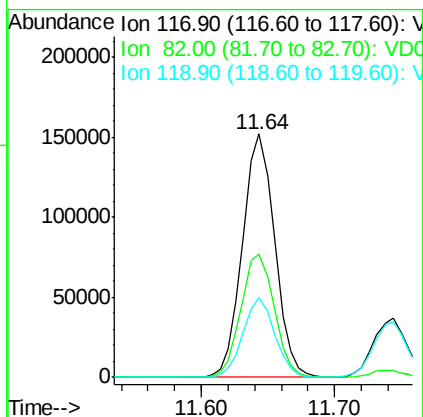
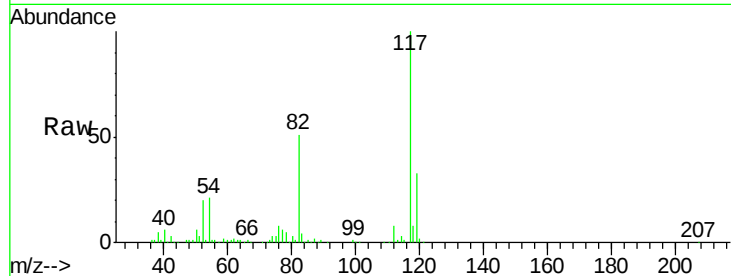
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	254707		
82	50.6		42.8	64.2
119	32.6		25.8	38.8

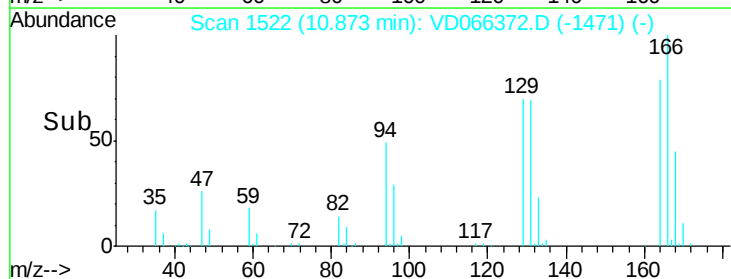
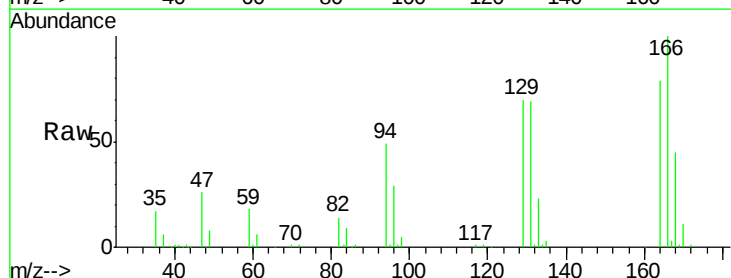
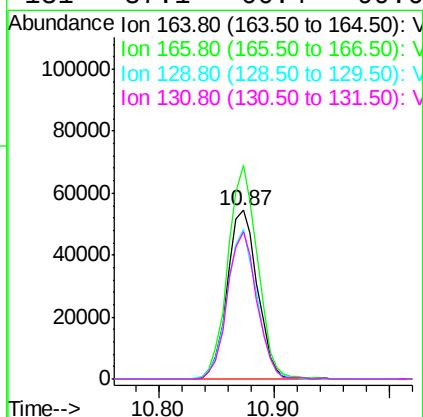
Manual Integrations
APPROVED

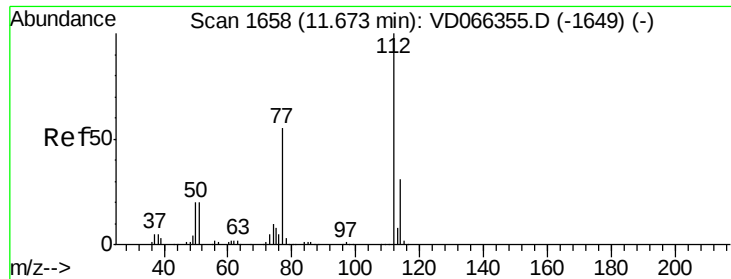
MMDadoda
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#64
Tetrachloroethene
Concen: 51.060 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	98658		
166	126.4		96.2	144.4
129	88.7		70.3	105.5
131	87.1		66.4	99.6





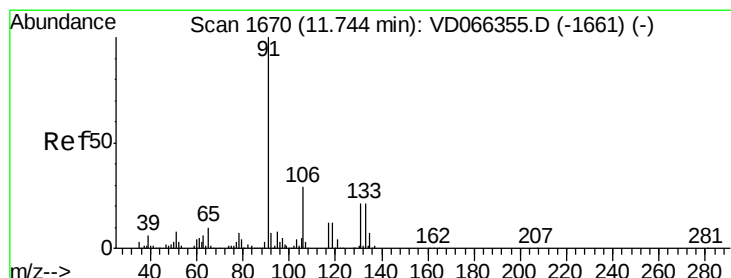
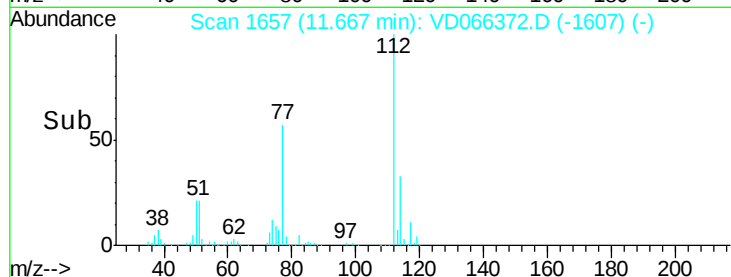
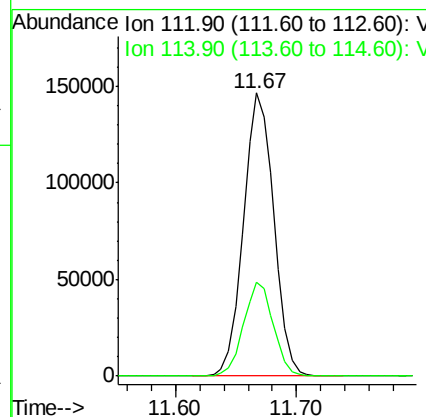
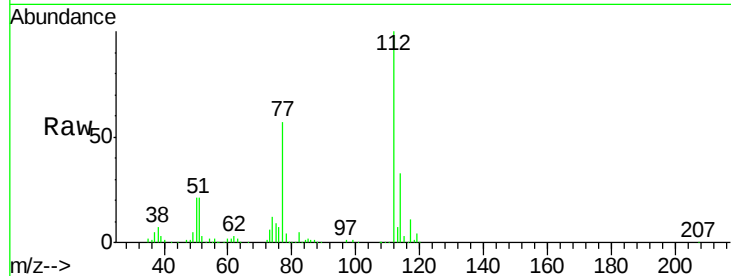
#65
Chlorobenzene
Concen: 50.564 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.1	37.7

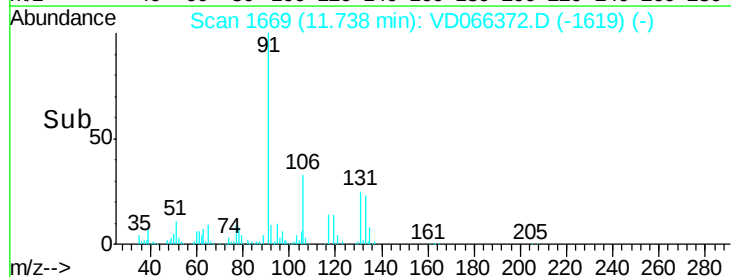
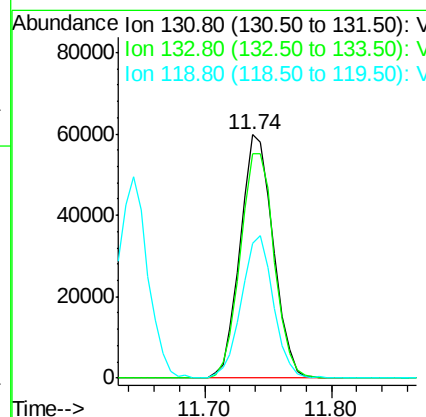
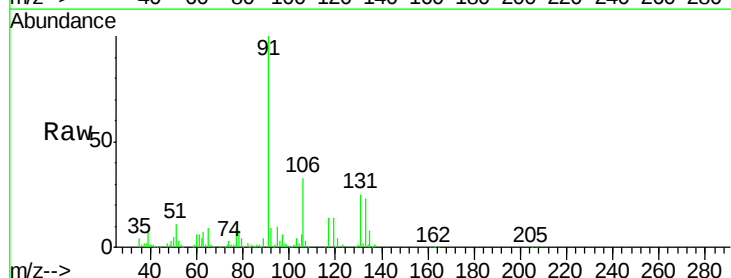
Manual Integrations
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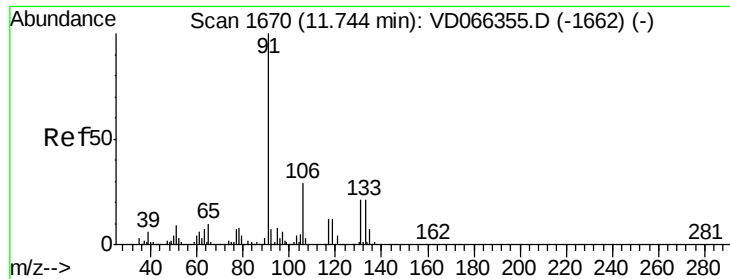
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.163 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	48.6	145.9
119	56.5	29.0	87.1





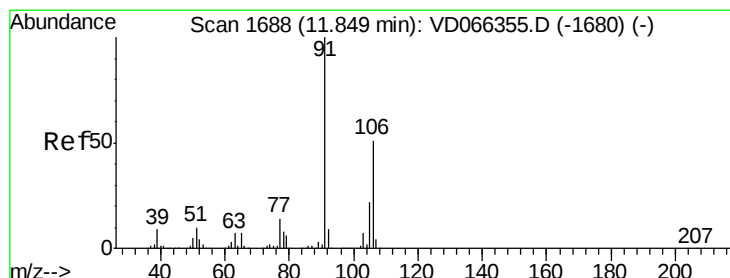
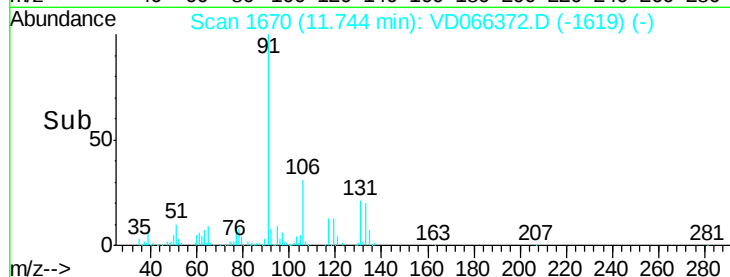
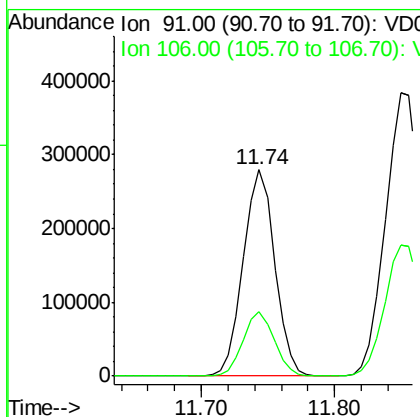
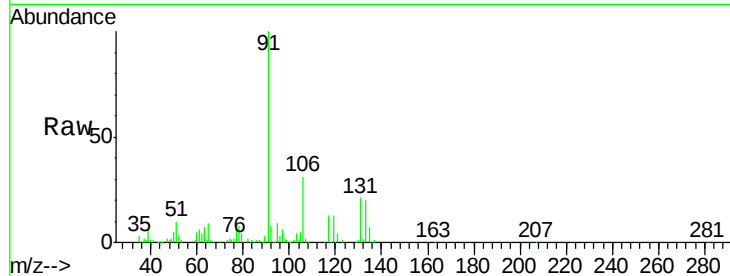
#67
Ethyl Benzene
Concen: 51.220 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 456878
Ion Ratio Lower Upper
91 100
106 31.5 23.4 35.2

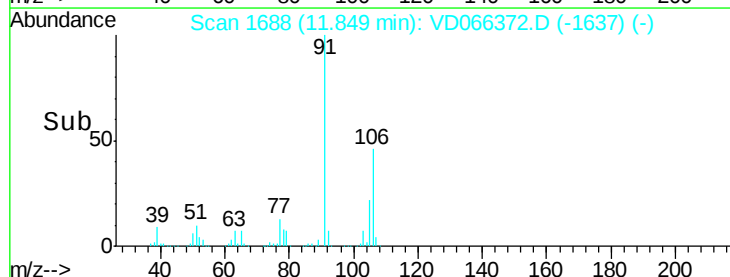
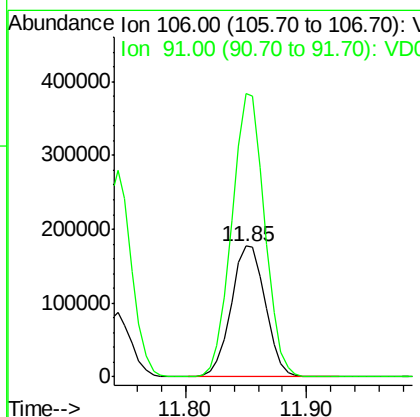
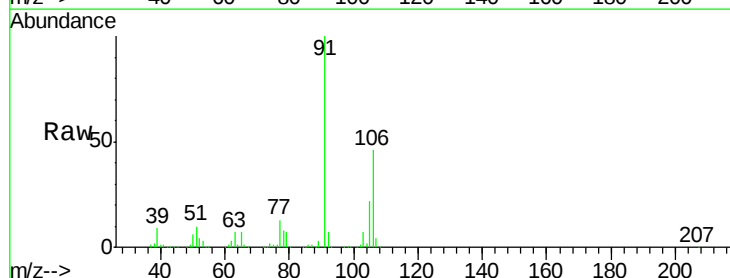
Manual Integrations
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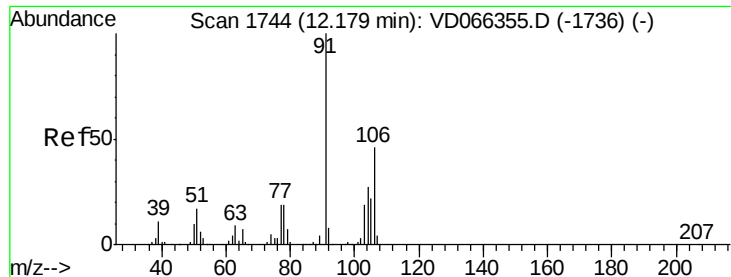
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#68
m/p-Xylenes
Concen: 103.107 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion: 106 Resp: 350552
Ion Ratio Lower Upper
106 100
91 207.4 160.7 241.1





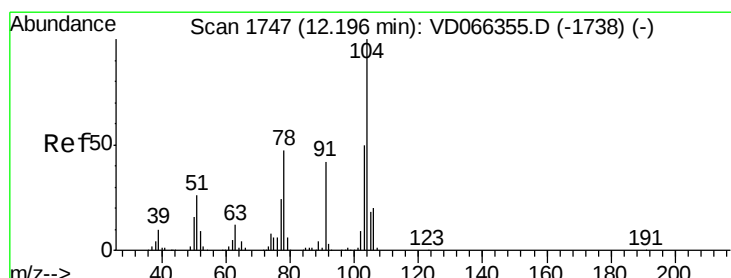
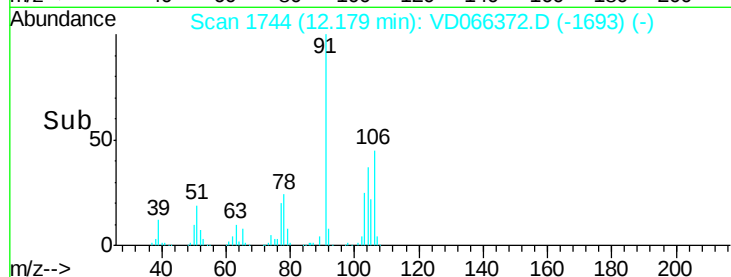
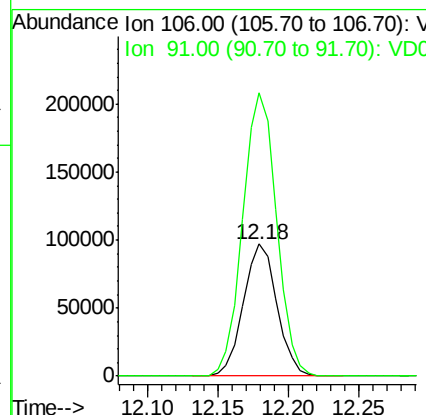
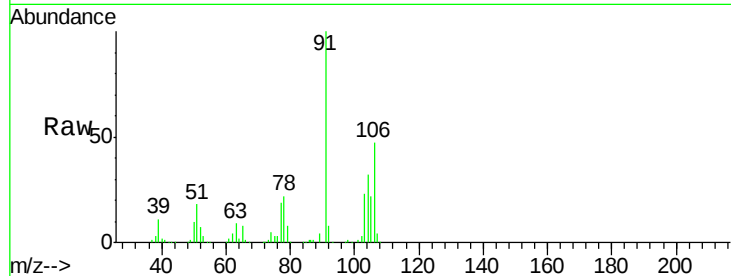
#69
o-Xylene
Concen: 50.955 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	161165		
91	216.6	109.1	327.3	

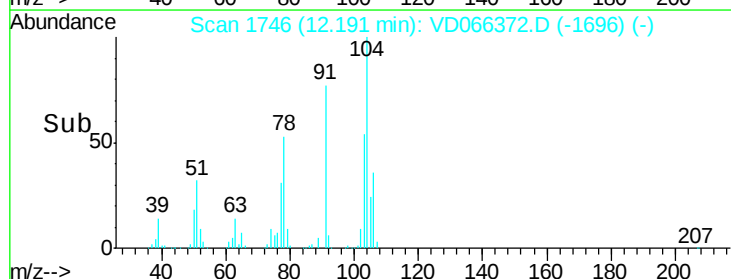
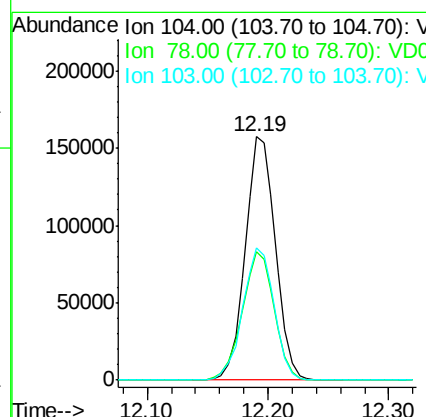
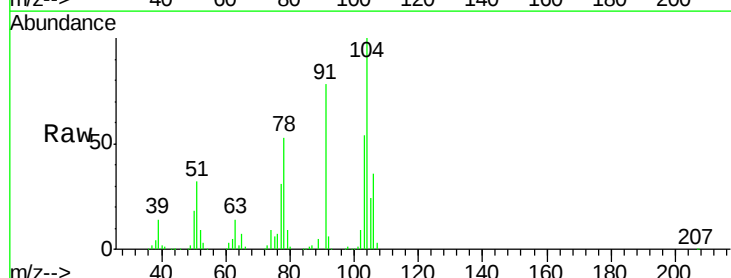
Manual Integrations
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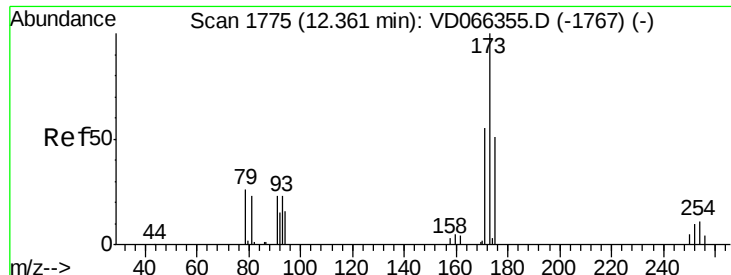
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#70
Styrene
Concen: 50.481 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	274155		
78	55.9	41.7	62.5	
103	56.4	43.5	65.3	





#71

Bromoform

Concen: 51.729 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 60777

Ion Ratio Lower Upper

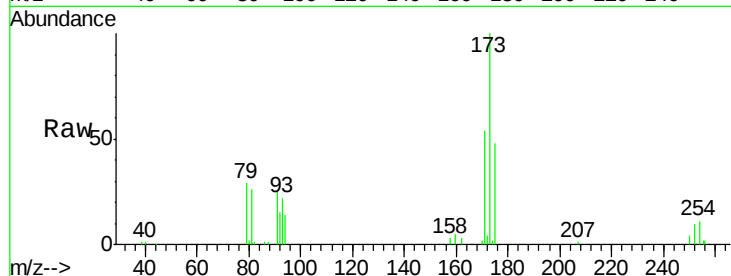
173 100

175 47.7 24.8 74.3

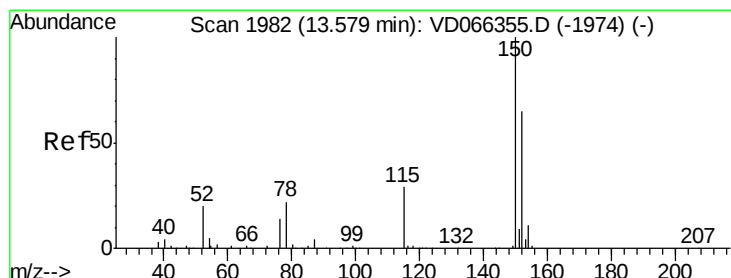
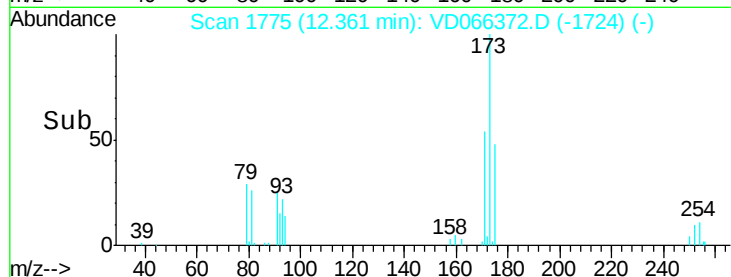
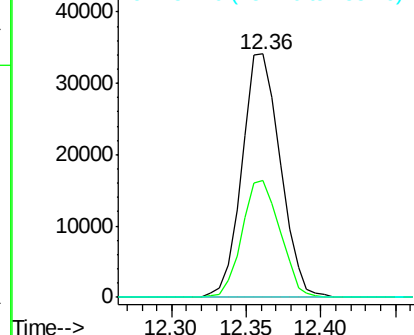
254 0.0 0.0 0.0

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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: VD066372.D

Acq: 24 Aug 2020 10:31

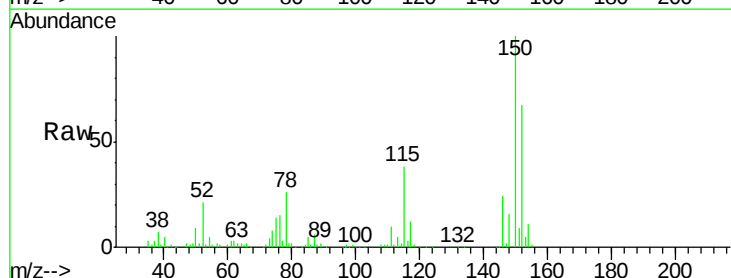
Tgt Ion:152 Resp: 133020

Ion Ratio Lower Upper

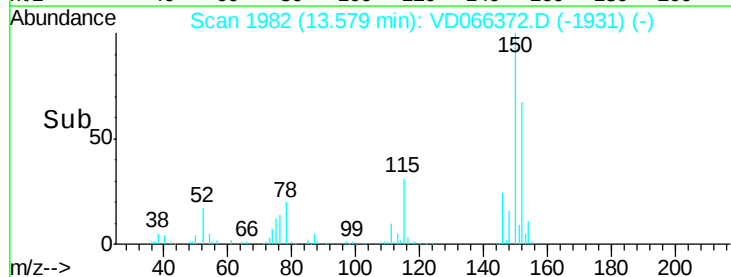
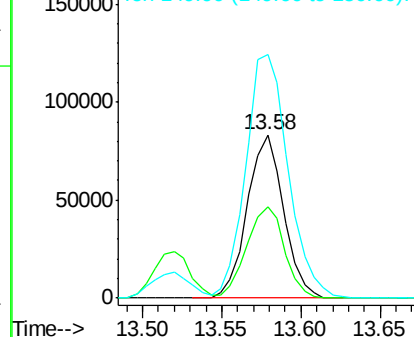
152 100

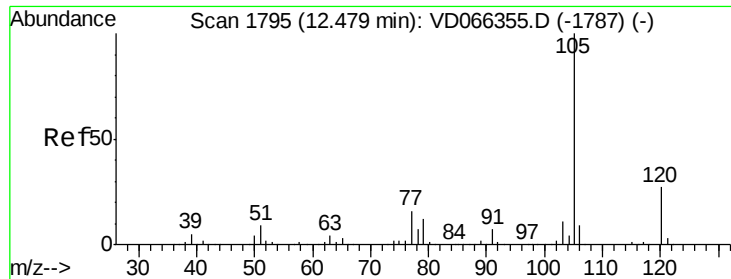
115 58.2 28.3 85.0

150 173.5 0.0 343.2



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





#73

Isopropylbenzene

Concen: 51.063 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 455019

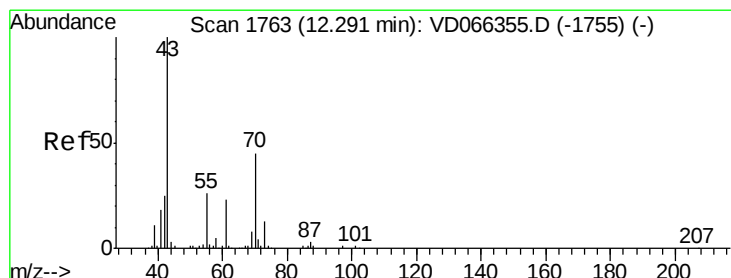
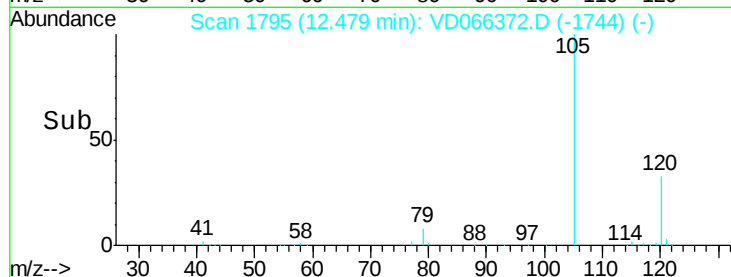
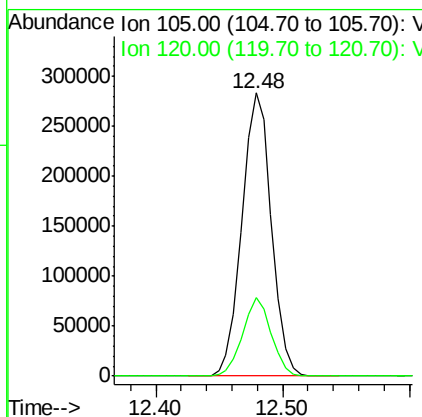
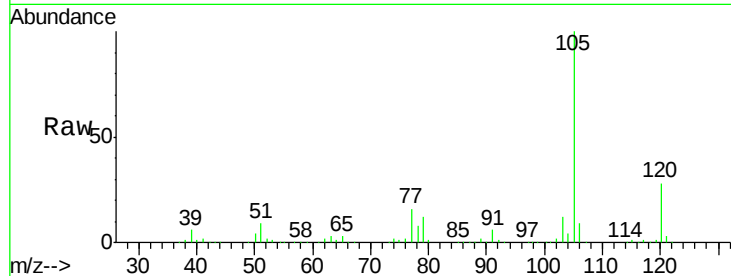
Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.8

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#74

N-ethyl acetate

Concen: 49.453 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Tgt Ion: 43 Resp: 79590

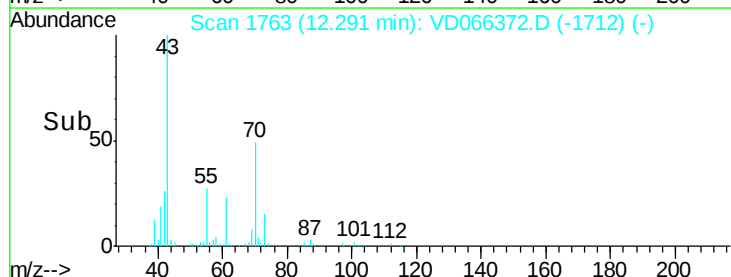
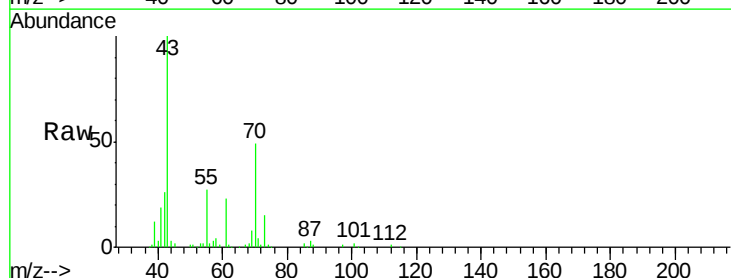
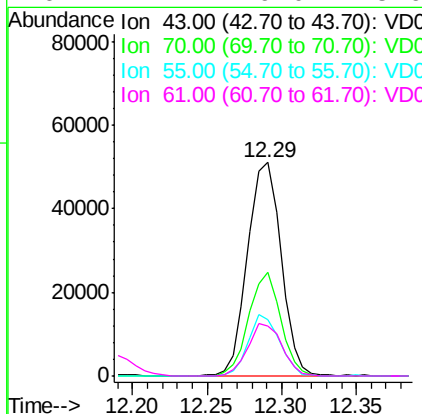
Ion Ratio Lower Upper

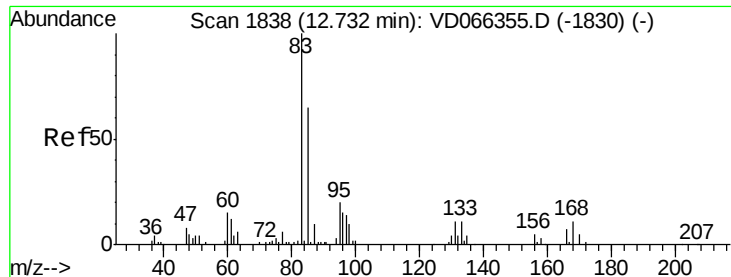
43 100

70 46.0 34.8 52.2

55 26.8 20.3 30.5

61 24.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.937 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

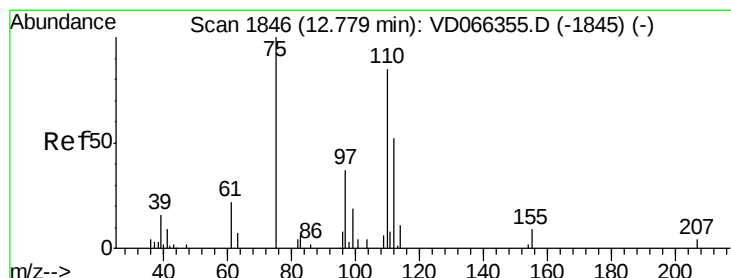
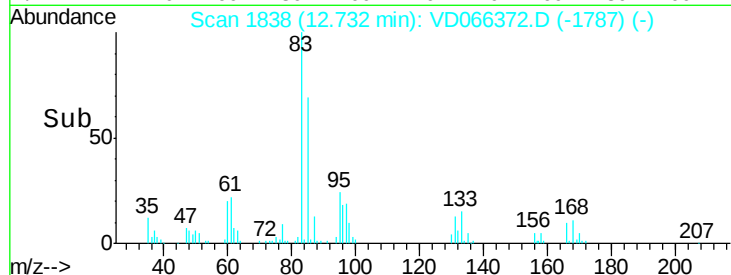
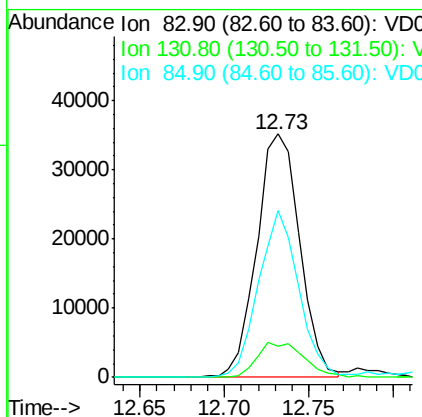
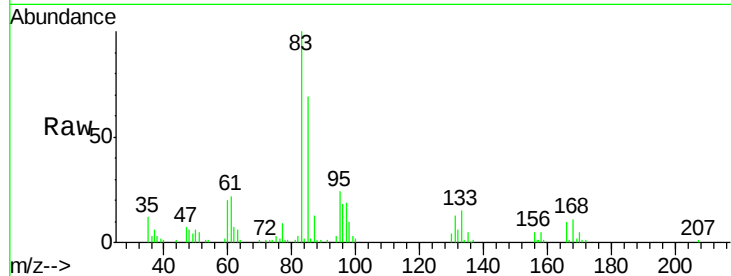
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	62294
Ion	Ratio	Lower	Upper
83	100		
131	15.6	7.0	20.9
85	64.0	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.402 ug/l m

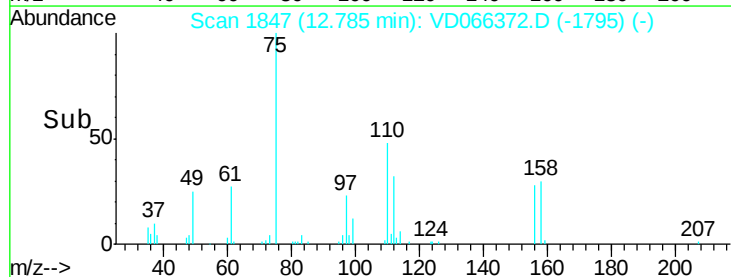
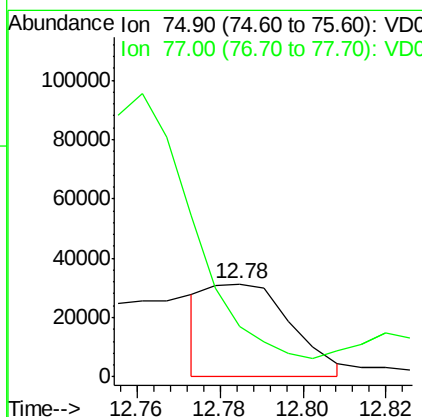
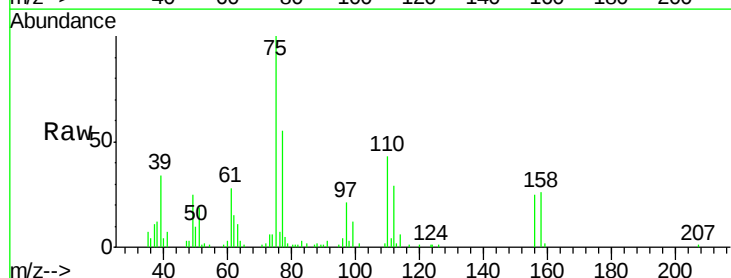
RT: 12.78 min Scan# 1847

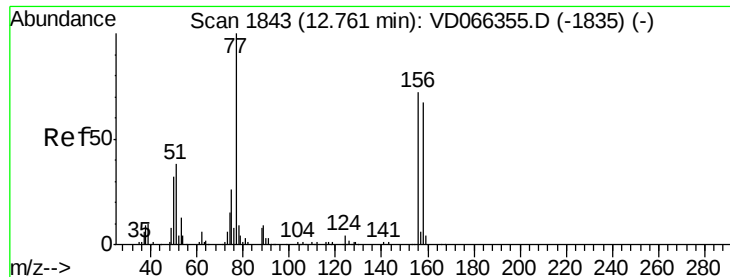
Delta R.T. 0.01 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Tgt Ion:	75	Resp:	44359
Ion	Ratio	Lower	Upper
75	100		
77	0.0	182.9	548.9#





#77

Bromobenzene

Concen: 52.452 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

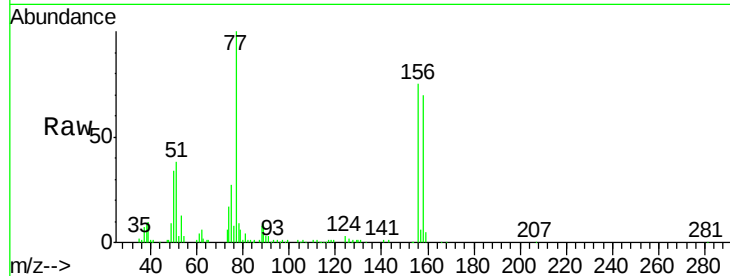
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.3	76.1	228.3
158	94.9	47.6	142.9

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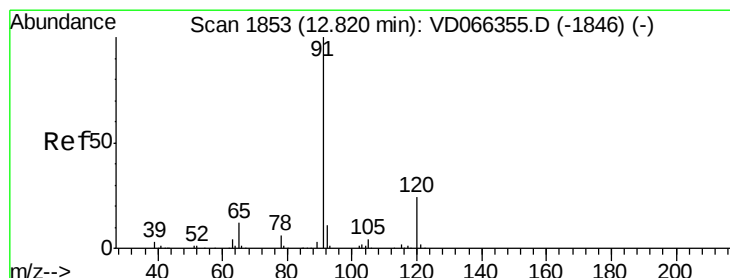
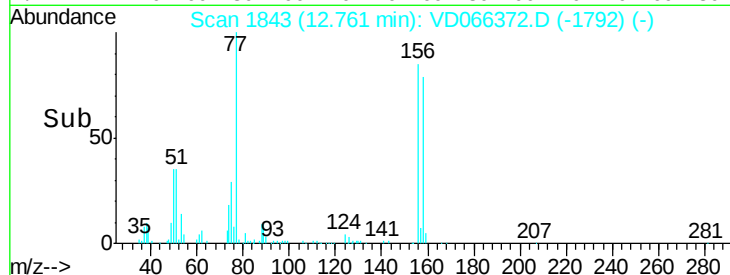
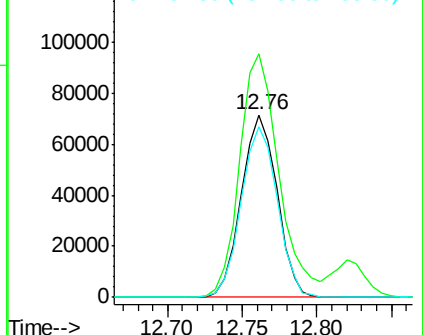
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.819 ug/l

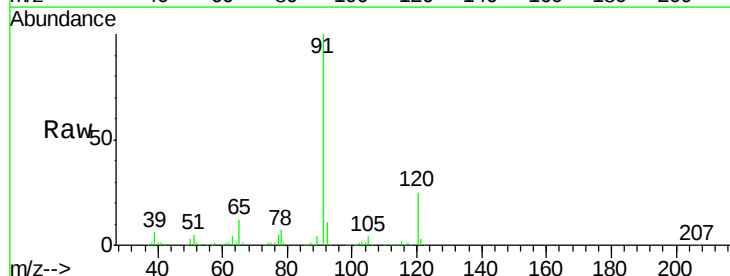
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066372.D

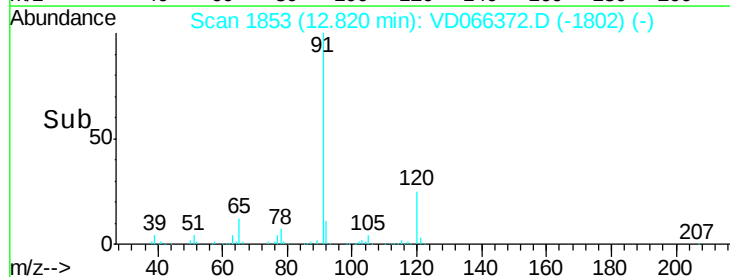
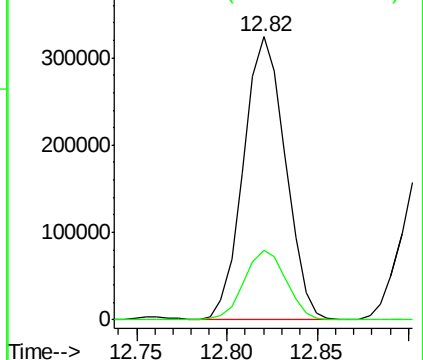
Acq: 24 Aug 2020 10:31

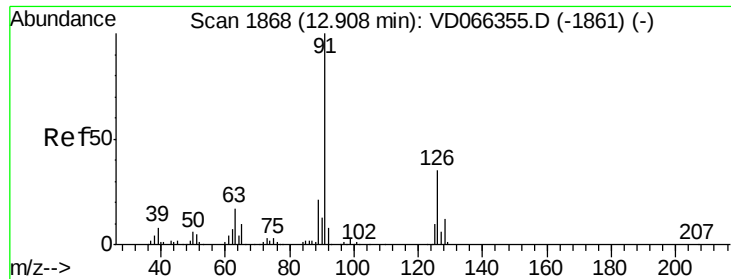
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.602 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 295287

Ion Ratio Lower Upper

91 100

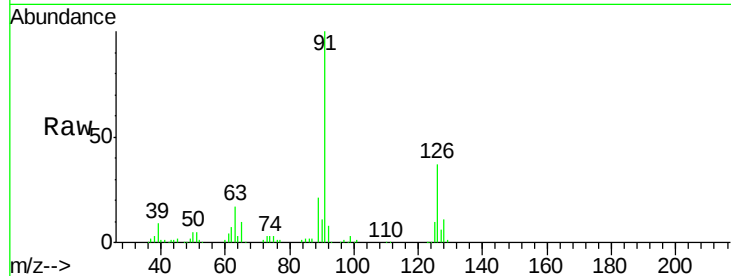
126 36.7 17.7 53.1

Manual Integrations

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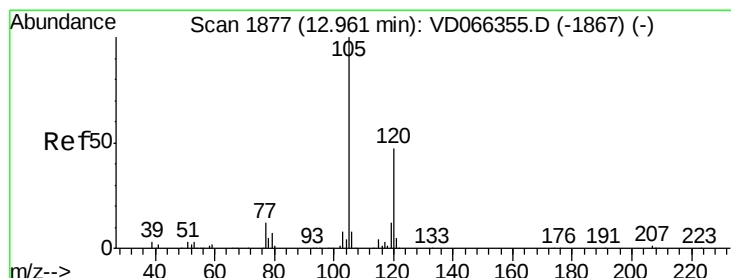
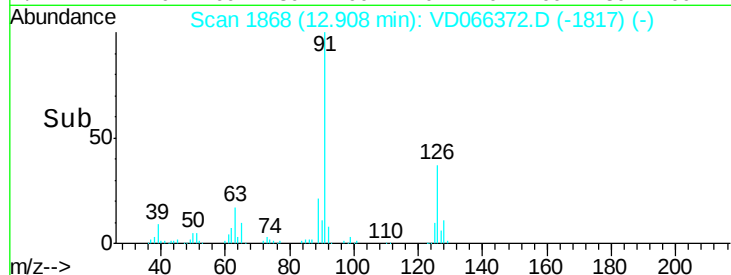
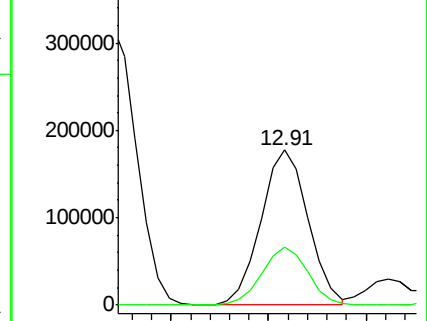
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Abundance Ion 91.00 (90.70 to 91.70): VD066355.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066355.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.314 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066372.D

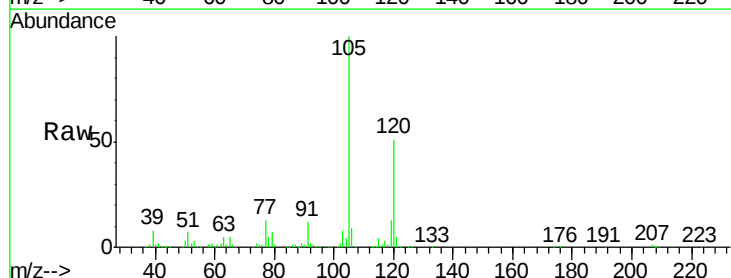
Acq: 24 Aug 2020 10:31

Tgt Ion:105 Resp: 394798

Ion Ratio Lower Upper

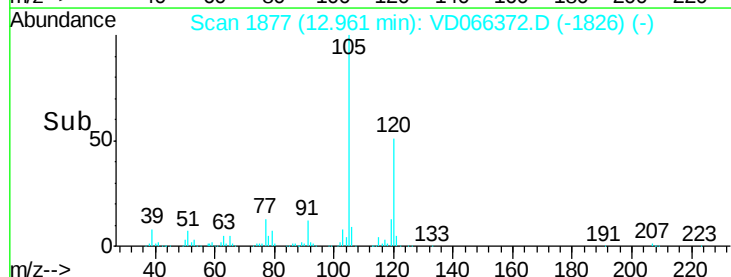
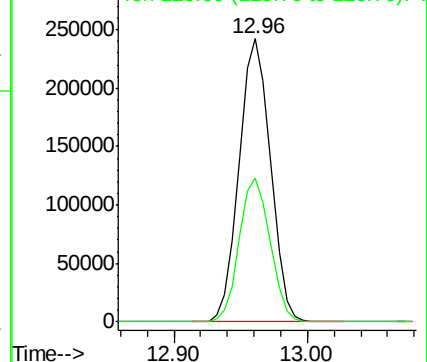
105 100

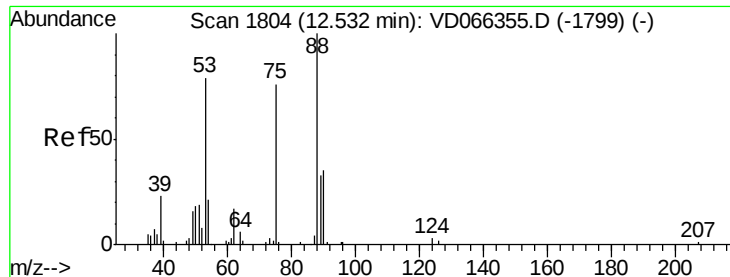
120 50.0 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VD066355.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD066355.D (-1867) (-)





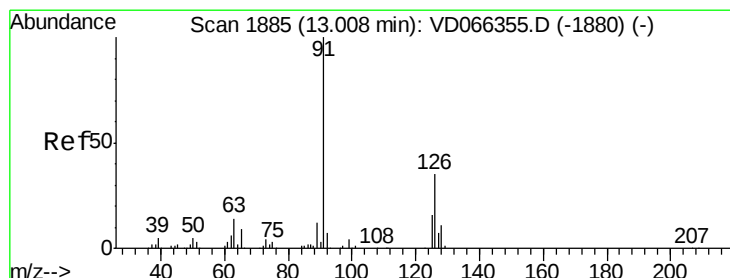
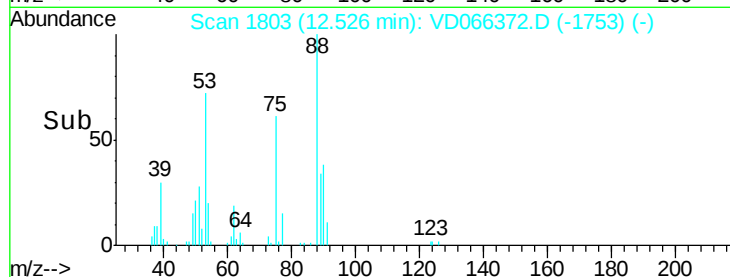
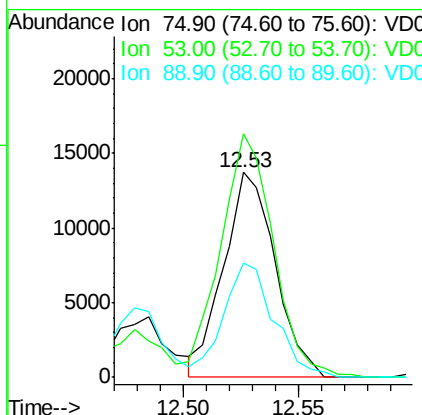
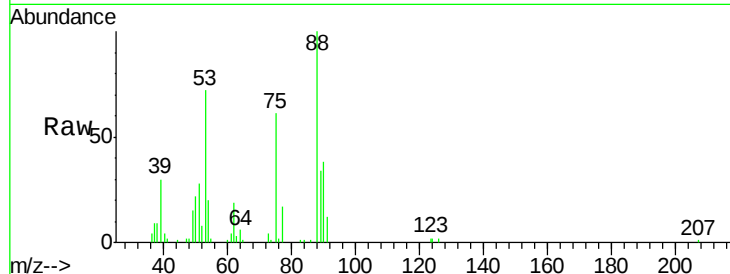
#81
trans-1,4-Dichloro-2-butene
Concen: 48.401 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.8	87.4	131.2
89	54.8	39.4	59.0

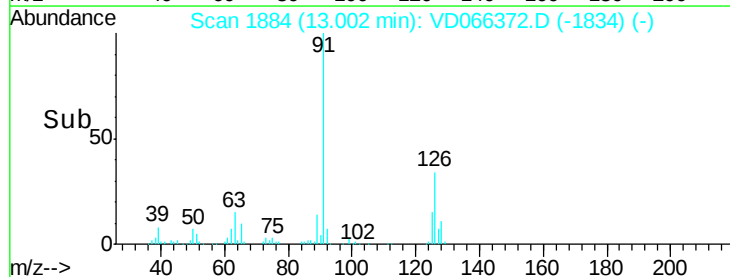
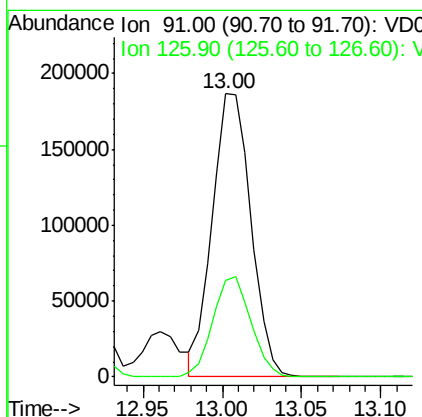
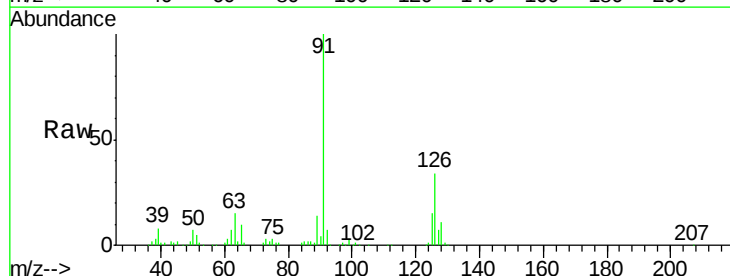
Manual Integrations
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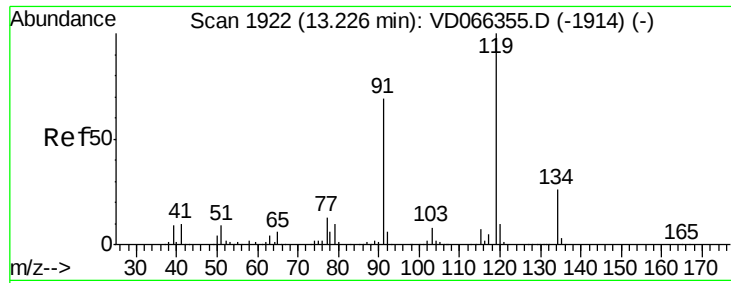
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#82
4-Chlorotoluene
Concen: 51.301 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.4	52.2





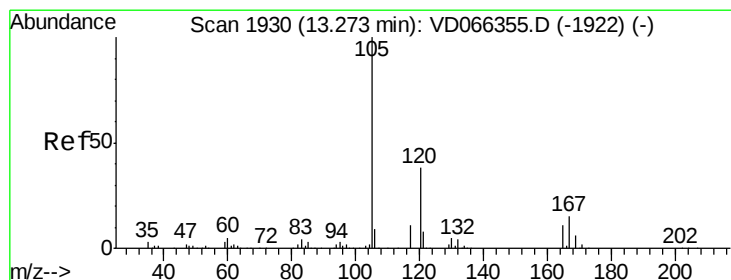
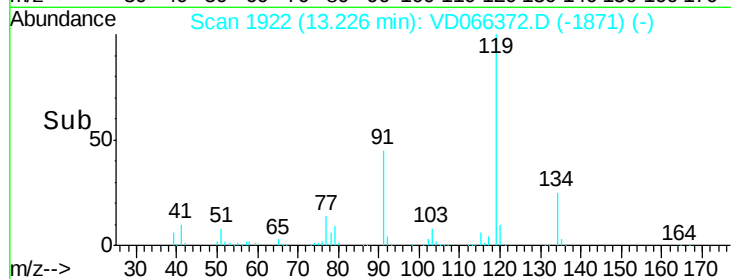
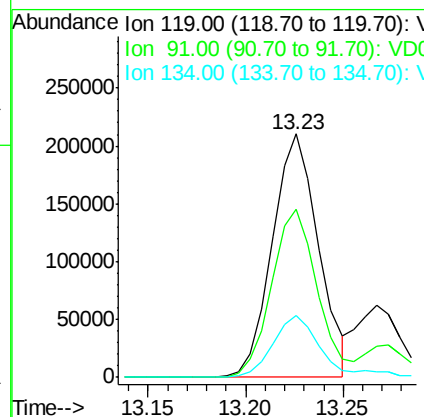
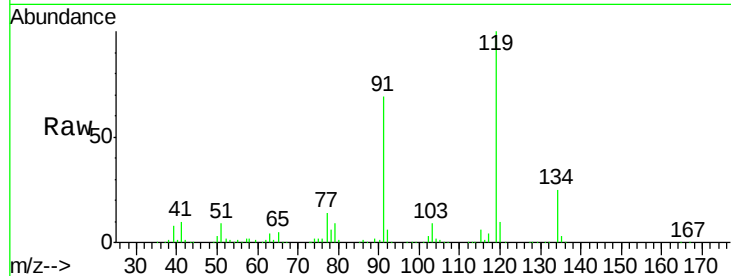
#83
tert-Butylbenzene
Concen: 51.476 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	344000		
91	68.8	33.5	100.5	
134	25.0	13.5	40.4	

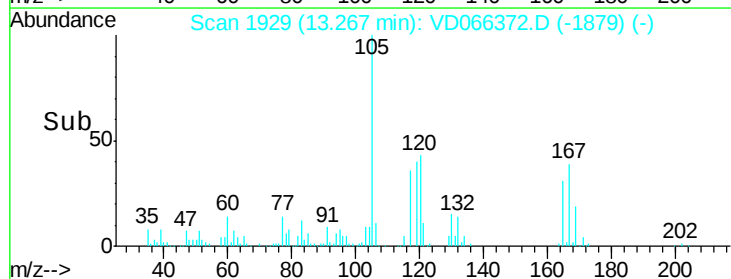
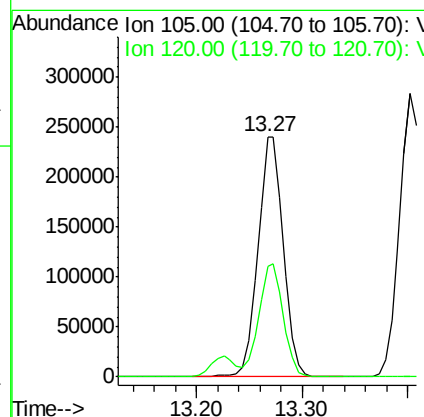
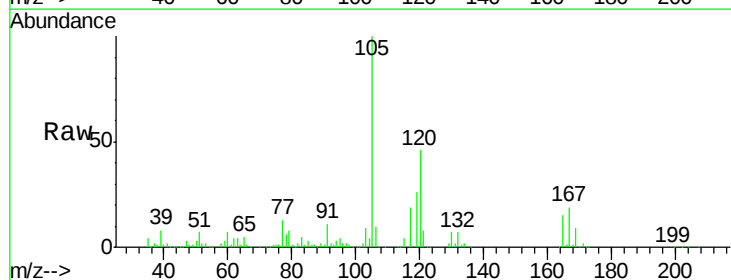
Manual Integrations
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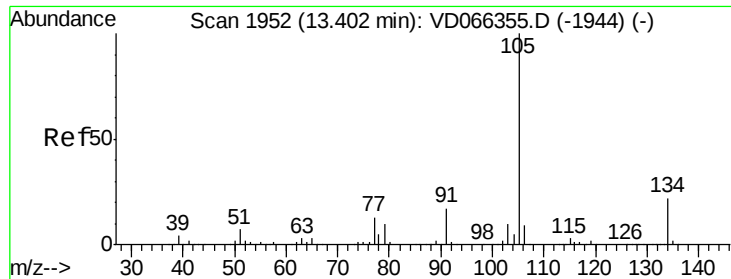
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#84
1,2,4-Trimethylbenzene
Concen: 53.110 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	401351		
120	45.2	22.6	67.7	





#85

sec-Butylbenzene

Concen: 50.700 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 443920

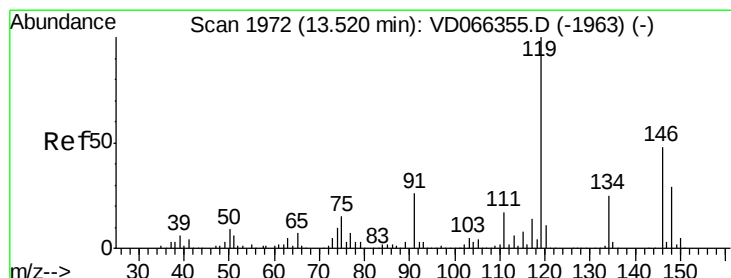
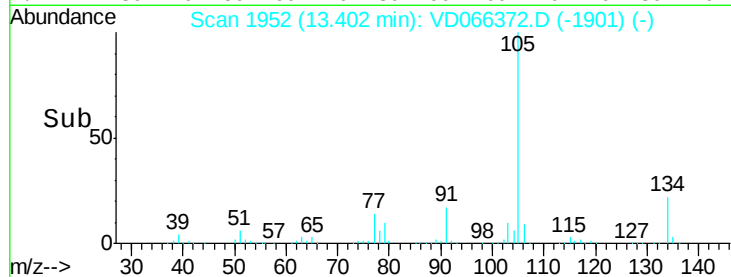
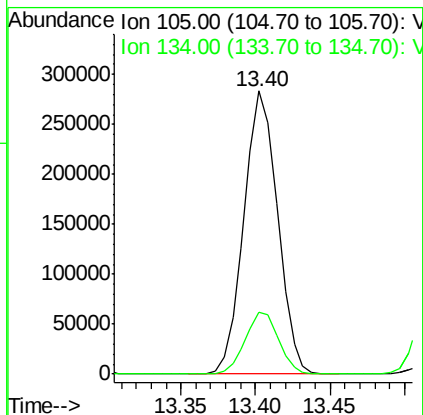
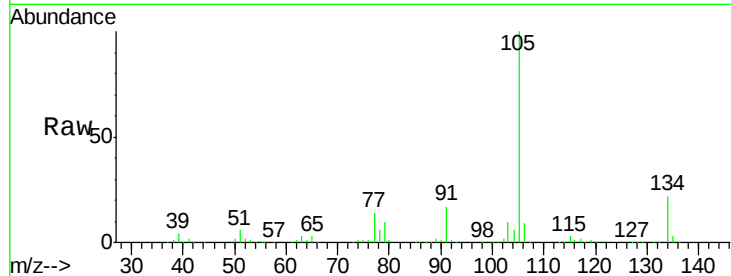
Ion Ratio Lower Upper

105 100

134 21.7 10.8 32.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 52.487 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066372.D

Acq: 24 Aug 2020 10:31

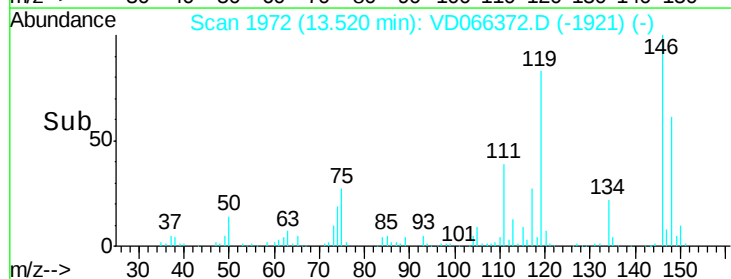
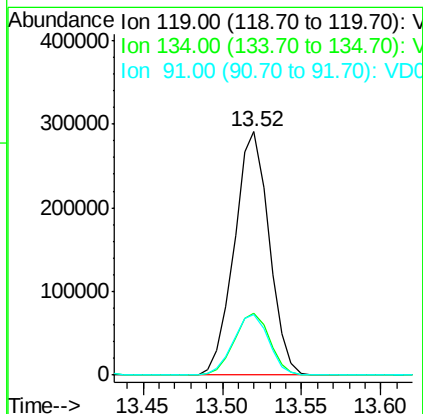
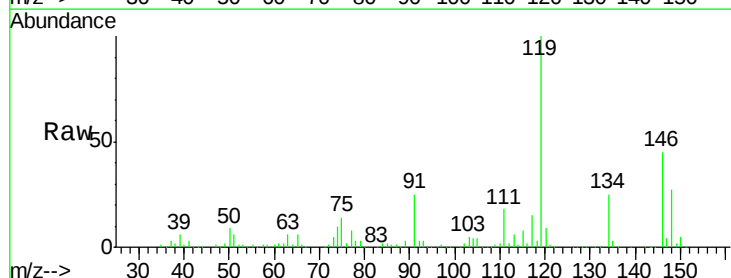
Tgt Ion:119 Resp: 443130

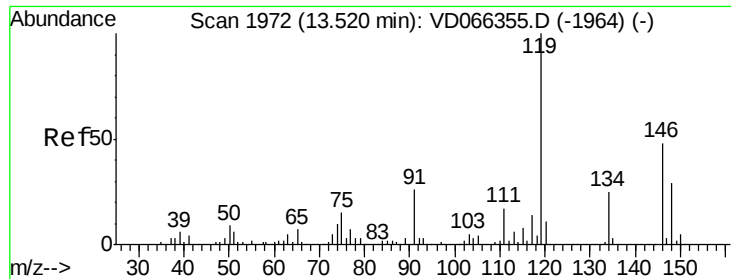
Ion Ratio Lower Upper

119 100

134 26.2 12.8 38.3

91 25.2 12.7 38.0





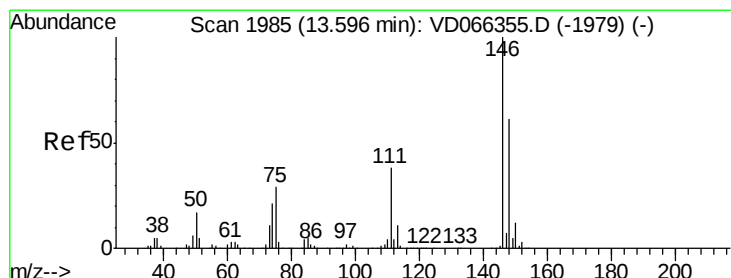
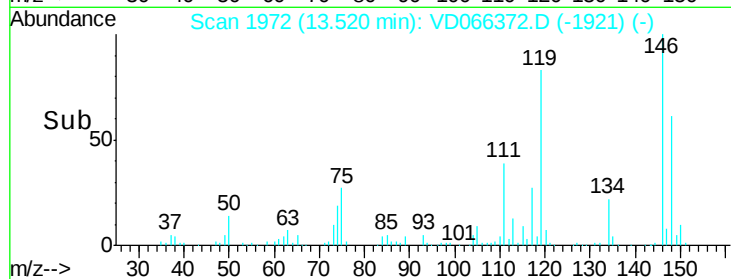
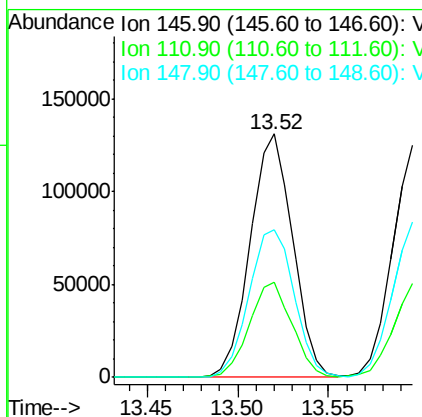
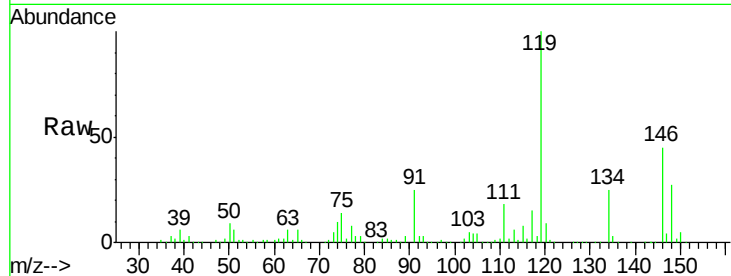
#87
 1,3-Dichlorobenzene
 Concen: 50.659 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	213875		
111	39.3	18.9	56.9	
148	64.6	31.8	95.3	

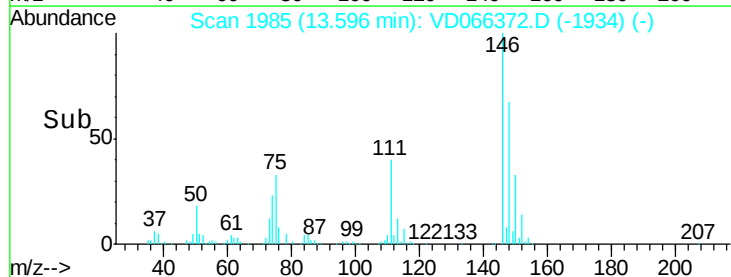
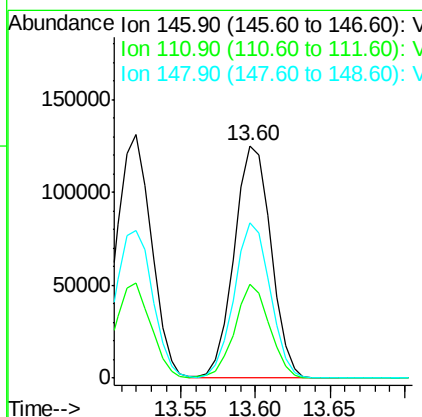
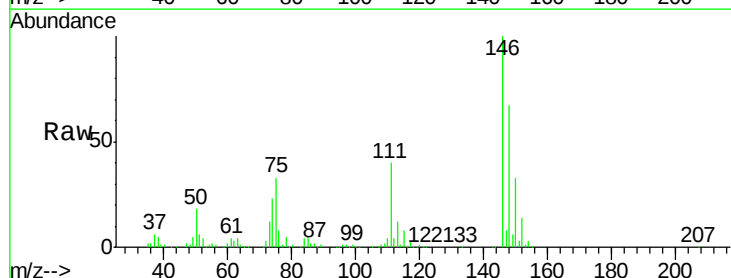
Manual Integrations
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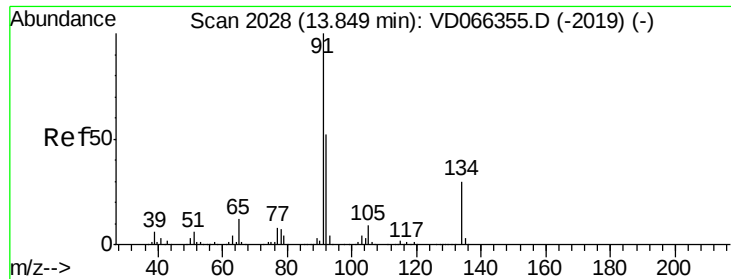
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#88
 1,4-Dichlorobenzene
 Concen: 50.785 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	215281		
111	38.1	19.1	57.5	
148	65.4	32.1	96.3	





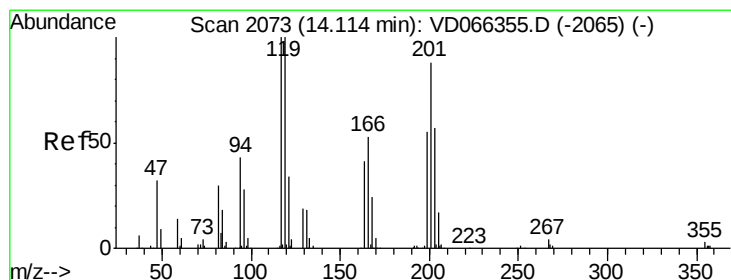
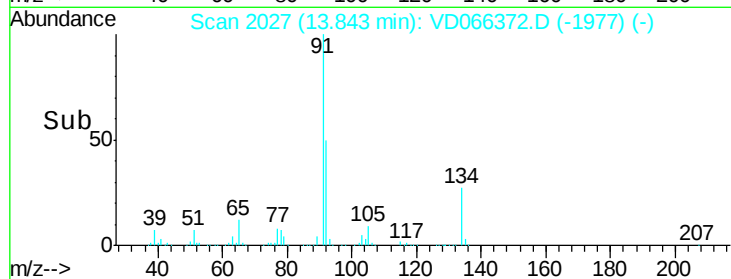
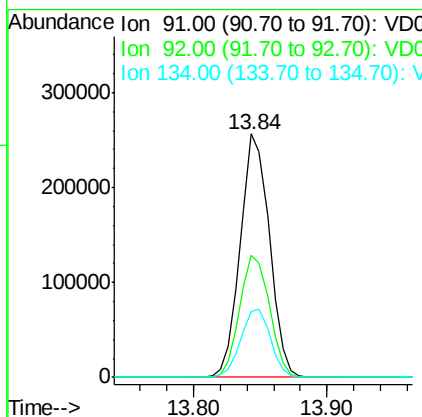
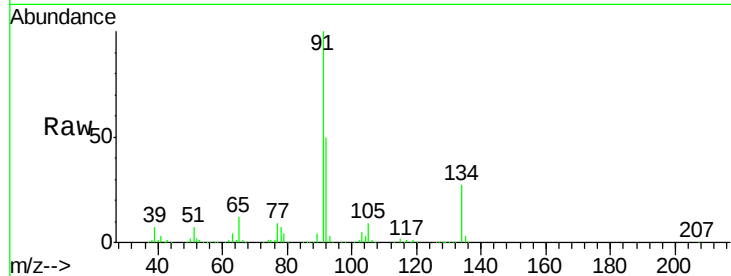
#89
n-Butylbenzene
Concen: 52.069 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.4	26.4	79.0	
134	28.4	14.4	43.4	

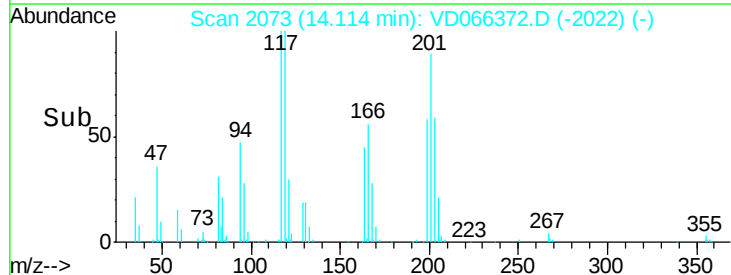
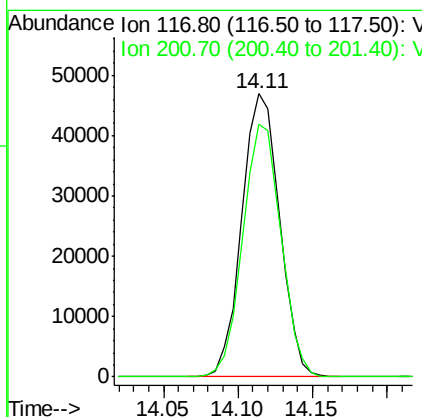
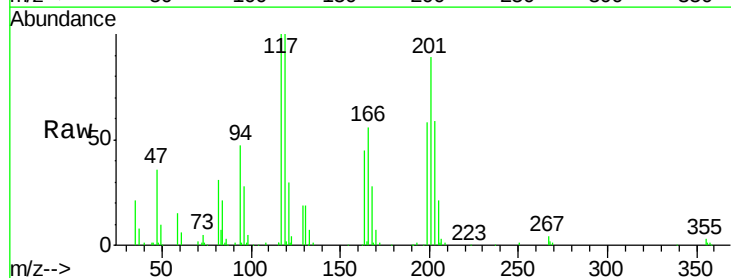
Manual Integrations
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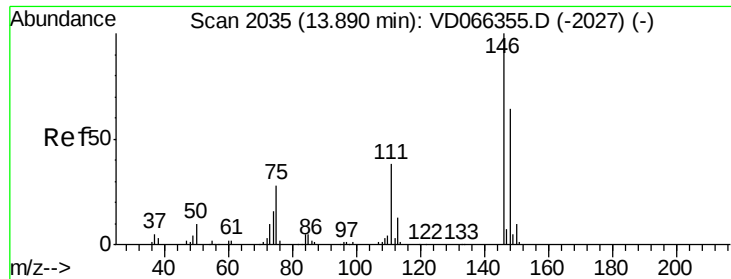
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#90
Hexachloroethane
Concen: 49.199 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	90.4	45.4	136.2	





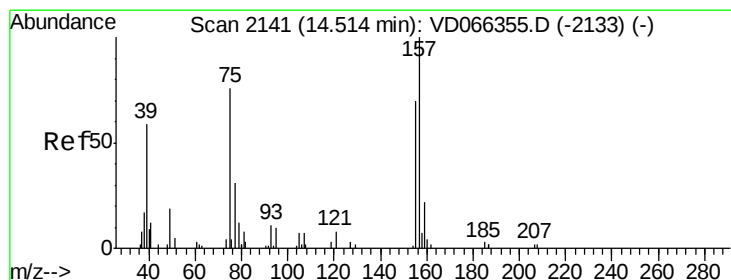
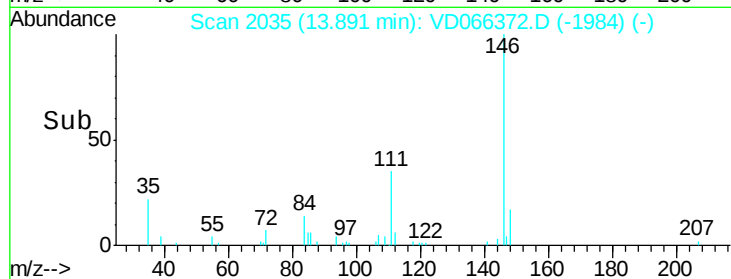
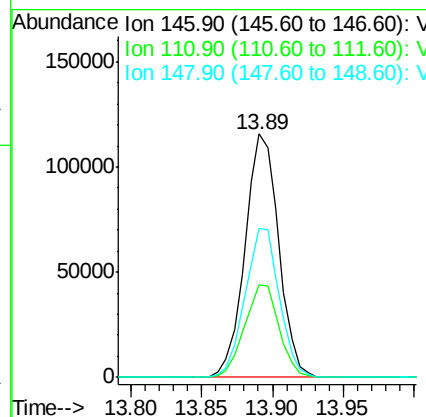
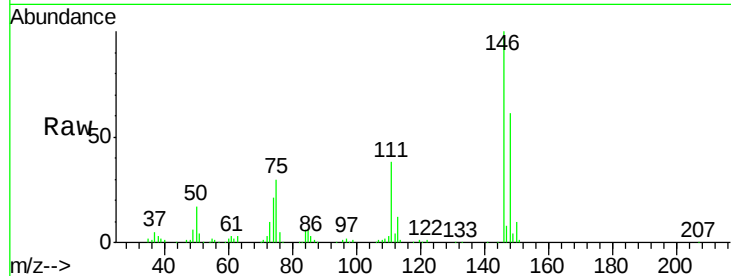
#91
 1,2-Dichlorobenzene
 Concen: 53.102 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	192997		
111	38.9	19.9	59.7	
148	62.5	32.6	97.8	

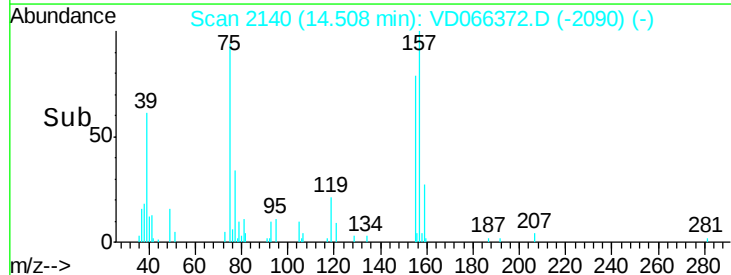
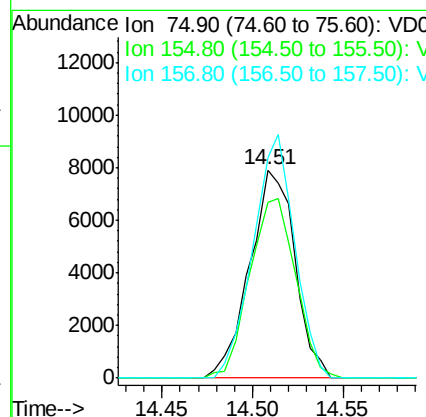
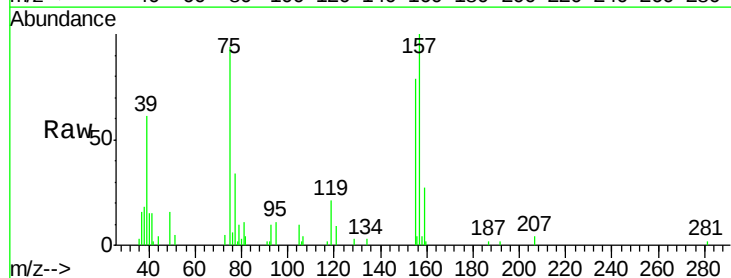
Manual Integrations
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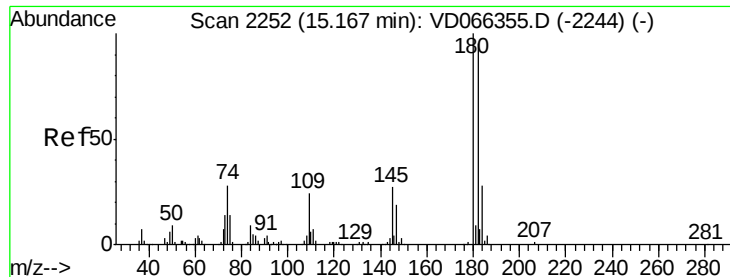
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.307 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13698		
155	88.0	46.9	140.6	
157	107.7	61.0	183.0	





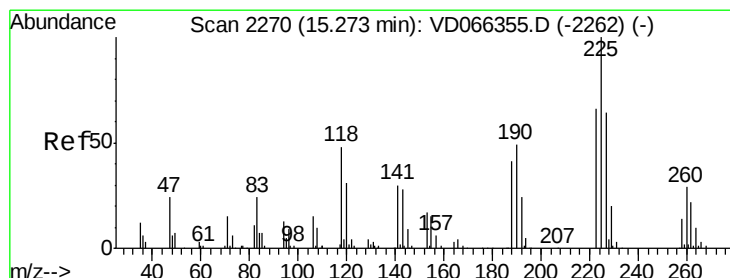
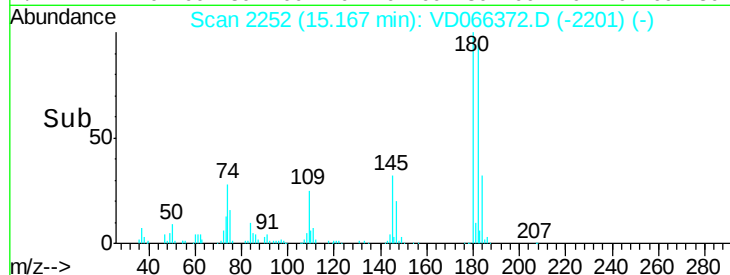
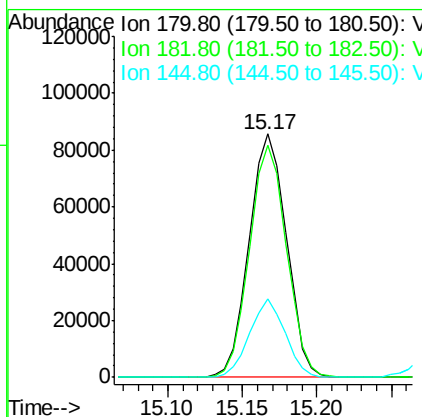
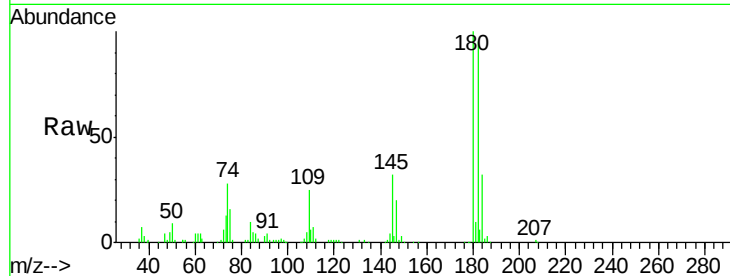
#93
 1,2,4-Trichlorobenzene
 Concen: 52.295 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	148380
Ion Ratio	Lower	Upper	
180	100		
182	94.4	48.0	144.0
145	30.6	15.2	45.6

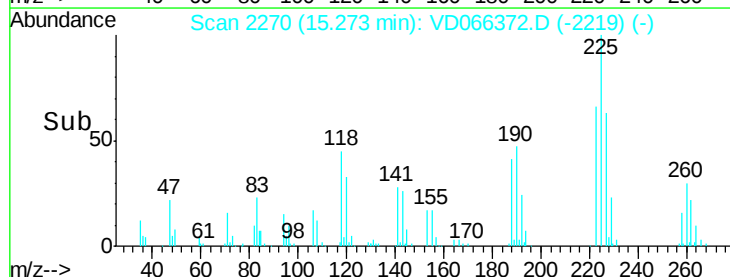
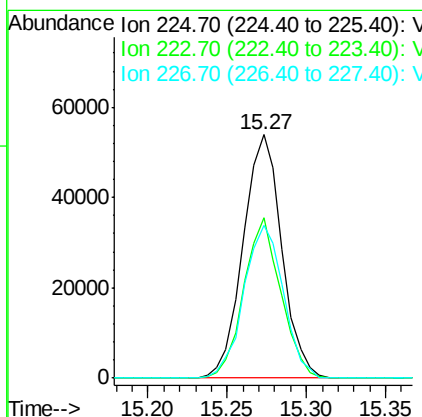
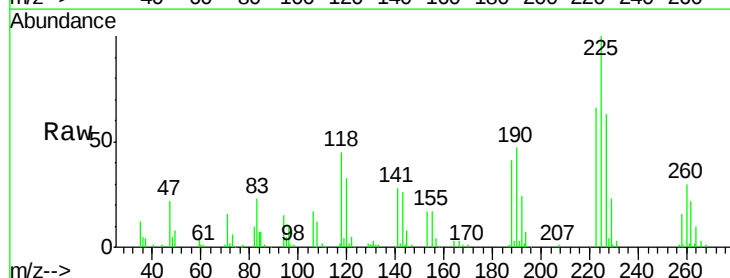
Manual Integrations
 APPROVED

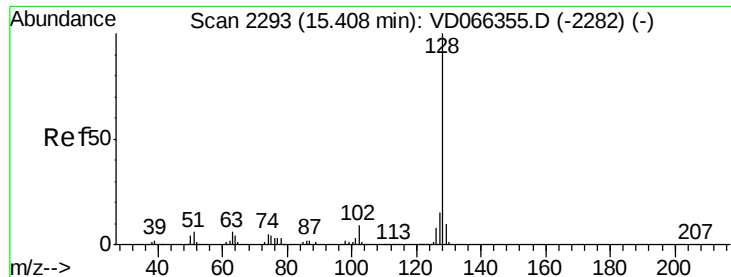
MMDadoda
 8/25/2020 3:32:51 PM



#94
 Hexachlorobutadiene
 Concen: 51.824 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066372.D
 Acq: 24 Aug 2020 10:31

Tgt Ion:	225	Resp:	91378
Ion Ratio	Lower	Upper	
225	100		
223	62.9	32.5	97.4
227	64.3	33.0	98.9





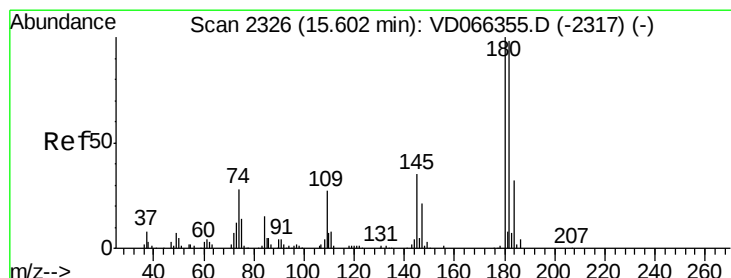
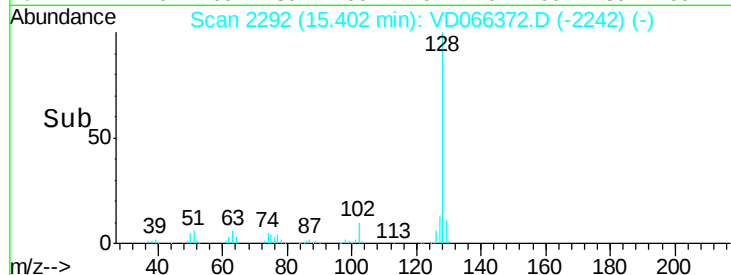
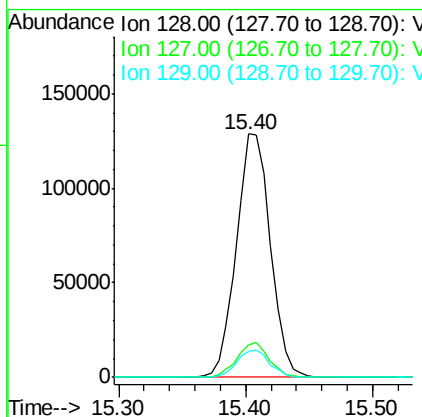
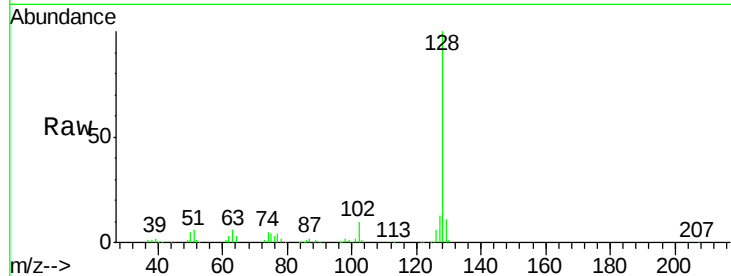
#95
Naphthalene
Concen: 53.660 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	239133		
127	13.5	10.7	16.1	
129	10.6	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
8/25/2020 3:32:51 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.457 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066372.D
Acq: 24 Aug 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	132363		
182	90.8	46.7	140.0	
145	31.7	16.0	48.0	

