

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073020\
 Data File : VD066101.D
 Acq On : 30 Jul 2020 10:06
 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
 7/31/2020 11:56:10 AM

Quant Time: Jul 31 02:48:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	235652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	320987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	296030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168843	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	100147	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.91	113	101380	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.34	98	391839	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
62) 4-Bromofluorobenzene	12.64	95	133832	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77661	43.426	ug/l	97
3) Chloromethane	2.21	50	58493	40.079	ug/l	95
4) Vinyl Chloride	2.35	62	65937	47.443	ug/l	98
5) Bromomethane	2.77	94	48982	50.126	ug/l	98
6) Chloroethane	2.92	64	40639	48.984	ug/l	91
7) Trichlorofluoromethane	3.27	101	175103	51.798	ug/l	99
8) Diethyl Ether	3.70	74	40297	43.126	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	100851	49.408	ug/l	97
10) Methyl Iodide	4.30	142	98311	48.089	ug/l	91
11) Tert butyl alcohol	5.22	59	24838	200.526	ug/l #	87
12) 1,1-Dichloroethene	4.07	96	92245	47.344	ug/l	95
13) Acrolein	3.92	56	27364	169.382	ug/l	96
14) Allyl chloride	4.71	41	127625	41.904	ug/l	86
15) Acrylonitrile	5.41	53	87397	218.933	ug/l	98
16) Acetone	4.15	43	112275	289.276	ug/l	99
17) Carbon Disulfide	4.41	76	254670	40.295	ug/l	97
18) Methyl Acetate	4.71	43	36690	40.636	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	197705	49.387	ug/l	98
20) Methylene Chloride	4.97	84	97116	44.953	ug/l	87
21) trans-1,2-Dichloroethene	5.47	96	104632	47.515	ug/l	98
22) Diisopropyl ether	6.36	45	260819	45.076	ug/l	96
23) Vinyl Acetate	6.30	43	762039	233.520	ug/l	95
24) 1,1-Dichloroethane	6.26	63	166928	47.613	ug/l	96
25) 2-Butanone	7.21	43	120335	233.656	ug/l	92
26) 2,2-Dichloropropane	7.21	77	167304	53.066	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	110650	47.458	ug/l	98
28) Bromochloromethane	7.54	49	71019	47.727	ug/l	90
29) Tetrahydrofuran	7.56	42	68797	216.504	ug/l	92
30) Chloroform	7.71	83	187731	51.190	ug/l	92
31) Cyclohexane	7.98	56	145171	42.088	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	181944	53.634	ug/l	99
36) 1,1-Dichloropropene	8.11	75	148471	54.197	ug/l	99
37) Ethyl Acetate	7.29	43	50572	48.338	ug/l	98
38) Carbon Tetrachloride	8.09	117	177333	59.659	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	175442	52.884	ug/l	100
40) Benzene	8.35	78	391046	51.023	ug/l	100
41) Methacrylonitrile	7.52	41	28372m	47.340	ug/l	
42) 1,2-Dichloroethane	8.42	62	116856	55.642	ug/l	100
43) Isopropyl Acetate	8.45	43	99667	48.776	ug/l	99
44) Trichloroethene	9.11	130	121709	52.478	ug/l	95
45) 1,2-Dichloropropane	9.38	63	92779	49.984	ug/l	97
46) Dibromomethane	9.47	93	51629	51.668	ug/l	95
47) Bromodichloromethane	9.66	83	142017	53.752	ug/l	98
48) Methyl methacrylate	9.46	41	46081	44.707	ug/l #	84
49) 1,4-Dioxane	9.46	88	11896	1027.577	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	254469	247.160	ug/l	98
52) Toluene	10.40	92	273420	54.705	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	136041	55.267	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	152427	51.085	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	74524	52.586	ug/l	96
56) Ethyl methacrylate	10.66	69	89849	54.531	ug/l	94
57) 1,3-Dichloropropane	10.95	76	122263	52.114	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	190562	242.105	ug/l	97
59) 2-Hexanone	10.98	43	199162	279.142	ug/l	98
60) Dibromochloromethane	11.14	129	104055	54.456	ug/l	98
61) 1,2-Dibromoethane	11.25	107	73173	53.551	ug/l	99
64) Tetrachloroethene	10.88	164	111444	55.465	ug/l	93
65) Chlorobenzene	11.67	112	294151	54.270	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	115235	57.579	ug/l	98
67) Ethyl Benzene	11.75	91	526602	56.456	ug/l	100
68) m/p-Xylenes	11.86	106	401783	112.068	ug/l	96
69) o-Xylene	12.18	106	185586	56.914	ug/l	97
70) Styrene	12.20	104	331904	59.241	ug/l	99
71) Bromoform	12.37	173	68435	58.376	ug/l #	96
73) Isopropylbenzene	12.48	105	538076	52.666	ug/l	99
74) N-amyl acetate	12.29	43	98090	46.305	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	78942	46.754	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	60639m	47.698	ug/l	
77) Bromobenzene	12.77	156	130589	50.015	ug/l	95
78) n-propylbenzene	12.83	91	623361	52.580	ug/l	100
79) 2-Chlorotoluene	12.91	91	344295	50.833	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	456513	54.387	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	27532	49.694	ug/l	99
82) 4-Chlorotoluene	13.01	91	362045	50.642	ug/l	100
83) tert-Butylbenzene	13.23	119	394455	53.703	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	447688	54.061	ug/l	97
85) sec-Butylbenzene	13.41	105	550206	54.384	ug/l	100
86) p-Isopropyltoluene	13.53	119	511721	55.674	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	251249	51.829	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	255063	52.047	ug/l	98
89) n-Butylbenzene	13.85	91	469550	54.941	ug/l	99
90) Hexachloroethane	14.12	117	98777	51.913	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	218308	51.970	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13682	49.444	ug/l	96

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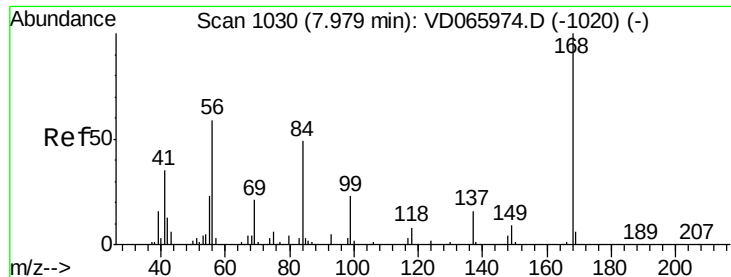
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	166043	55.068	ug/l	98
94) Hexachlorobutadiene	15.28	225	106863	57.327	ug/l	99
95) Naphthalene	15.41	128	257866	48.227	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	140100	53.448	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 235652

Ion Ratio Lower Upper

168 100

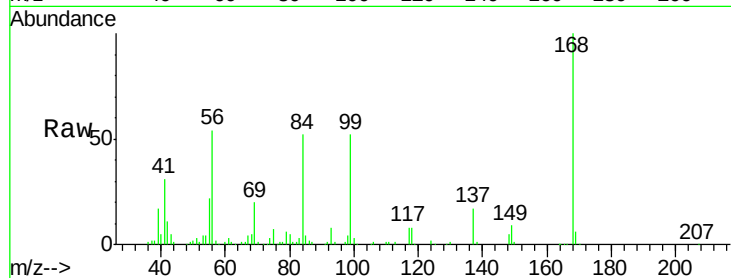
99 51.9 40.8 61.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

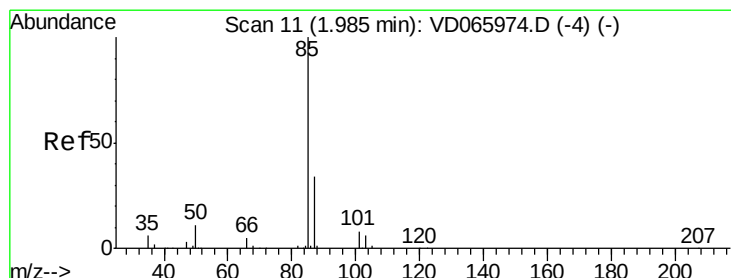
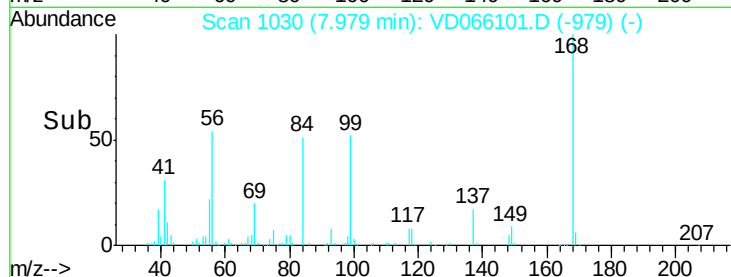
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.426 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066101.D

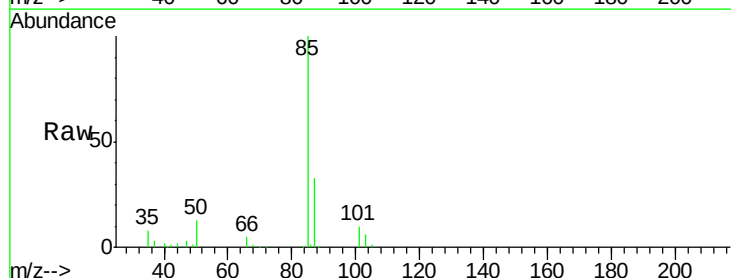
Acq: 30 Jul 2020 10:06

Tgt Ion: 85 Resp: 77661

Ion Ratio Lower Upper

85 100

87 32.8 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

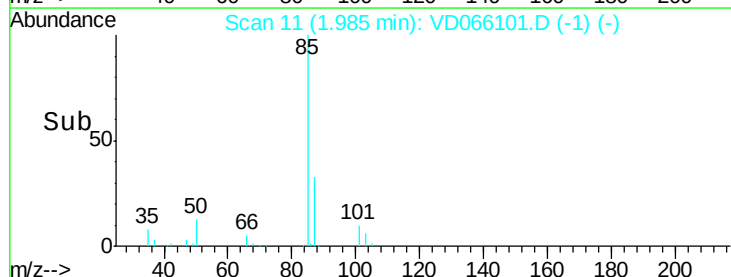
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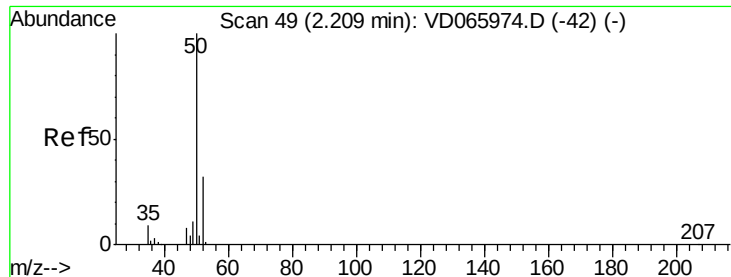
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 40.079 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 58493

Ion Ratio Lower Upper

50 100

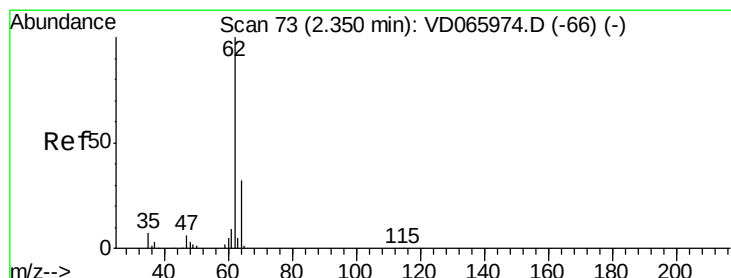
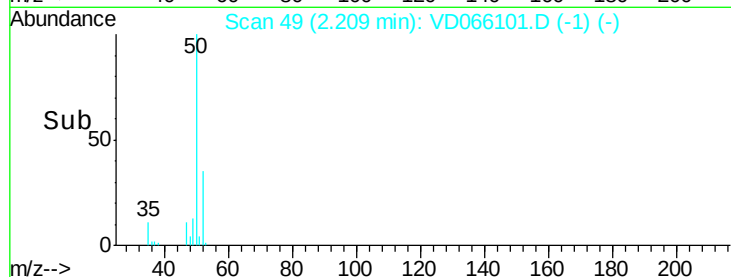
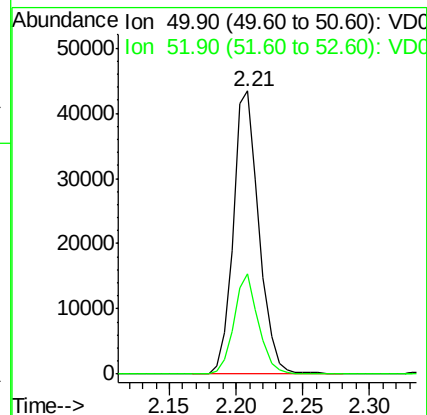
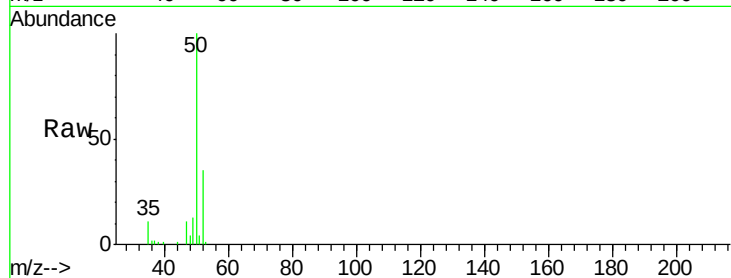
52 35.3 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.443 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066101.D

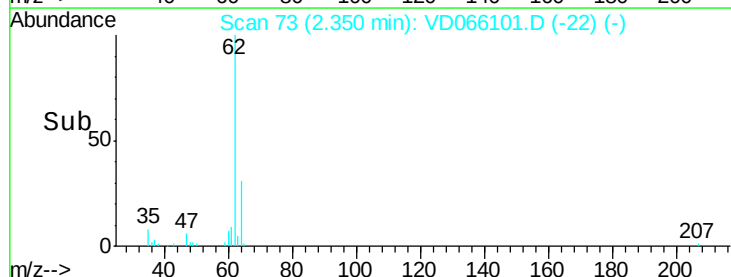
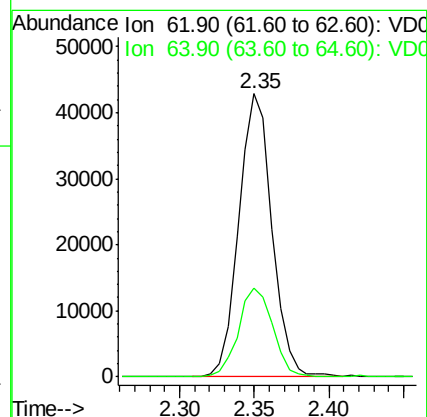
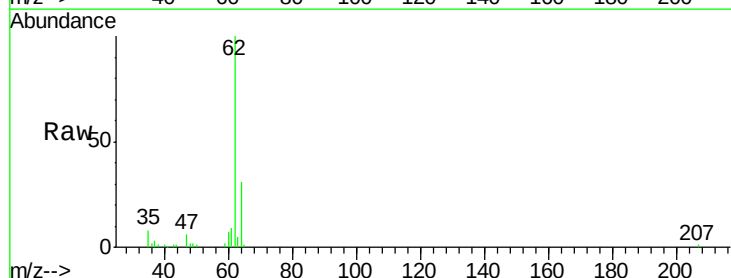
Acq: 30 Jul 2020 10:06

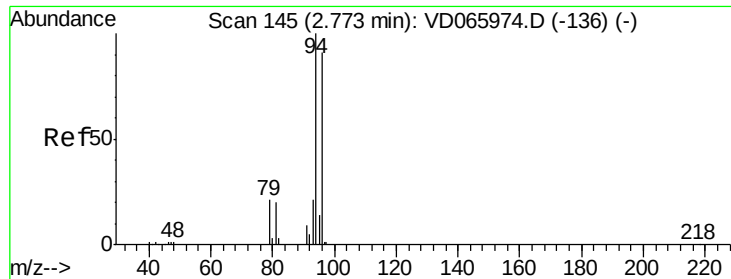
Tgt Ion: 62 Resp: 65937

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8





#5

Bromomethane

Concen: 50.126 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 48982

Ion Ratio Lower Upper

94 100

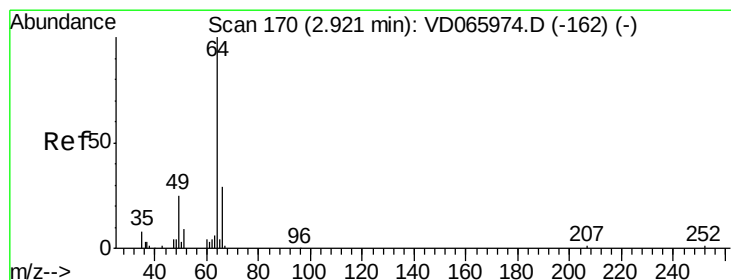
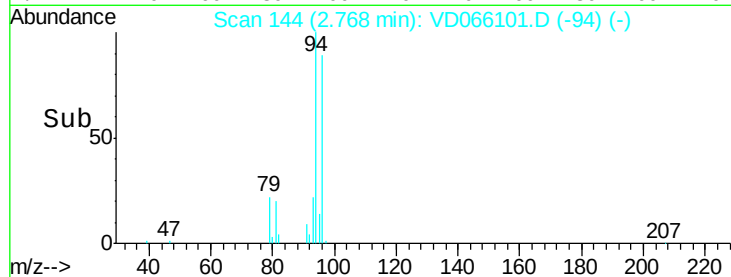
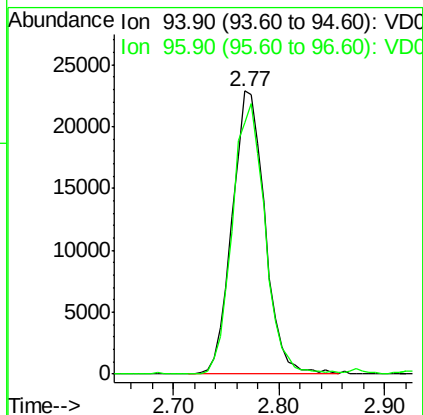
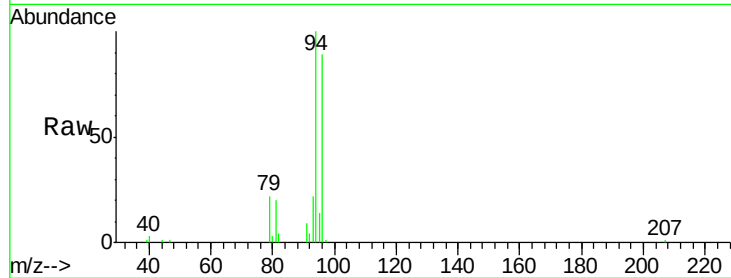
96 88.8 73.0 109.4

Manual Integrations

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#6

Chloroethane

Concen: 48.984 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066101.D

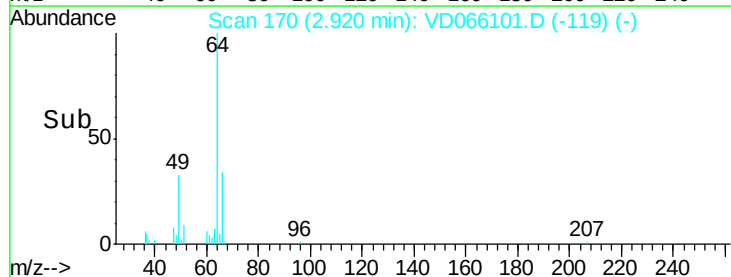
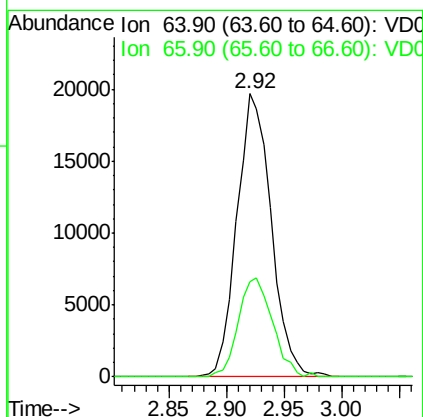
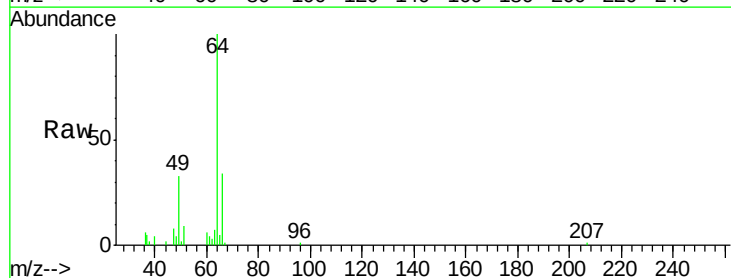
Acq: 30 Jul 2020 10:06

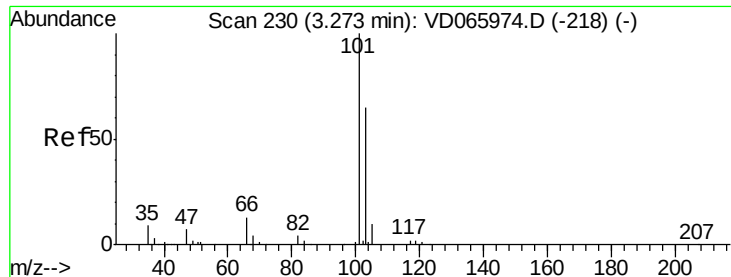
Tgt Ion: 64 Resp: 40639

Ion Ratio Lower Upper

64 100

66 33.8 23.4 35.0





#7

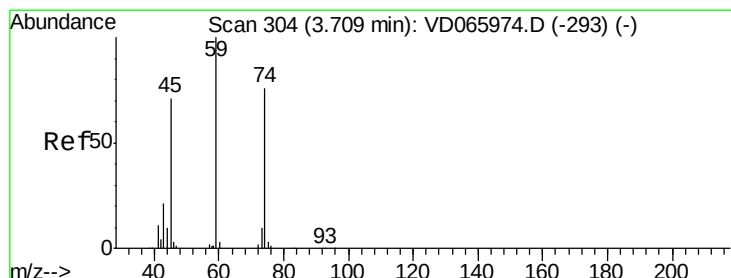
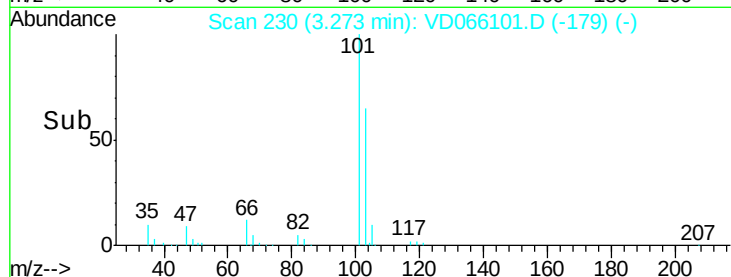
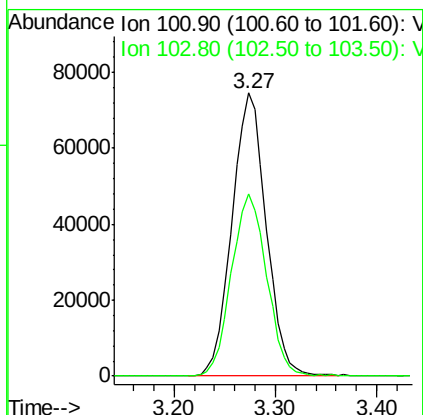
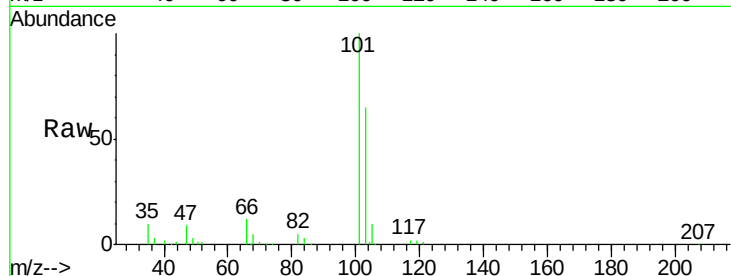
Trichlorofluoromethane
Concen: 51.798 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
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VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	175103		
103	103	64.5	52.1	78.1	

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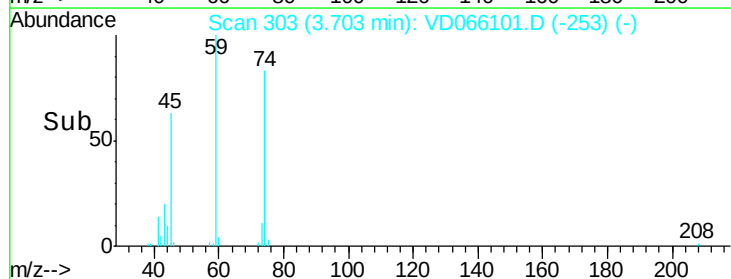
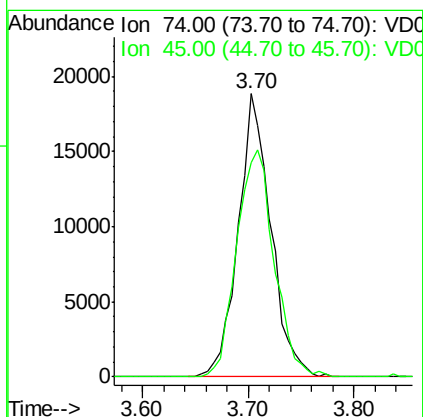
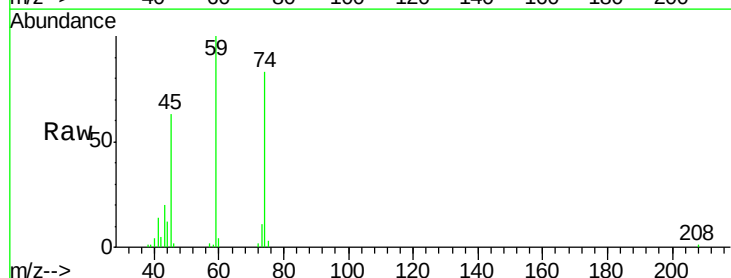
MMDadoda
7/31/2020 11:56:10 AM

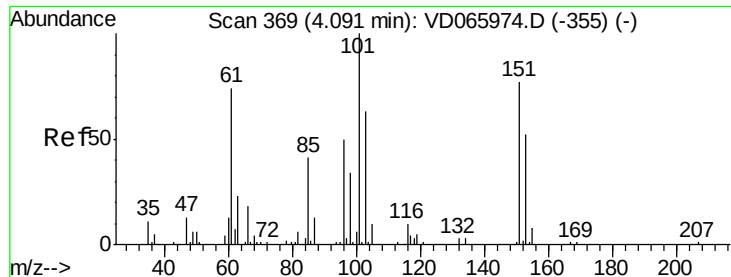


#8

Diethyl Ether
Concen: 43.126 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	74	100	40297		
45	45	92.4	49.9	149.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.408 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

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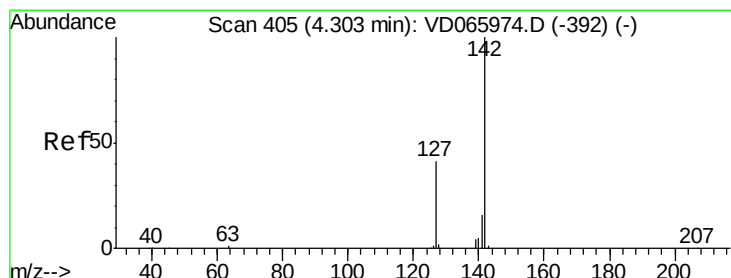
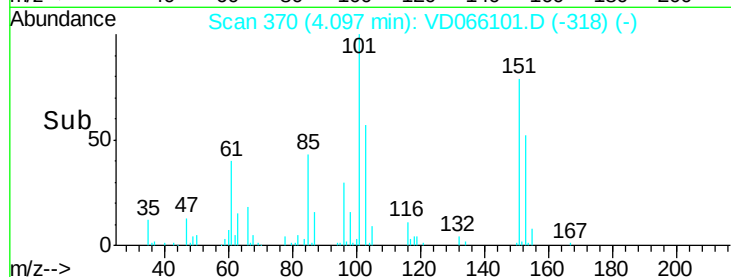
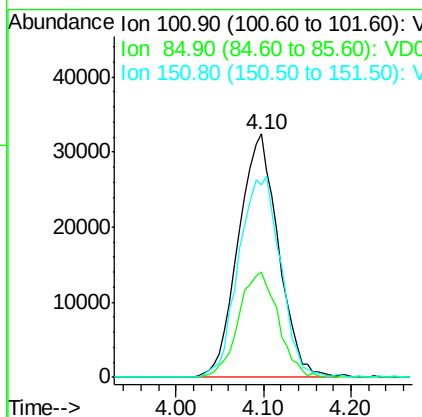
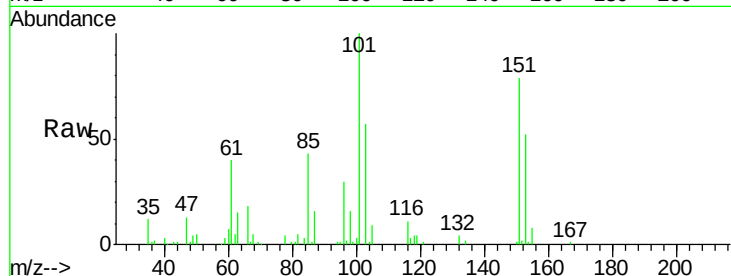
ClientSampleId :

VSTDCCC050

Tot Ion	101	Resp	100851
Ion	Ratio	Lower	Upper
101	100		
85	42.6	33.6	50.4
151	86.2	66.6	99.8

Manual Integrations
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7/31/2020 11:56:10 AM



#10

Methyl Iodide

Concen: 48.089 ug/l

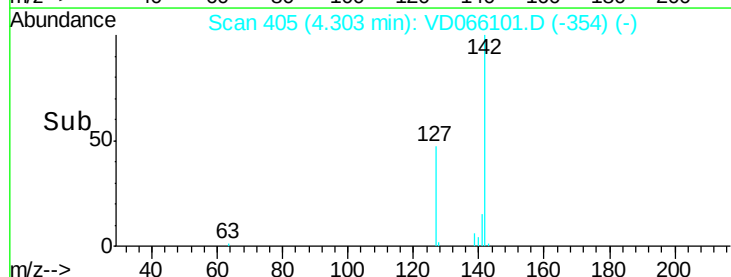
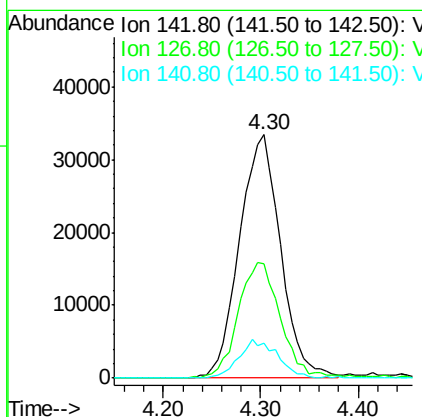
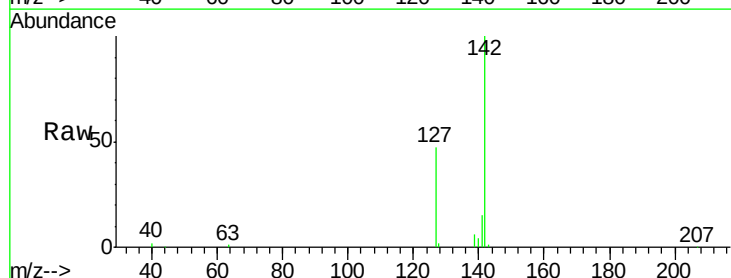
RT: 4.30 min Scan# 405

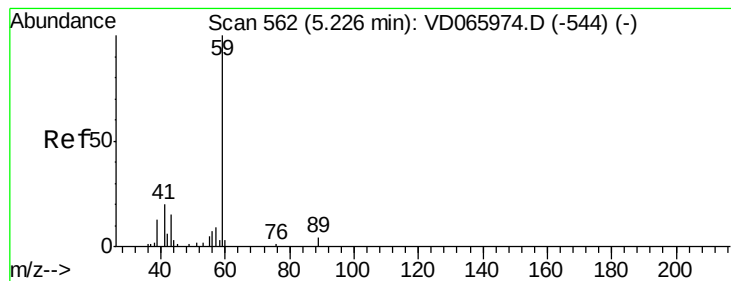
Delta R.T. 0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Tgt Ion	142	Resp	98311
Ion	Ratio	Lower	Upper
142	100		
127	48.8	32.9	49.3
141	14.8	11.8	17.6





#11

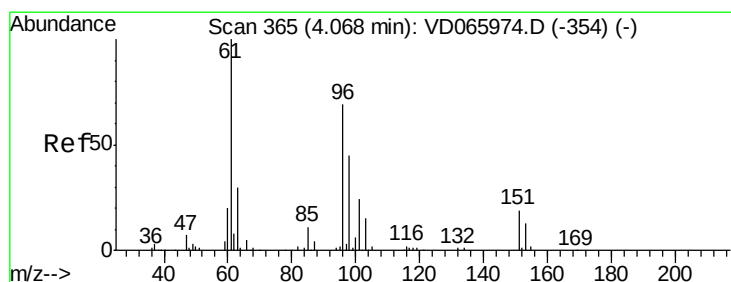
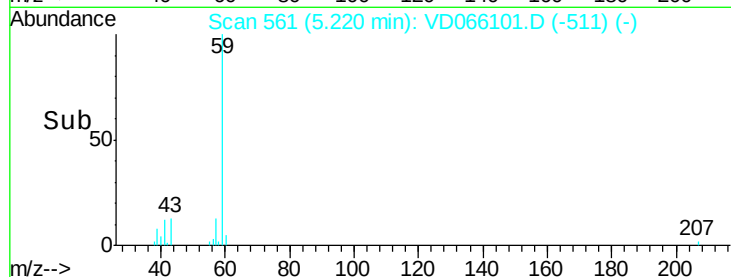
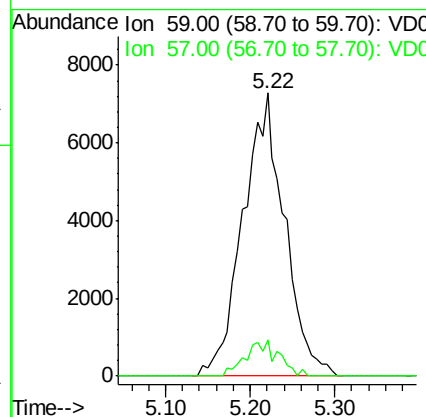
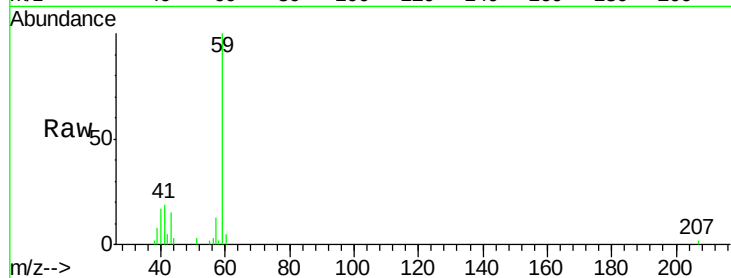
Tert butyl alcohol
 Concen: 200.526 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	4.5	6.7#

Manual Integrations
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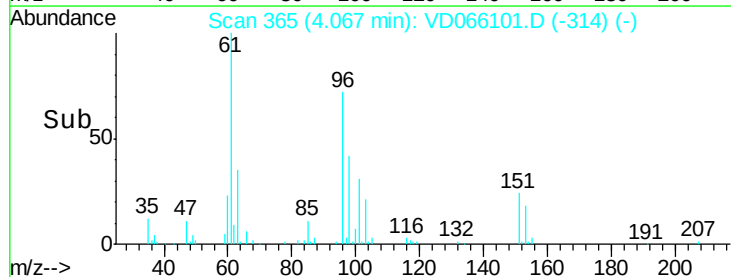
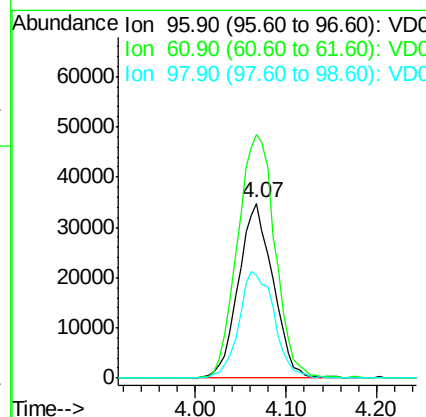
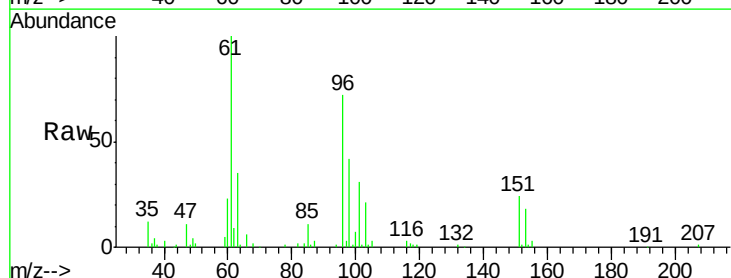
MMDadoda
 7/31/2020 11:56:10 AM

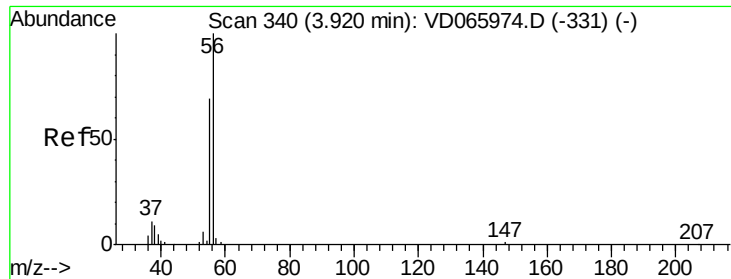


#12

1,1-Dichloroethene
 Concen: 47.344 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.4	115.4	173.0
98	58.5	51.5	77.3





#13

Acrolein

Concen: 169.382 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 27364

Ion Ratio Lower Upper

56 100

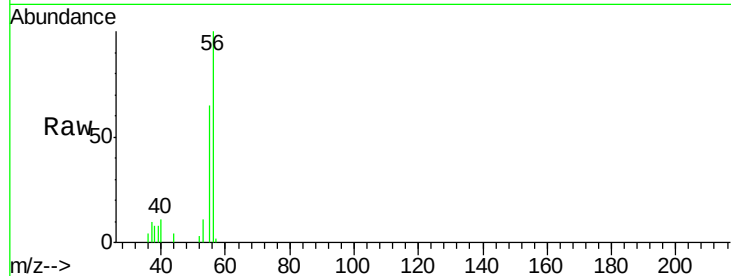
55 72.8 55.8 83.8

Manual Integrations

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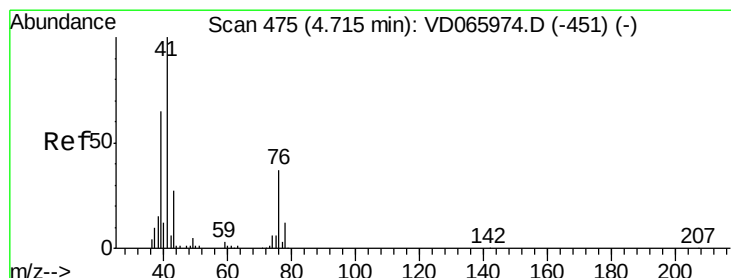
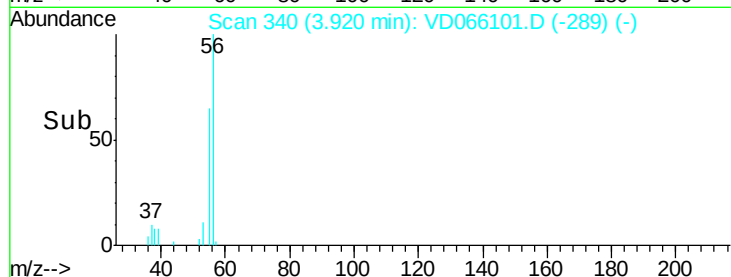
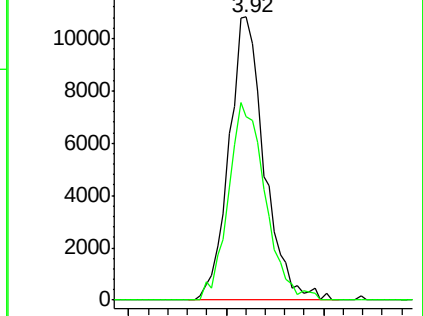
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 41.904 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

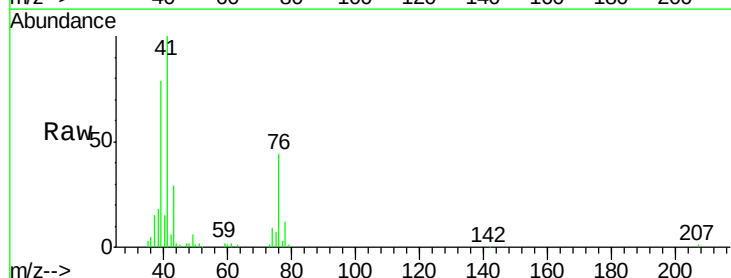
Tgt Ion: 41 Resp: 127625

Ion Ratio Lower Upper

41 100

39 79.9 53.4 80.2

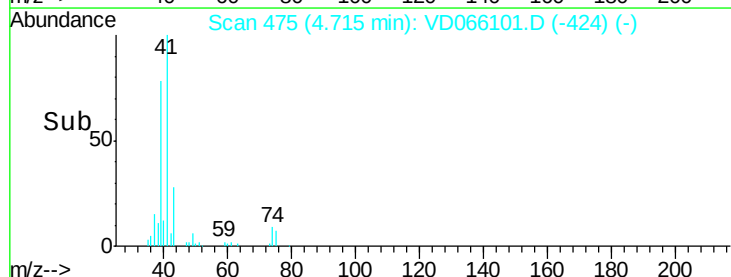
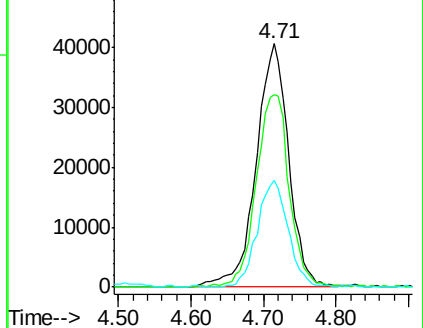
76 41.6 29.1 43.7

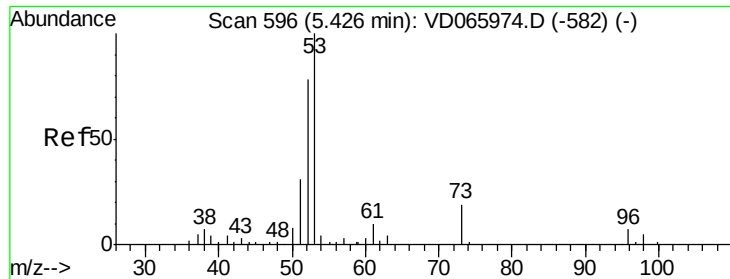


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 218.933 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

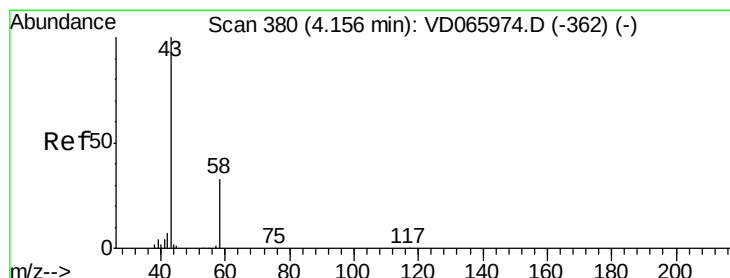
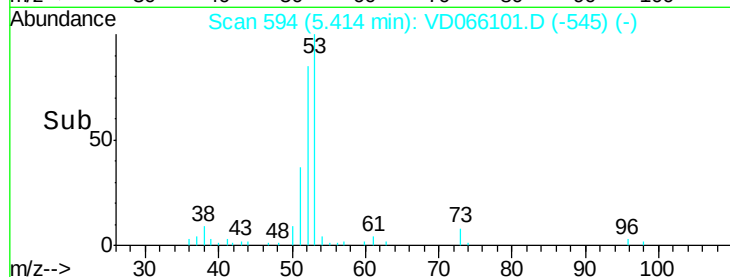
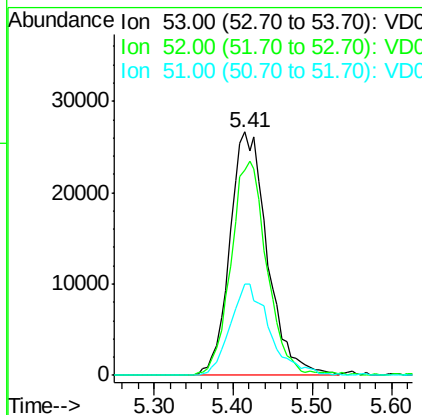
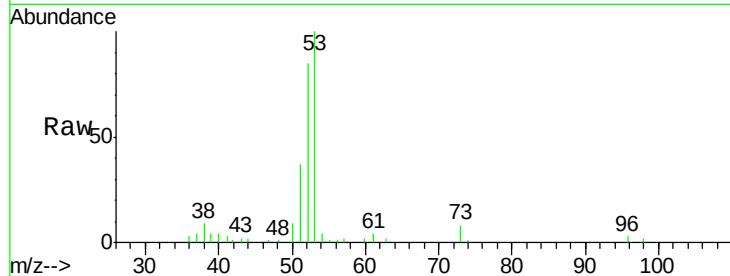
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	87397
Ion Ratio	Lower	Upper	
53	100		
52	84.0	67.1	100.7
51	39.2	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 289.276 ug/l

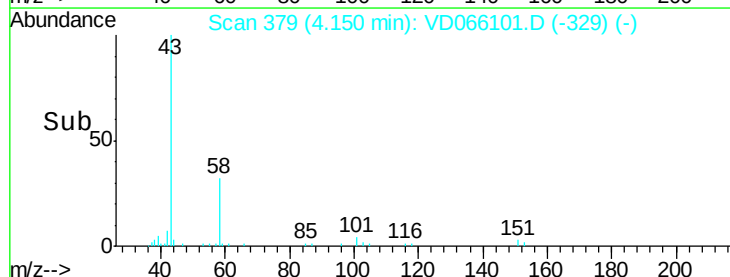
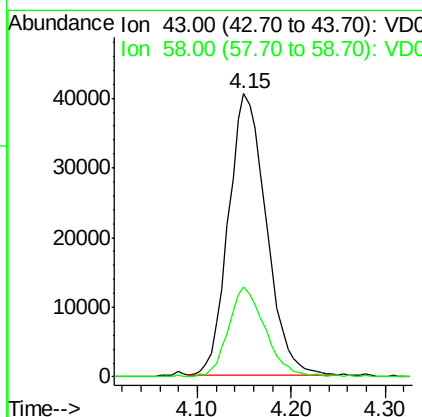
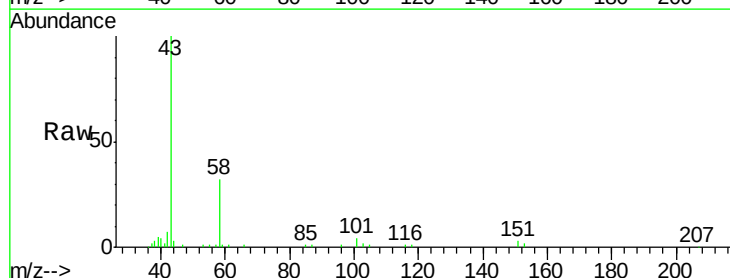
RT: 4.15 min Scan# 379

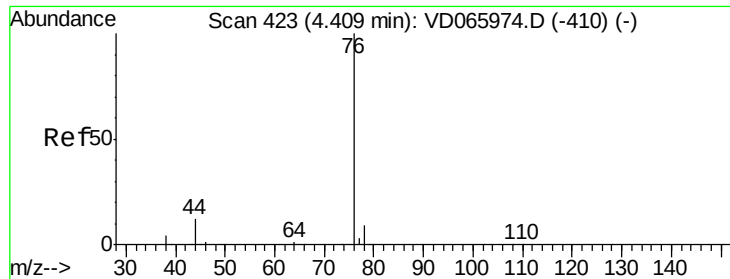
Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Tgt Ion:	43	Resp:	112275
Ion Ratio	Lower	Upper	
43	100		
58	32.2	26.3	39.5





#17

Carbon Disulfide

Concen: 40.295 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 254670

Ion Ratio Lower Upper

76 100

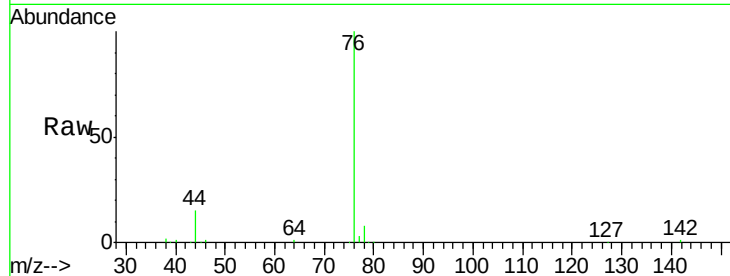
78 8.3 7.4 11.2

Manual Integrations

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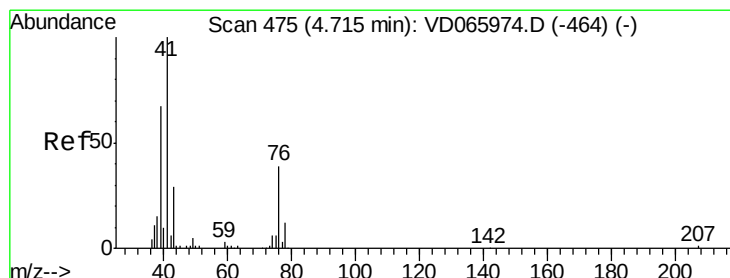
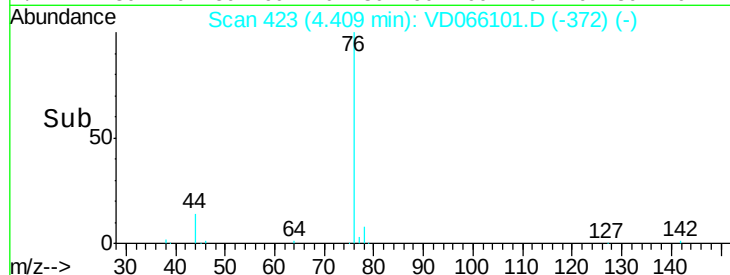
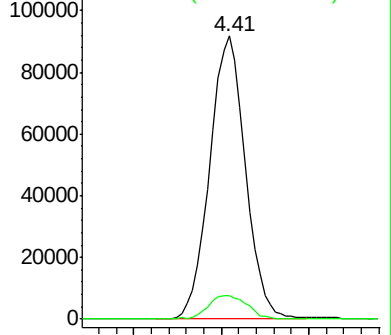
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 40.636 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD066101.D

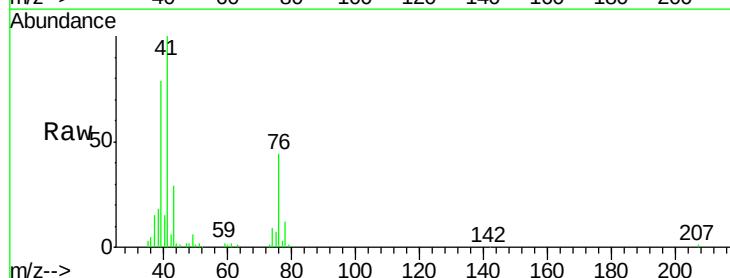
Acq: 30 Jul 2020 10:06

Tgt Ion: 43 Resp: 36690

Ion Ratio Lower Upper

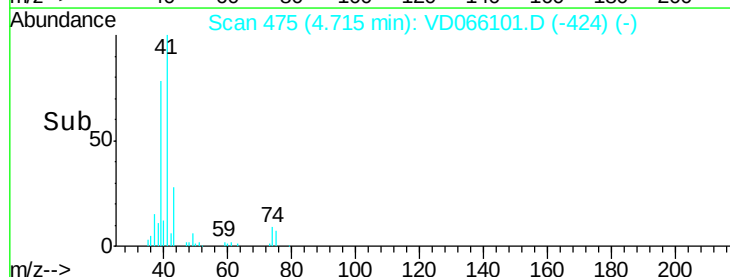
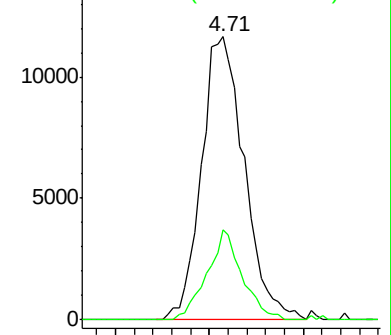
43 100

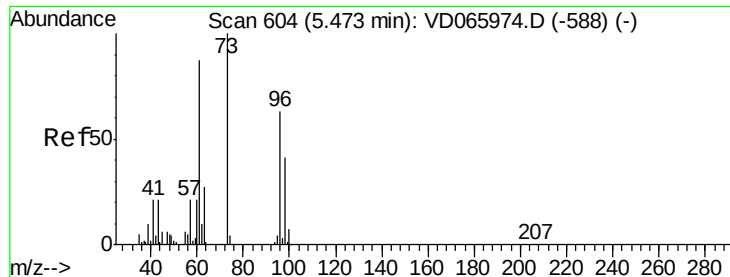
74 26.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





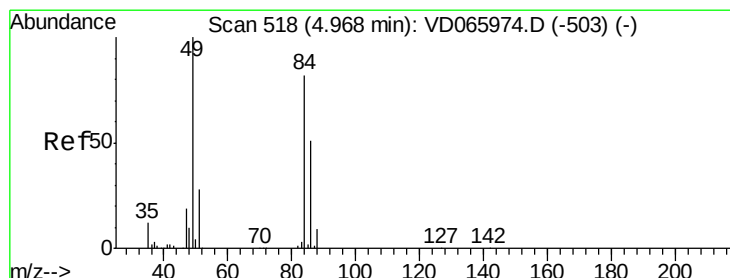
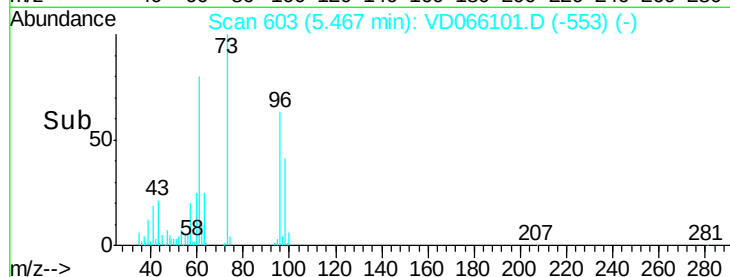
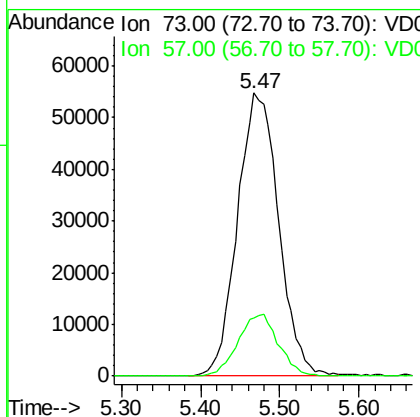
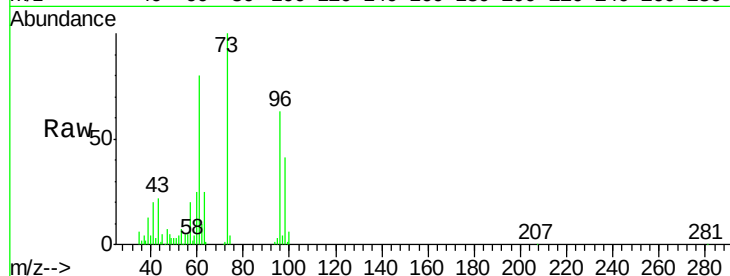
#19
Methyl tert-butyl Ether
Concen: 49.387 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	17.0	25.4

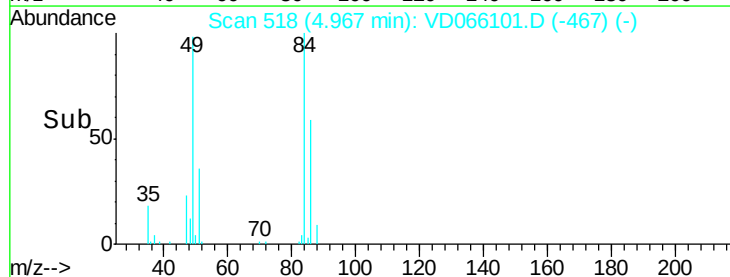
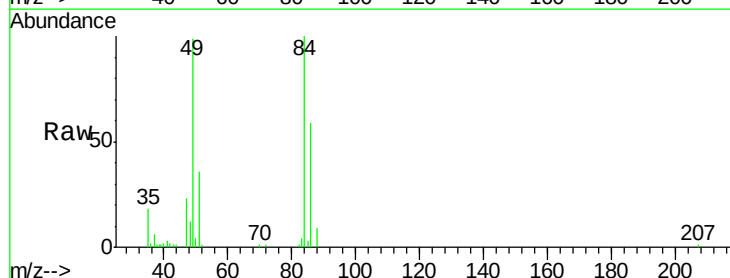
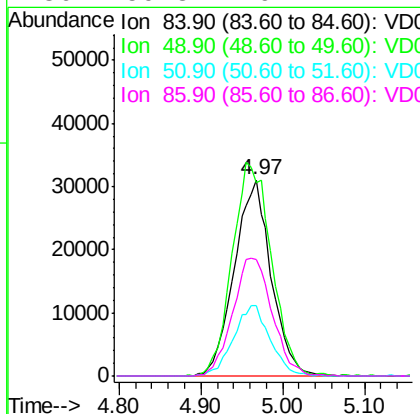
Manual Integrations
APPROVED

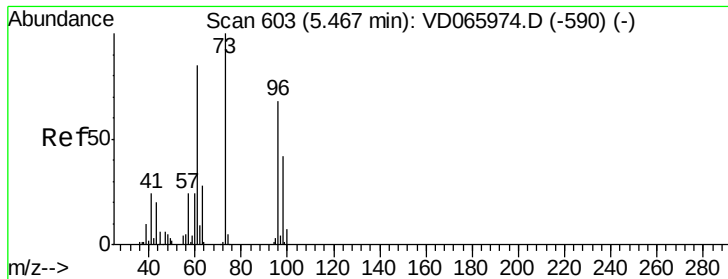
MMDadoda
7/31/2020 11:56:10 AM



#20
Methylene Chloride
Concen: 44.953 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	98.8	97.7	146.5
51	35.6	27.4	41.2
86	59.3	49.4	74.2





#21

trans-1,2-Dichloroethene

Concen: 47.515 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

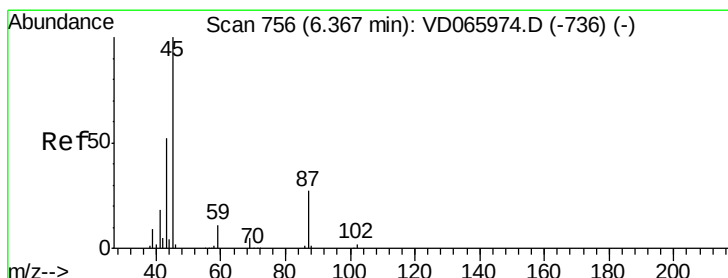
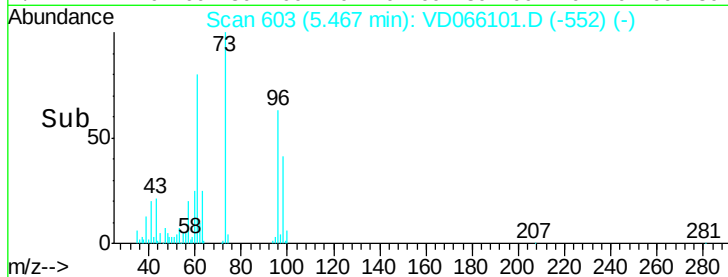
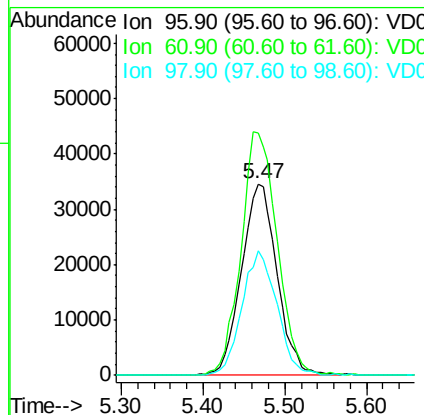
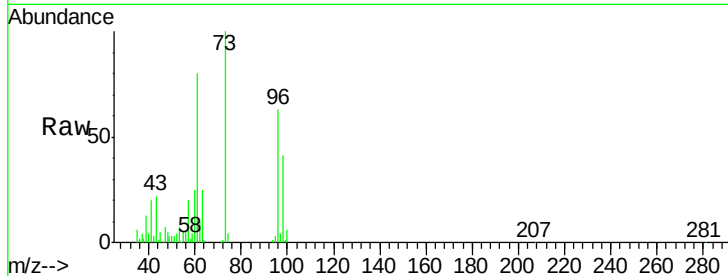
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	104632
Ion	Ratio	Lower	Upper
96	100		
61	126.5	100.5	150.7
98	65.0	49.7	74.5

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#22

Diisopropyl ether

Concen: 45.076 ug/l

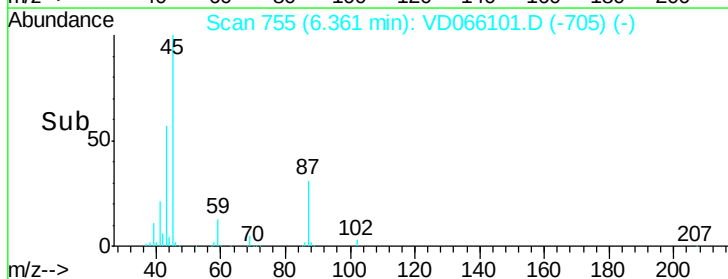
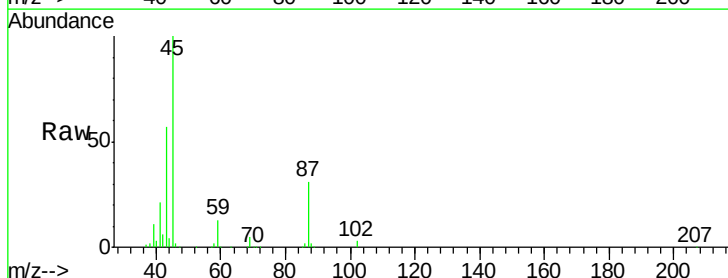
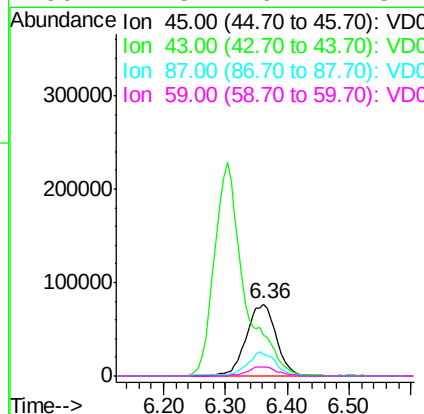
RT: 6.36 min Scan# 755

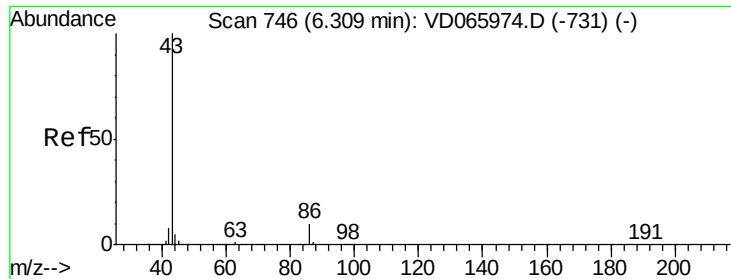
Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Tgt Ion:	45	Resp:	260819
Ion	Ratio	Lower	Upper
45	100		
43	56.2	43.0	64.4
87	30.5	22.0	33.0
59	12.5	9.1	13.7





#23

Vinyl Acetate

Concen: 233.520 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 762039

Ion Ratio Lower Upper

43 100

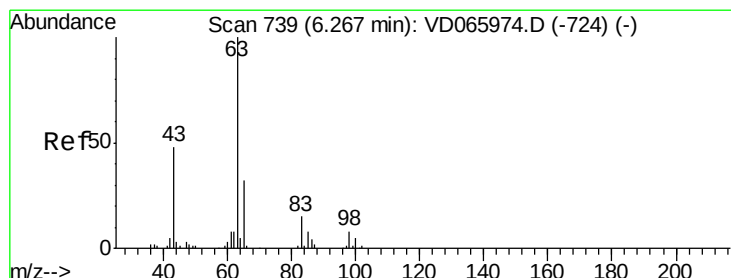
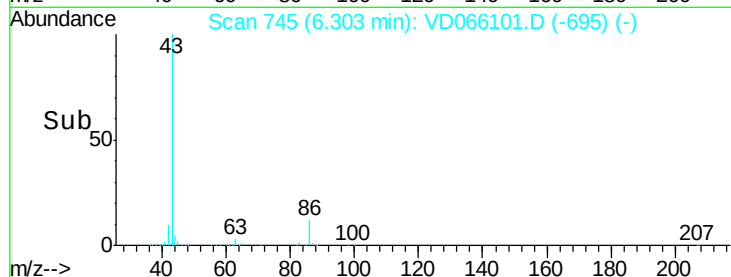
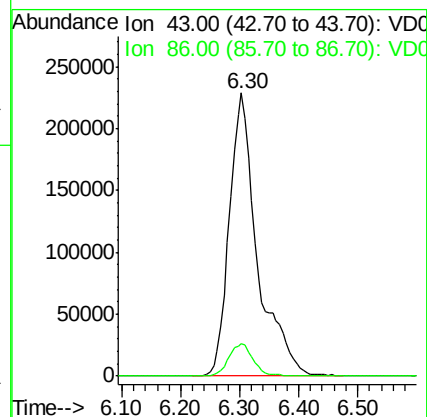
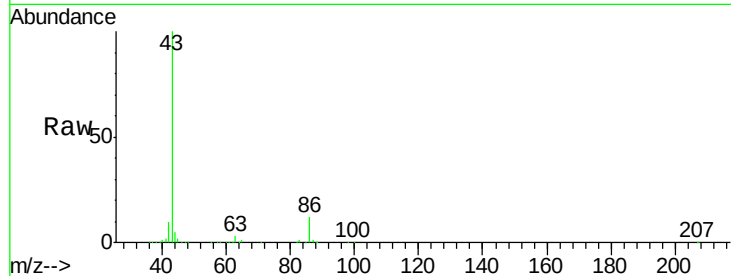
86 11.7 7.9 11.9

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.613 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

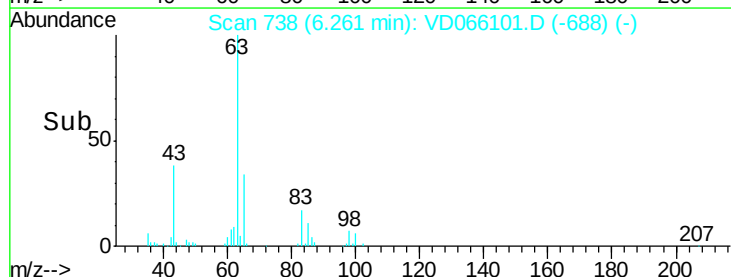
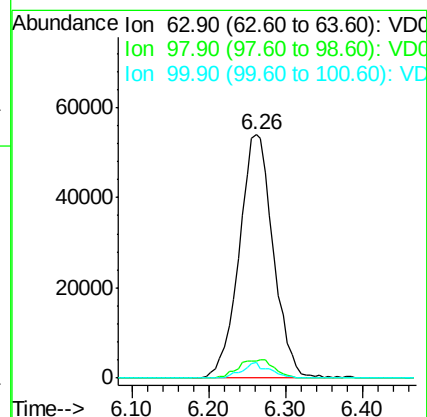
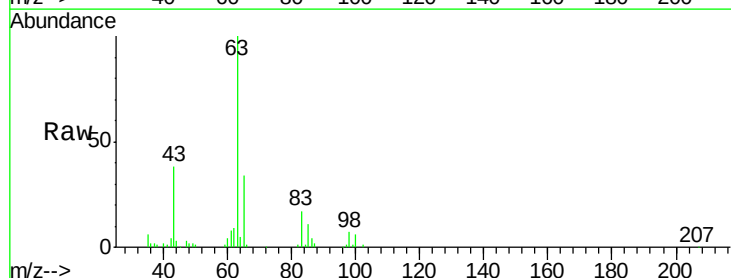
Tgt Ion: 63 Resp: 166928

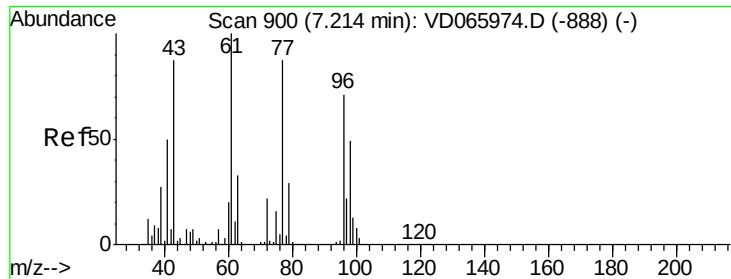
Ion Ratio Lower Upper

63 100

98 7.3 4.3 12.8

100 6.4 2.5 7.5





#25

2-Butanone

Concen: 233.656 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 120335

Ion Ratio Lower Upper

43 100

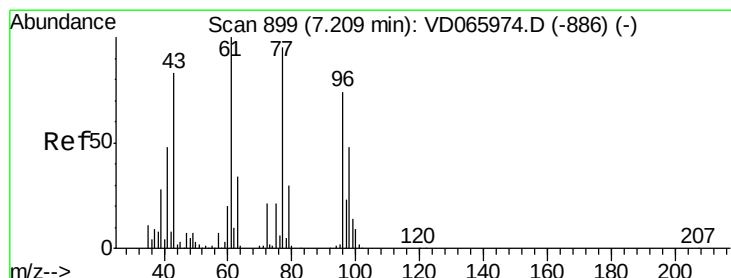
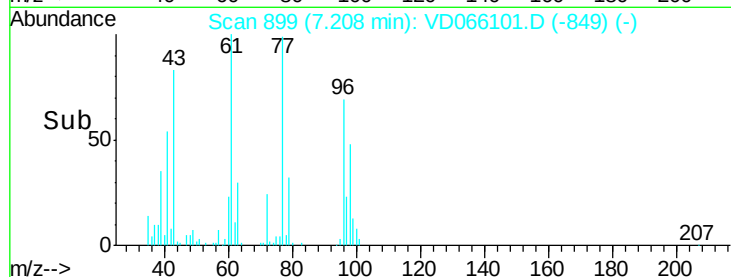
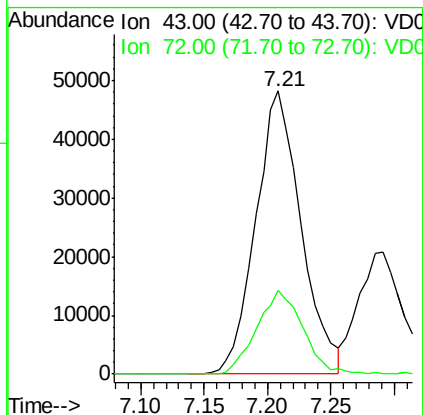
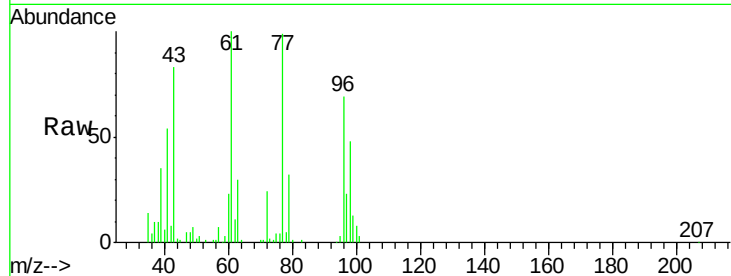
72 29.4 20.2 30.2

Manual Integrations

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7/31/2020 11:56:10 AM



#26

2,2-Dichloropropane

Concen: 53.066 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066101.D

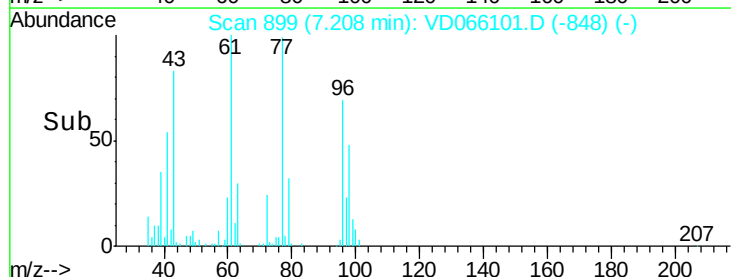
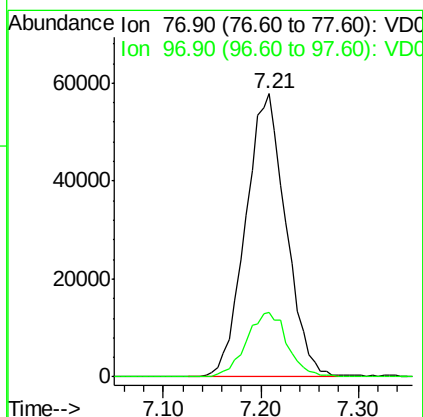
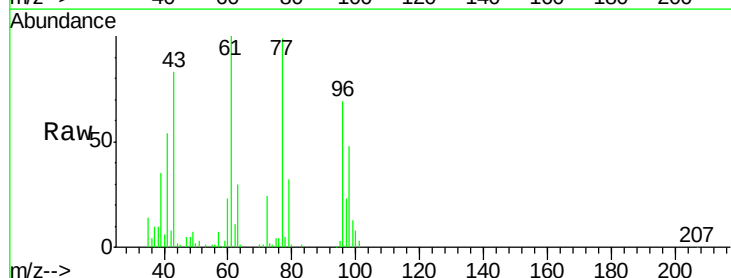
Acq: 30 Jul 2020 10:06

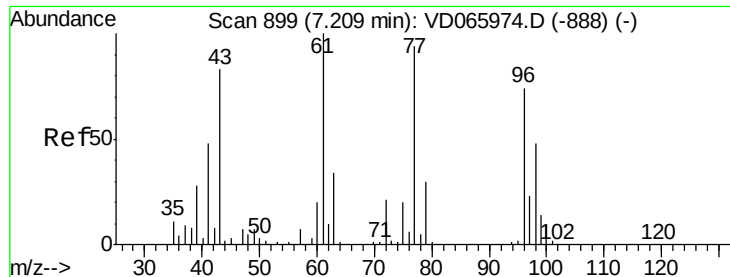
Tgt Ion: 77 Resp: 167304

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7





#27

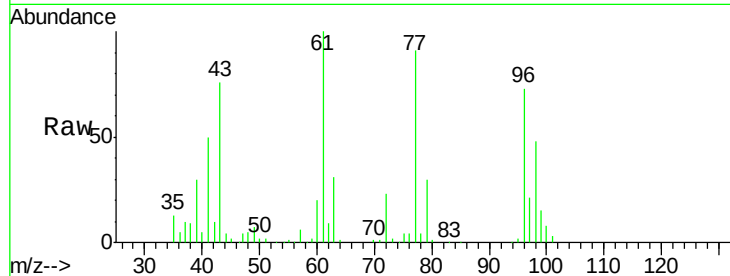
cis-1,2-Dichloroethene
Concen: 47.458 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

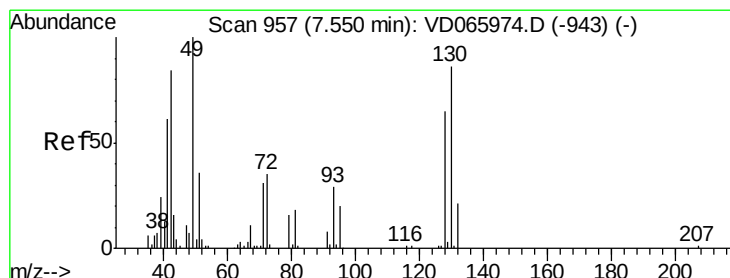
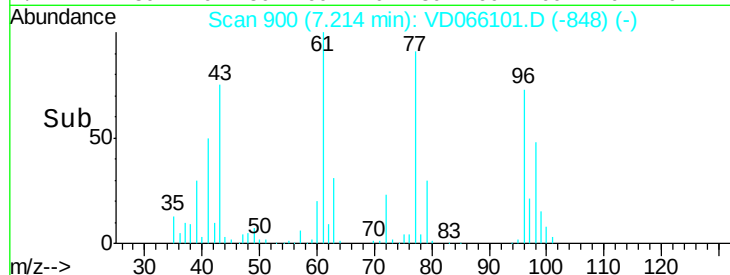
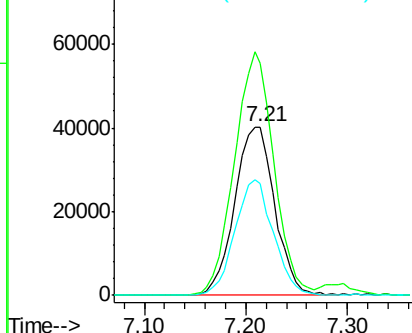
Tot Ion	Ratio	Resp	Lower	Upper
96	100	110650		
61	142.0	0.0	276.6	
98	65.9	0.0	130.8	

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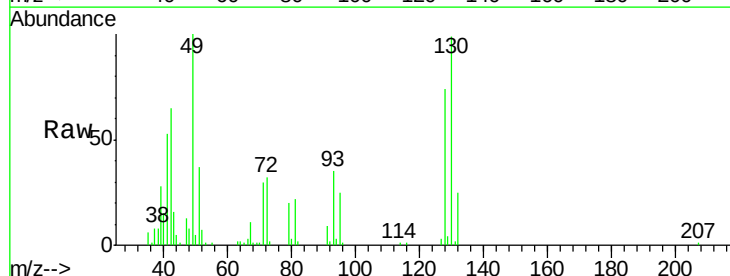
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



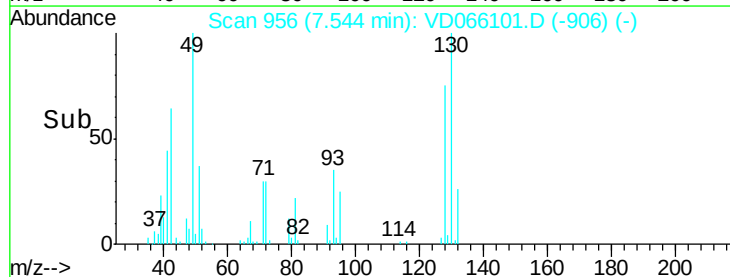
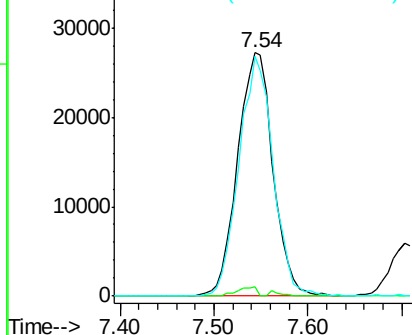
#28

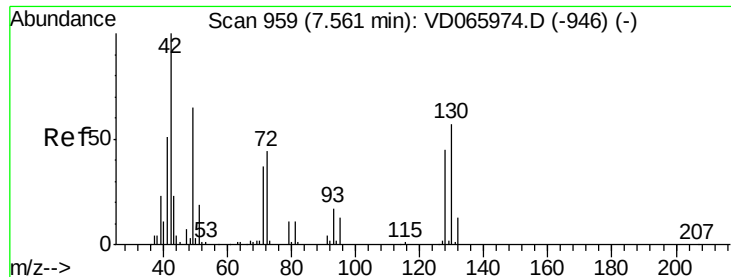
Bromochloromethane
Concen: 47.727 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	71019		
129	2.0	0.0	4.8	
130	95.0	68.4	102.6	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





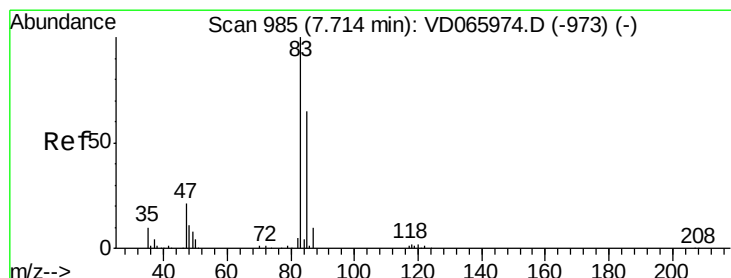
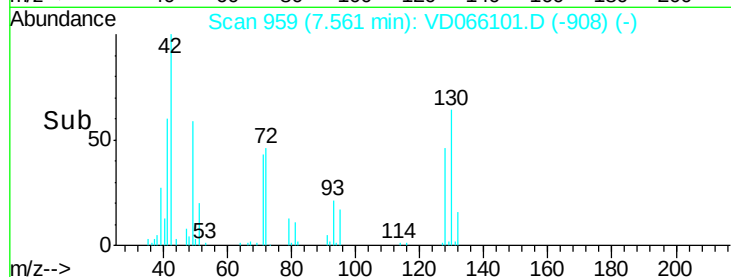
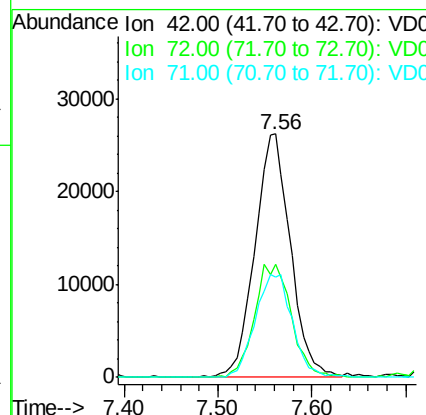
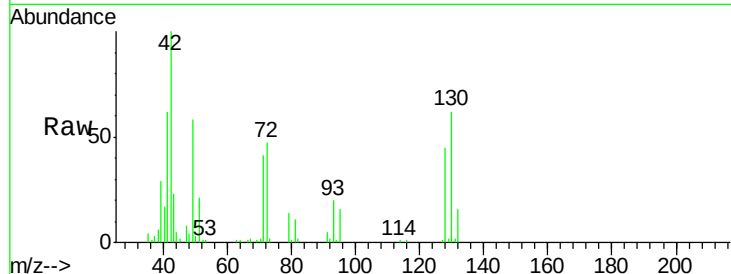
#29
Tetrahydrofuran
Concen: 216.504 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.1	34.2	51.2
71	44.2	31.4	47.2

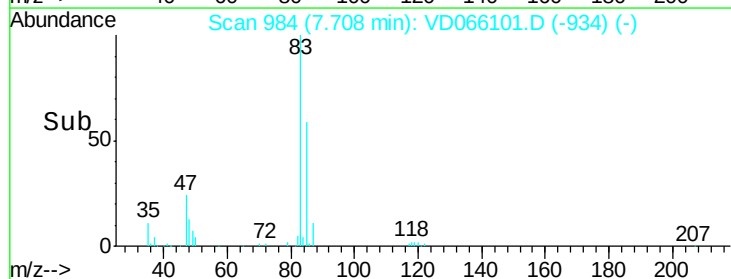
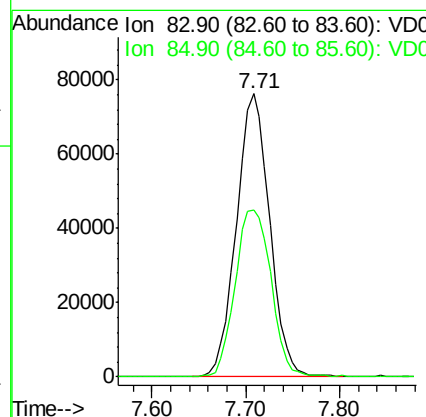
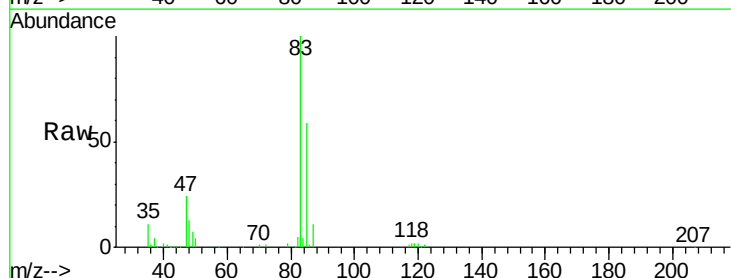
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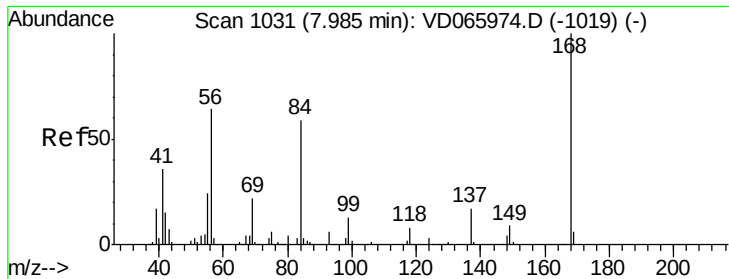
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#30
Chloroform
Concen: 51.190 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.8	52.1	78.1





#31

Cyclohexane

Concen: 42.088 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

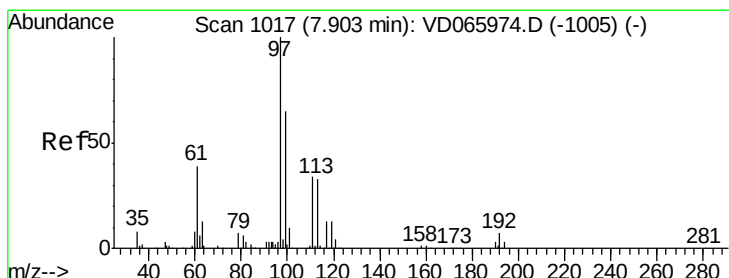
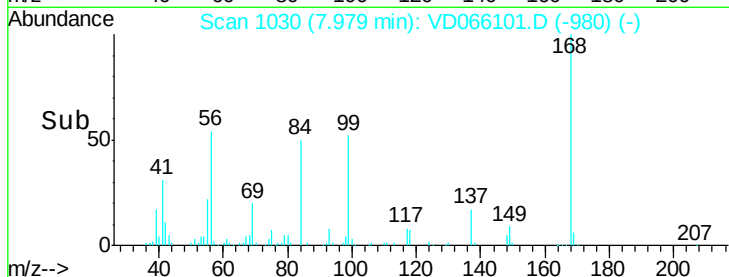
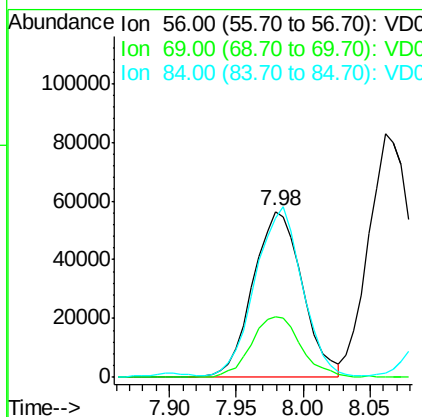
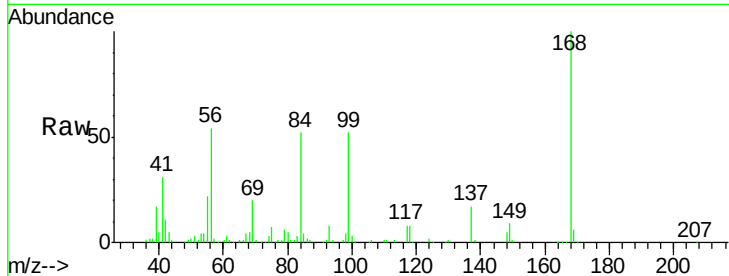
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	145171
Ion	Ratio	Lower	Upper
56	100		
69	36.5	28.0	42.0
84	93.9	72.6	109.0

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#32

1,1,1-Trichloroethane

Concen: 53.634 ug/l

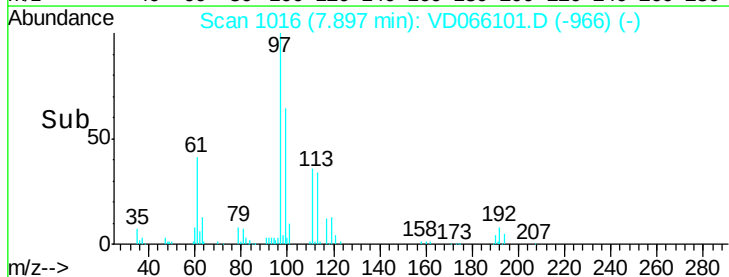
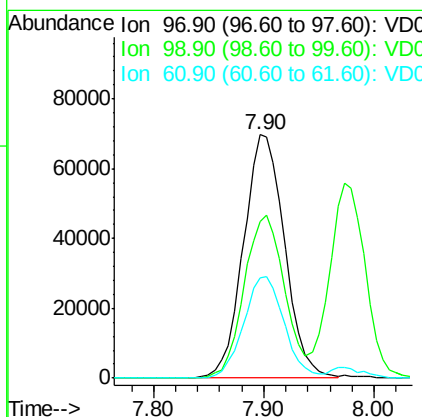
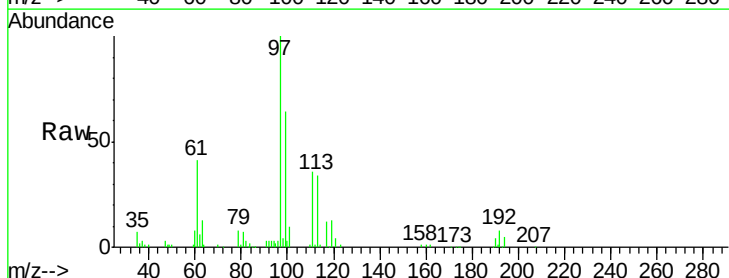
RT: 7.90 min Scan# 1016

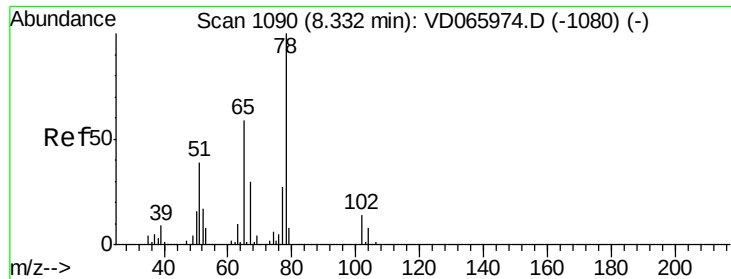
Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Tgt Ion:	97	Resp:	181944
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.8	77.6
61	41.3	33.3	49.9





#33

1,2-Dichloroethane-d4

Concen: 52.229 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 100147

Ion Ratio Lower Upper

65 100

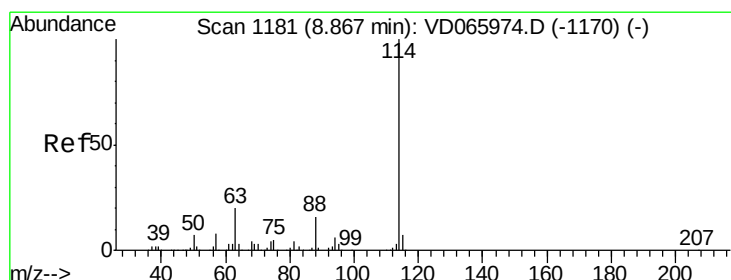
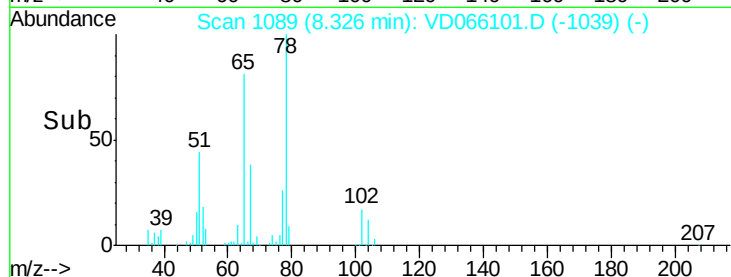
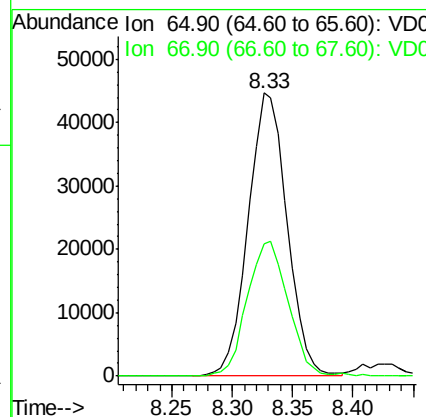
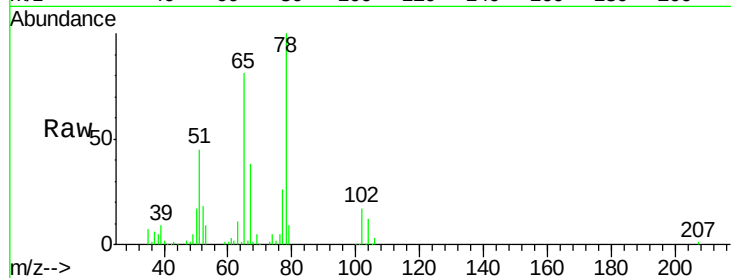
67 49.7 0.0 105.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

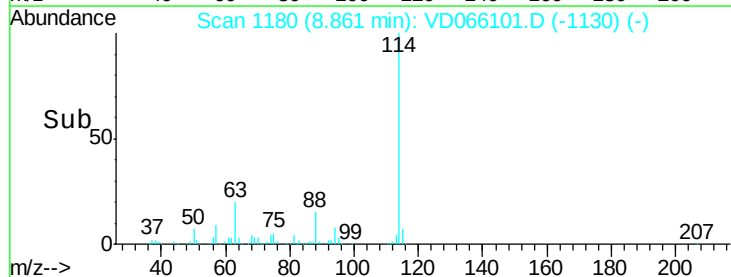
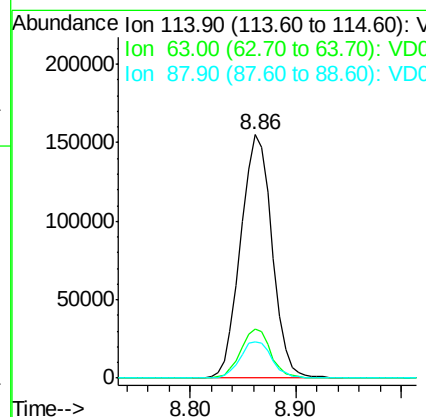
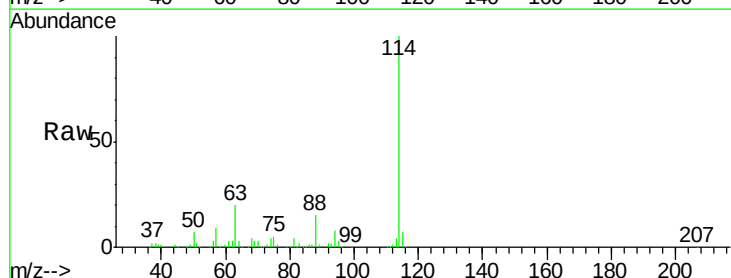
Tgt Ion: 114 Resp: 320987

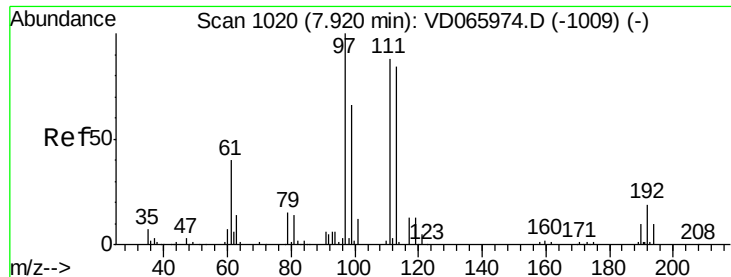
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

88 14.7 0.0 31.2





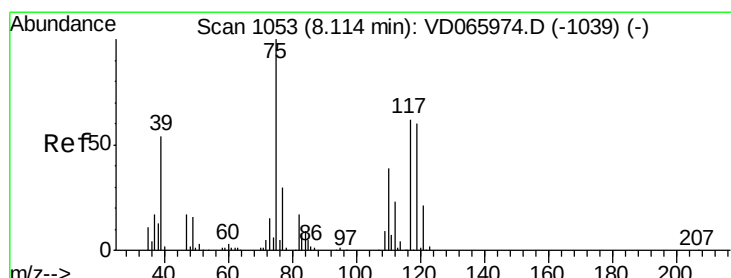
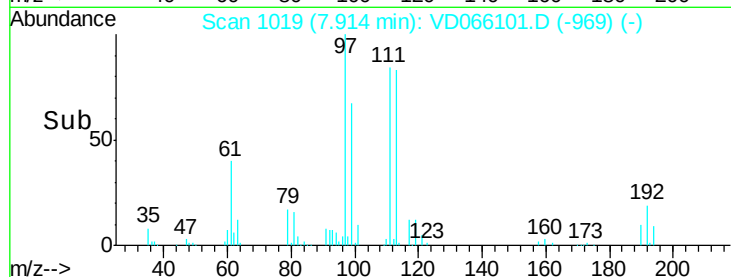
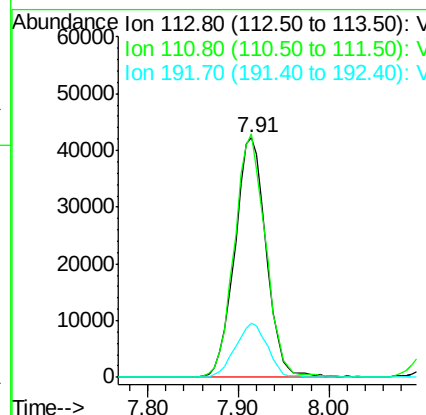
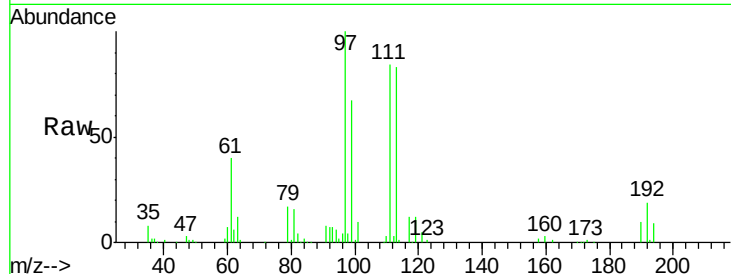
#35
 Dibromofluoromethane
 Concen: 52.073 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101380		
111	101.3	83.2	124.8	
192	23.2	18.7	28.1	

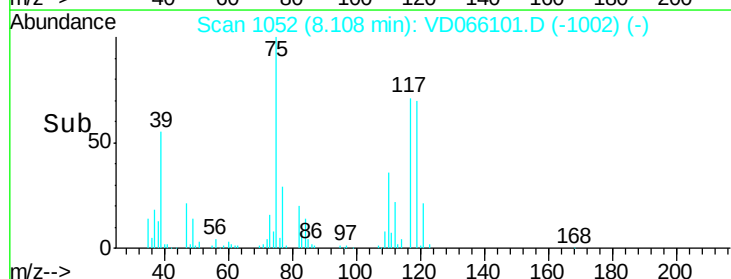
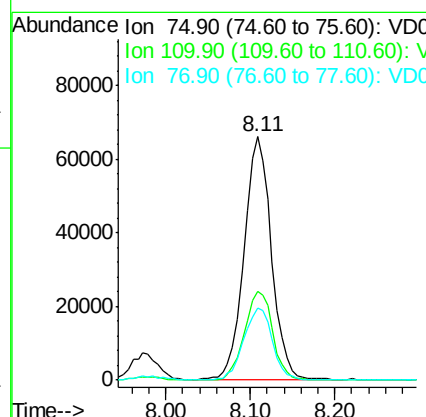
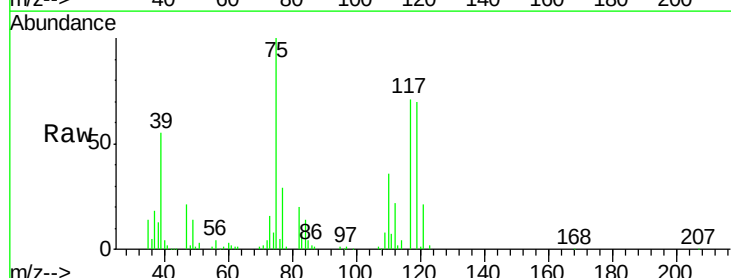
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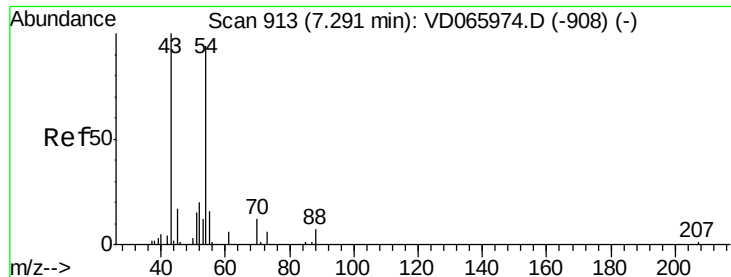
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#36
 1,1-Dichloropropene
 Concen: 54.197 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	148471		
110	37.6	19.5	58.5	
77	30.9	24.7	37.1	





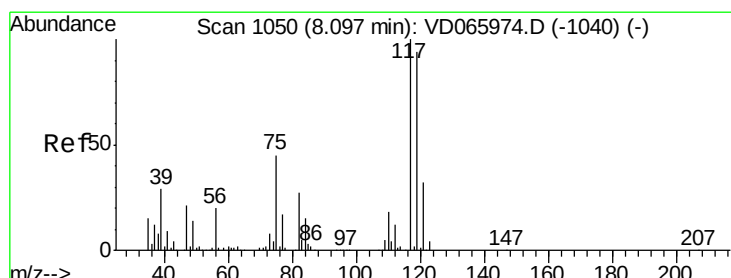
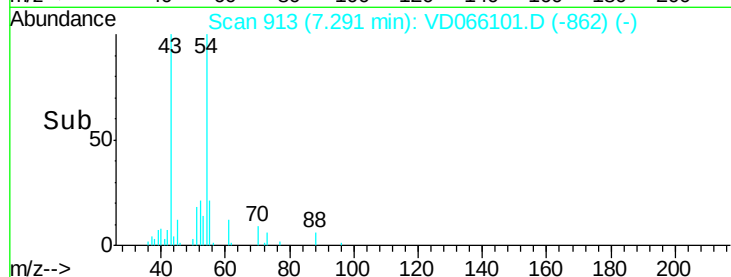
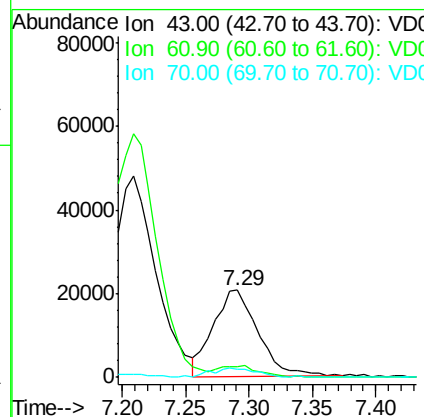
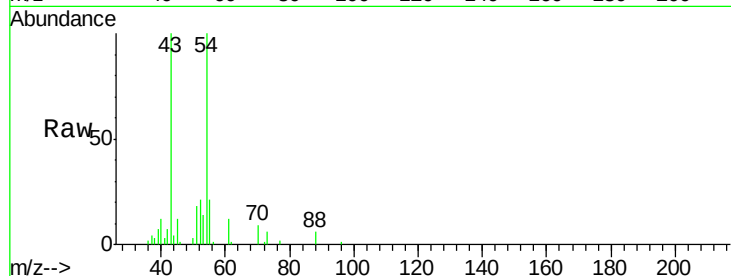
#37
Ethyl Acetate
Concen: 48.338 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.4	17.0
70	11.2	9.3	13.9

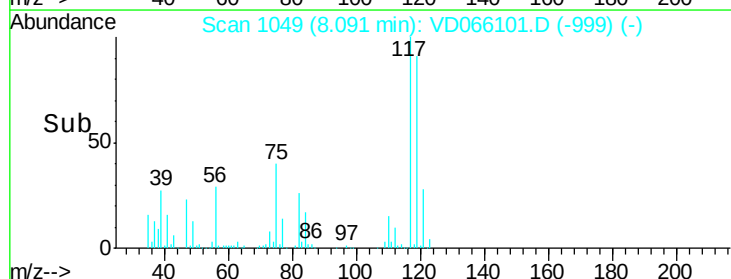
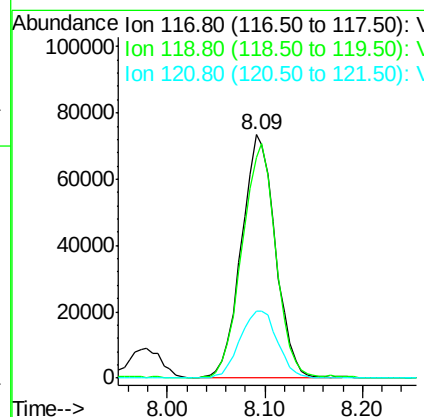
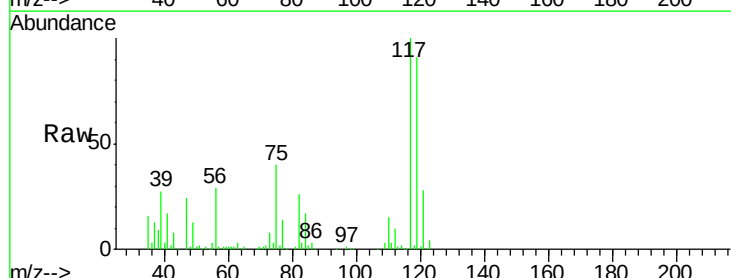
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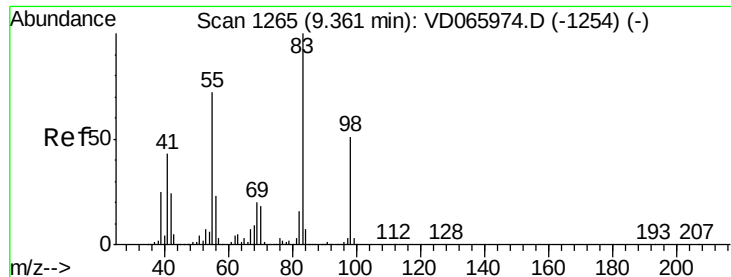
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#38
Carbon Tetrachloride
Concen: 59.659 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	75.0	112.6
121	27.8	25.5	38.3





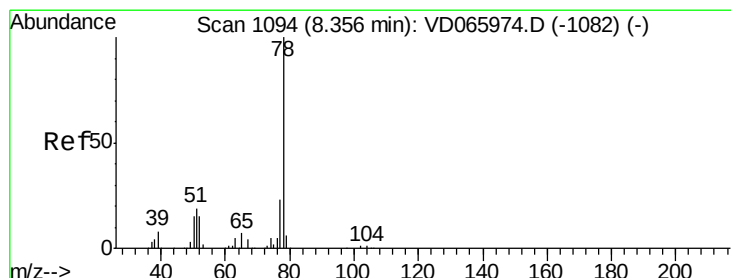
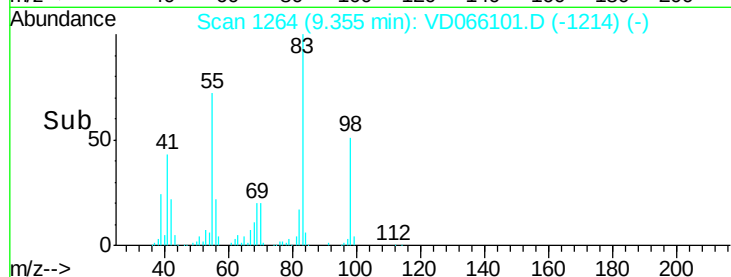
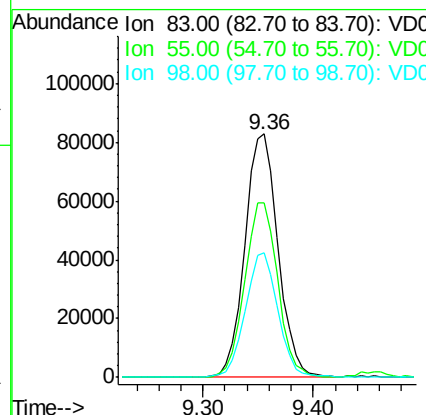
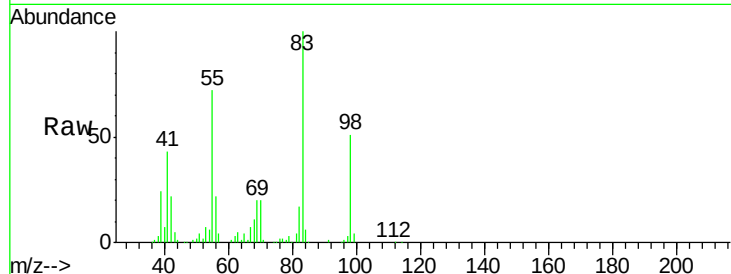
#39
Methylvlcyclohexane
Concen: 52.884 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	175442
Ion Ratio	Lower	Upper	
83	100		
55	71.9	57.3	85.9
98	51.4	41.0	61.6

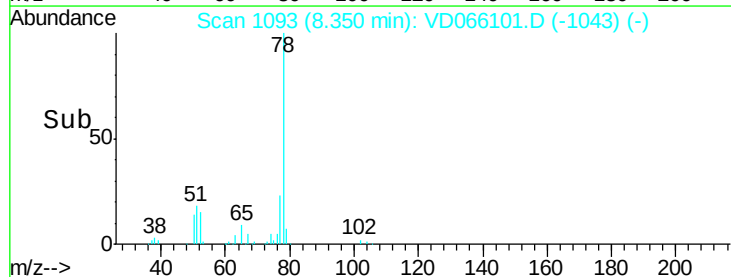
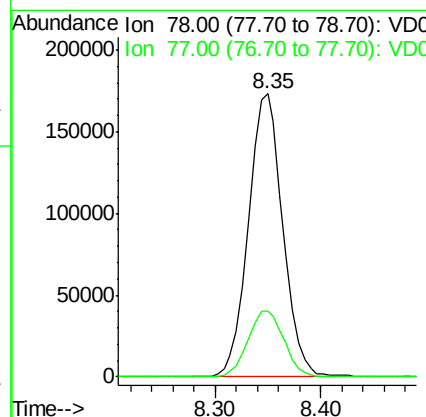
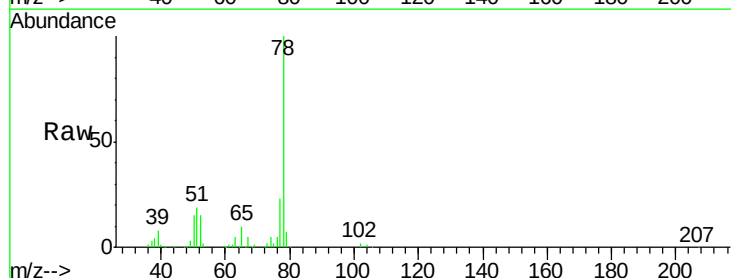
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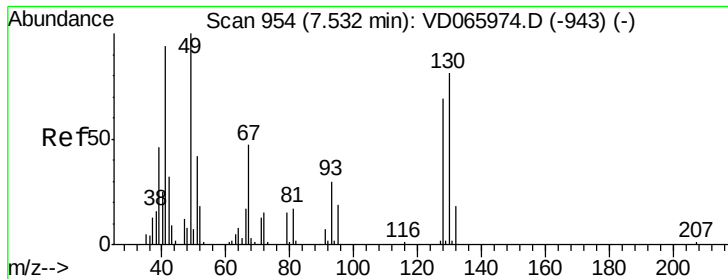
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#40
Benzene
Concen: 51.023 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion	78	Resp	391046
Ion Ratio	Lower	Upper	
78	100		
77	23.4	18.6	27.8





#41

Methacrylonitrile

Concen: 47.340 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 28372

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

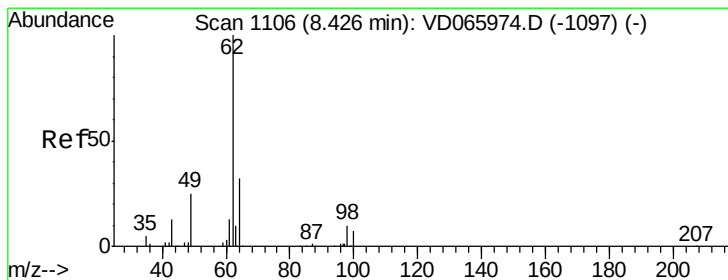
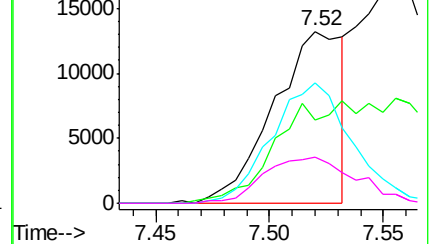
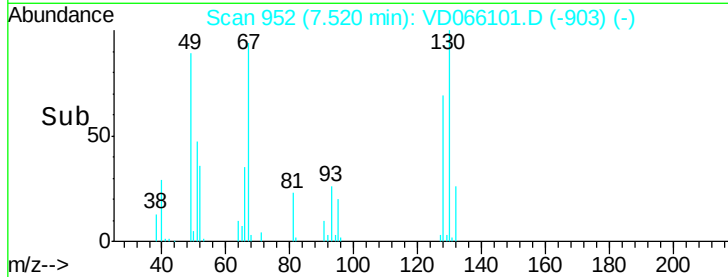
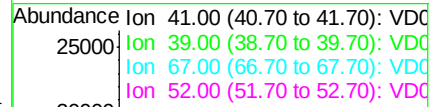
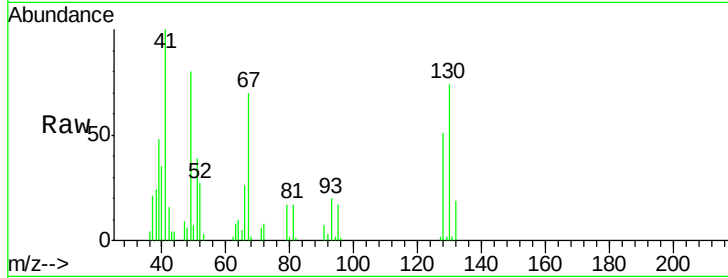
52 0.0 0.0 0.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 55.642 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD066101.D

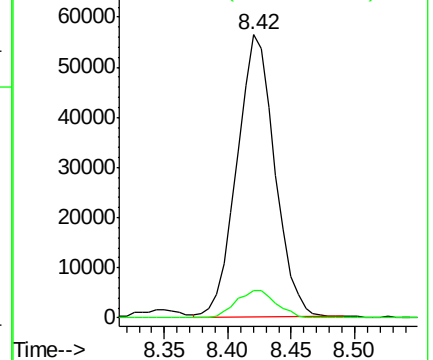
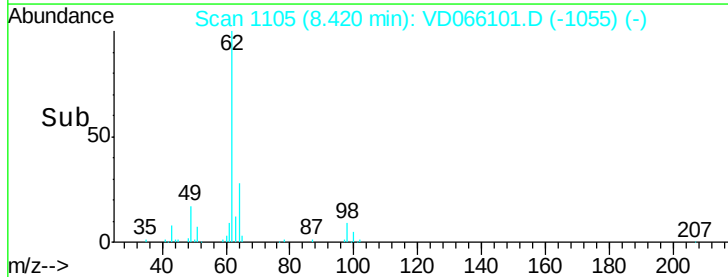
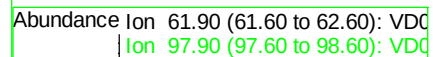
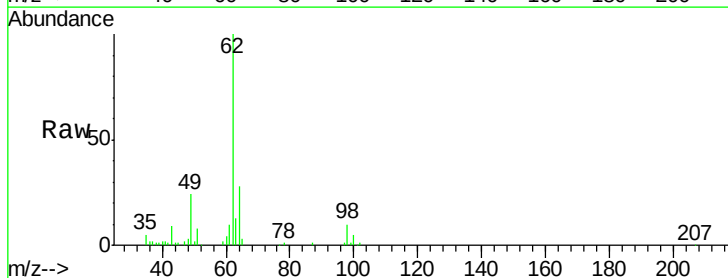
Acq: 30 Jul 2020 10:06

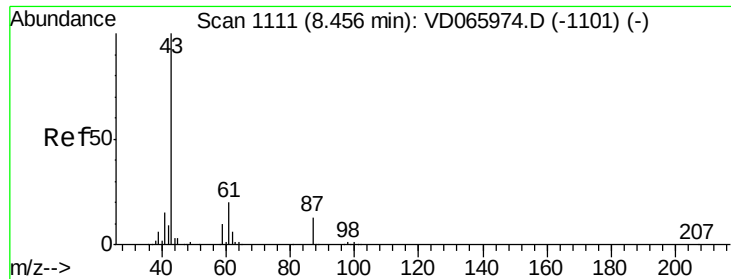
Tgt Ion: 62 Resp: 116856

Ion Ratio Lower Upper

62 100

98 10.3 0.0 21.0





#43

Isopropyl Acetate

Concen: 48.776 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

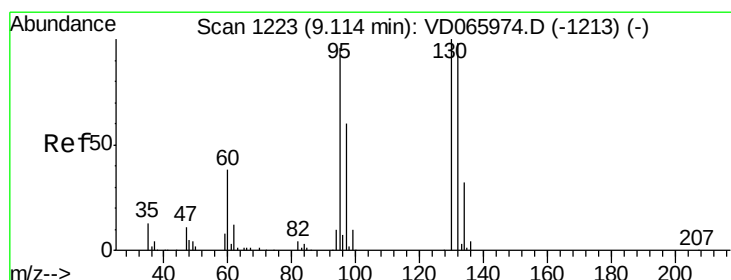
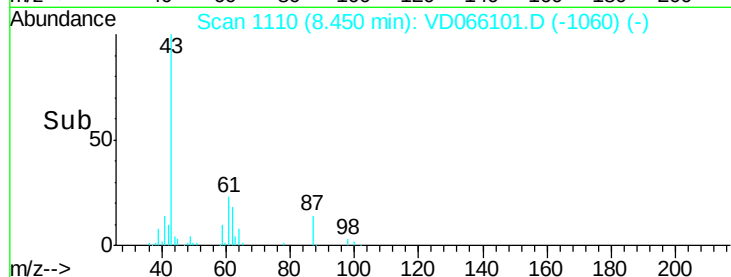
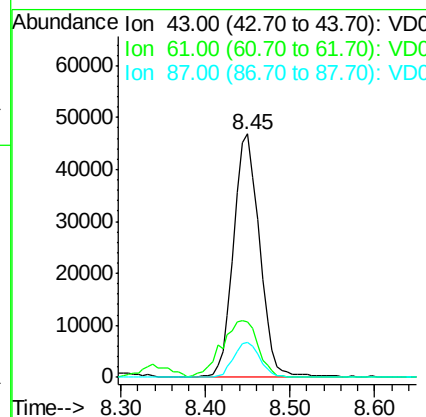
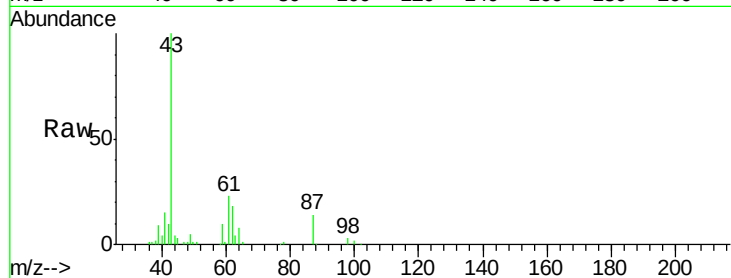
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	99667
Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.8	38.8
87	14.5	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 52.478 ug/l

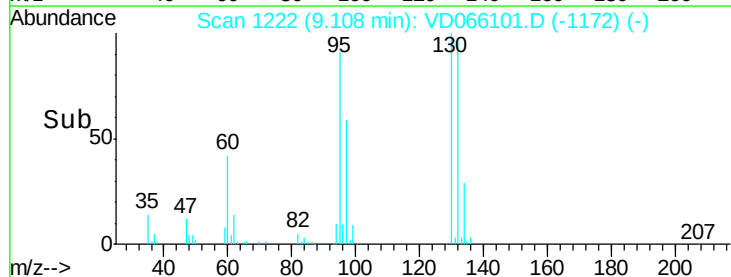
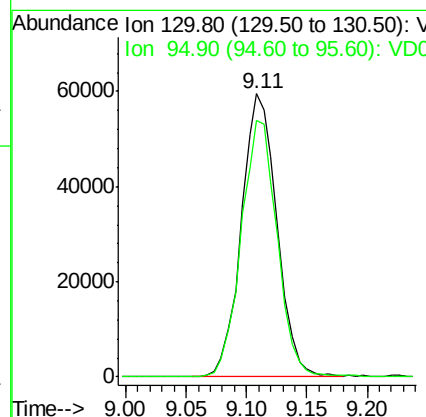
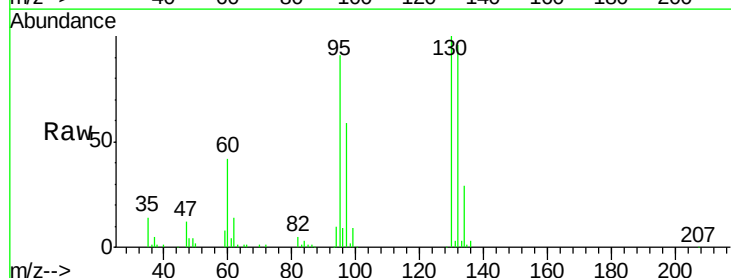
RT: 9.11 min Scan# 1222

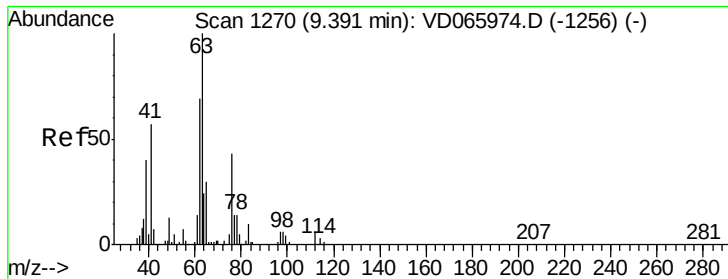
Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Tgt Ion:	130	Resp:	121709
Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	191.6





#45

1,2-Dichloropropane

Concen: 49.984 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 92779

Ion Ratio Lower Upper

63 100

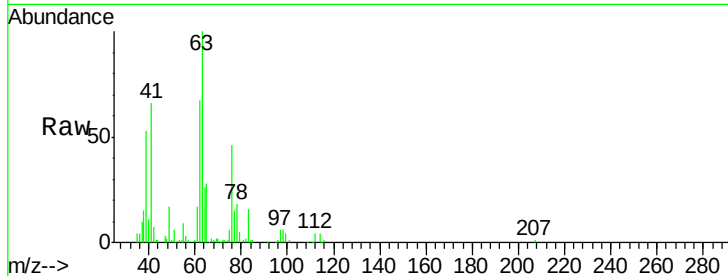
65 28.1 24.0 36.0

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

50000

40000

30000

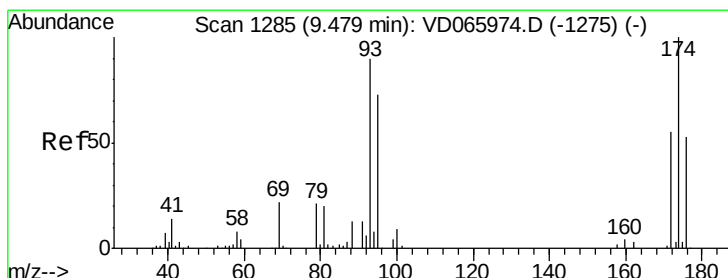
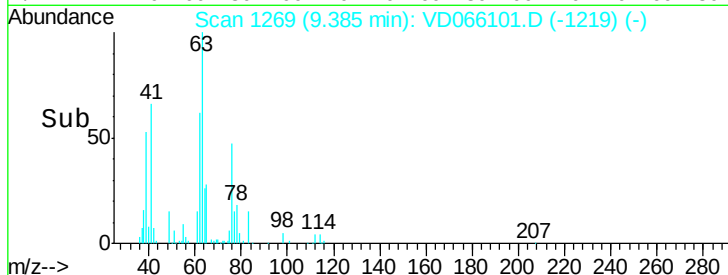
20000

10000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 51.668 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

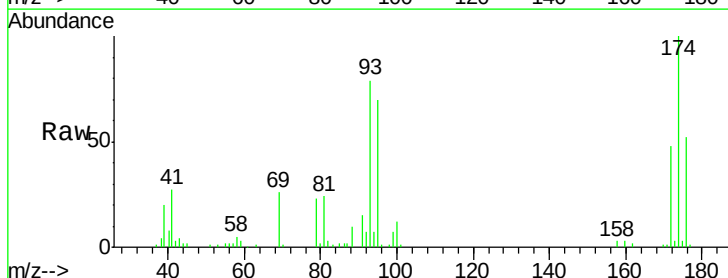
Tgt Ion: 93 Resp: 51629

Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

174 123.4 91.5 137.3



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

40000

30000

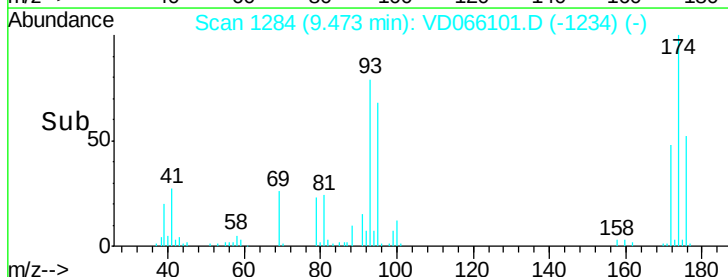
20000

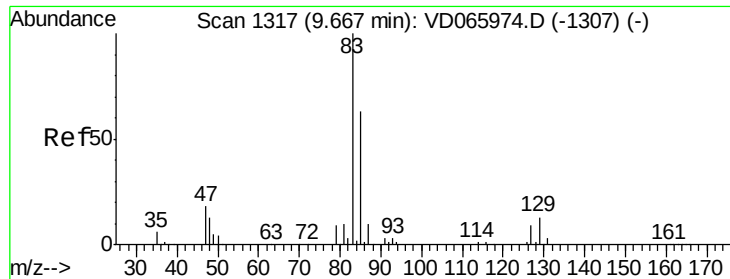
10000

0

9.40 9.50 9.60

Time-->





#47

Bromodichloromethane

Concen: 53.752 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

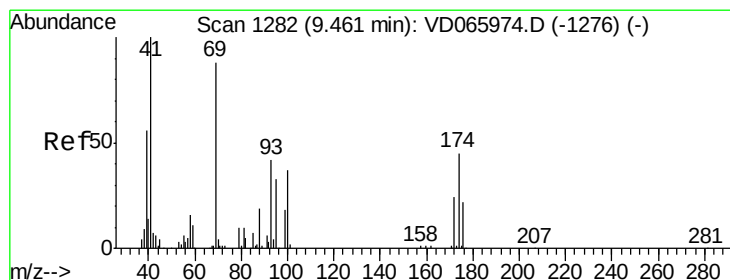
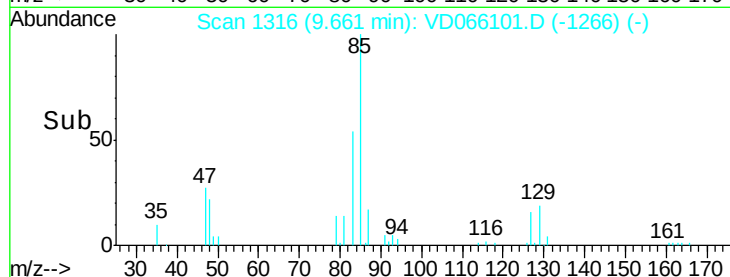
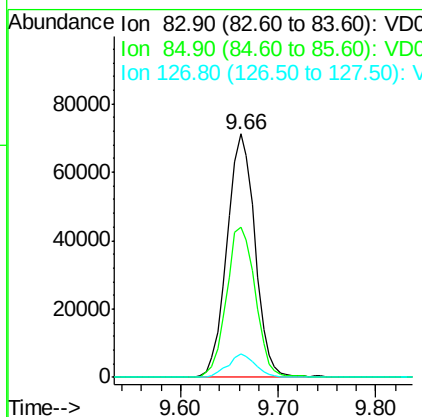
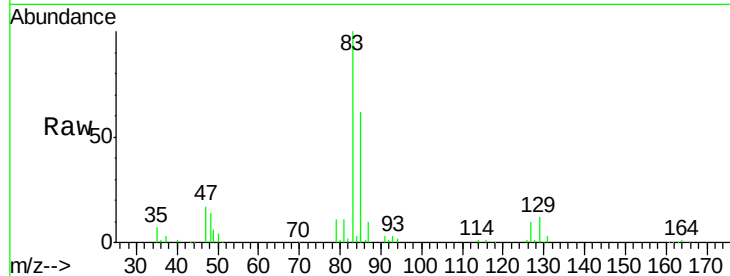
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	142017
Ion	Ratio	Lower	Upper
83	100		
85	61.6	50.6	75.8
127	9.8	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 44.707 ug/l

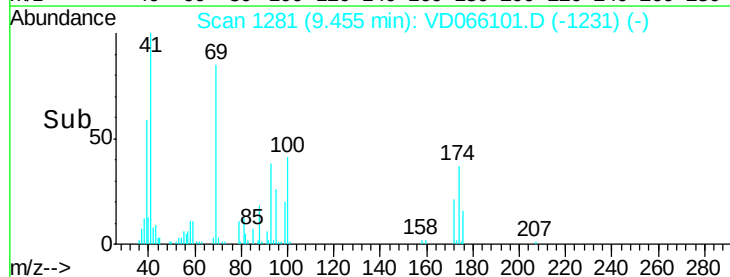
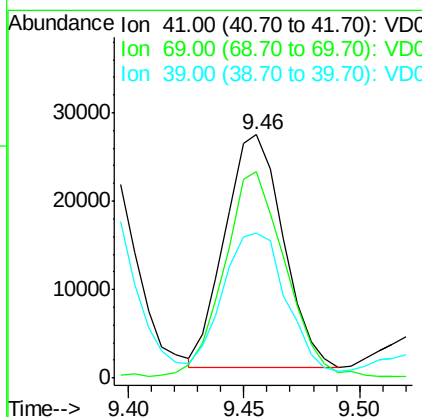
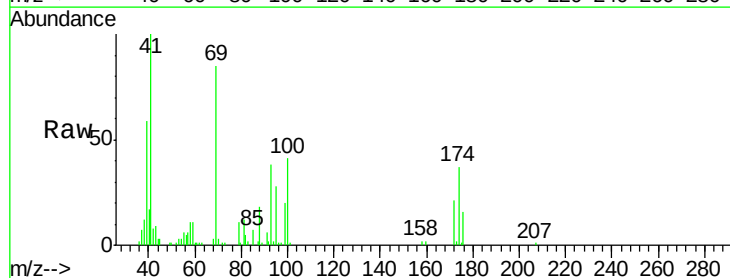
RT: 9.46 min Scan# 1281

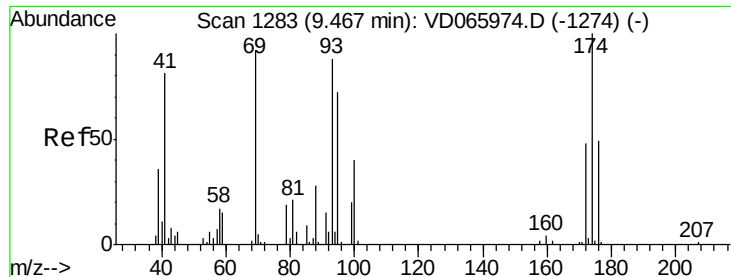
Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Tgt Ion:	41	Resp:	46081
Ion	Ratio	Lower	Upper
41	100		
69	95.3	65.1	97.7
39	63.4	41.5	62.3#





#49

1,4-Dioxane

Concen: 1027.577 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

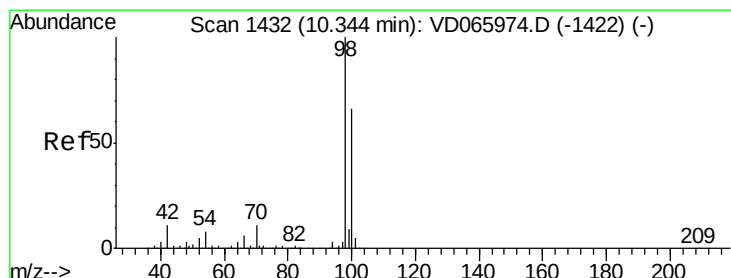
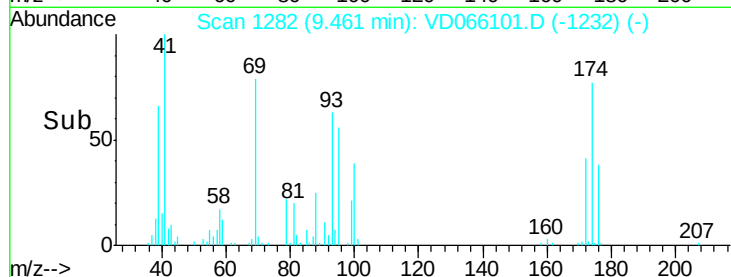
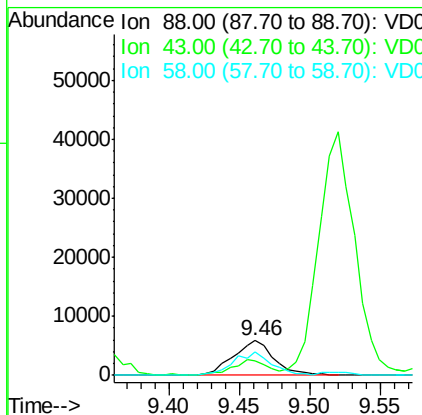
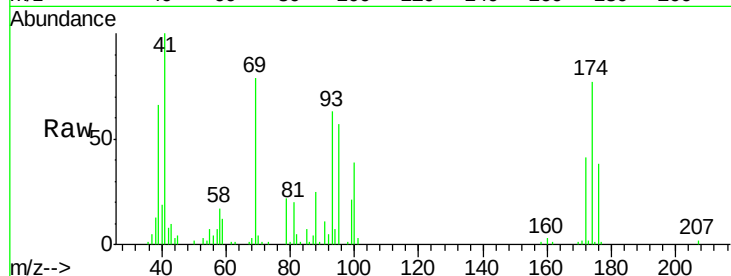
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	11896
Ion	Ratio	Lower	Upper
88	100		
43	37.7	29.0	43.6
58	62.2	57.0	85.4

Manual Integrations
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#50

Toluene-d8

Concen: 54.027 ug/l

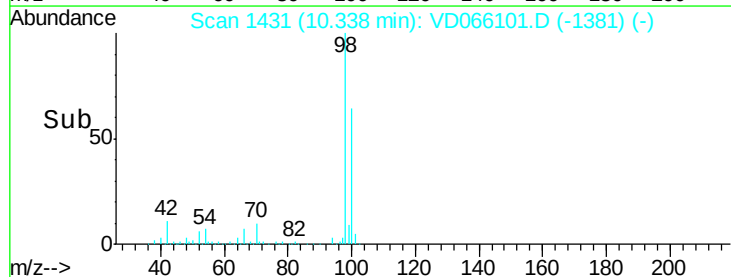
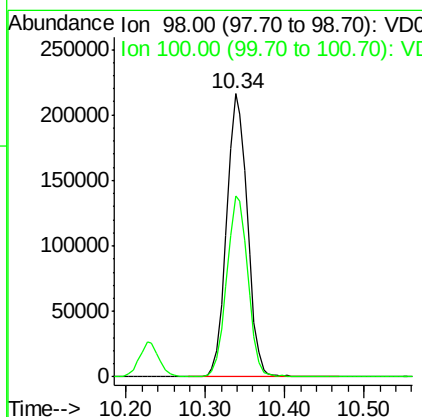
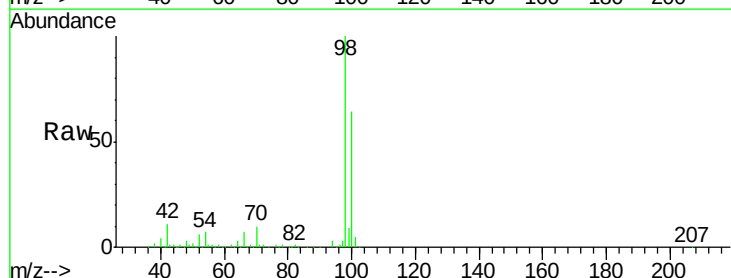
RT: 10.34 min Scan# 1431

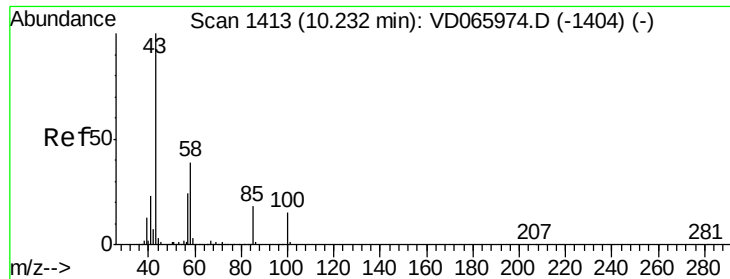
Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Tgt Ion:	98	Resp:	391839
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1





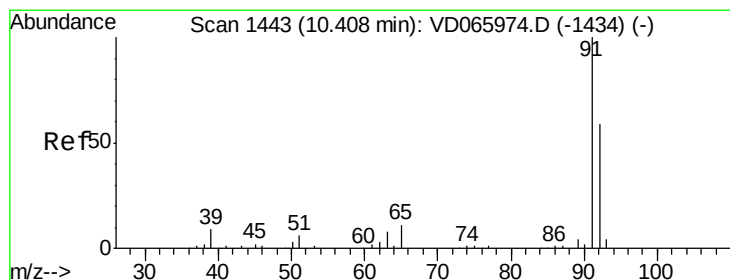
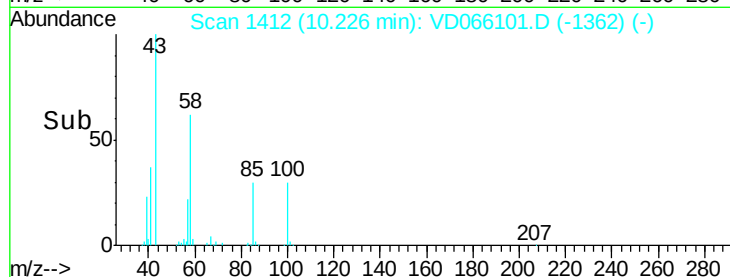
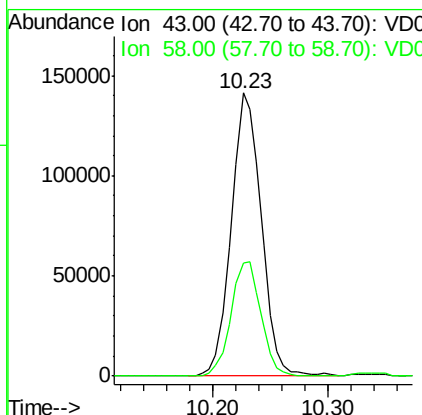
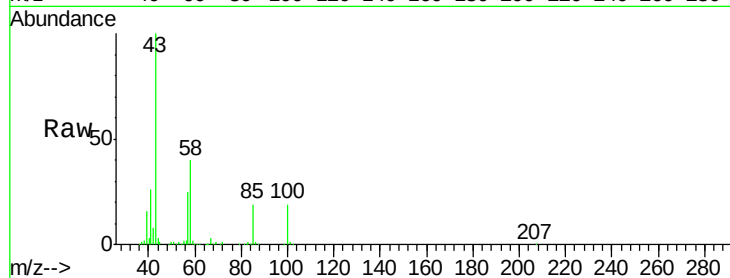
#51
4-Methyl-2-Pentanone
Concen: 247.160 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	254469
Ion Ratio	100	Lower	Upper
43	100		
58	40.3	31.3	46.9

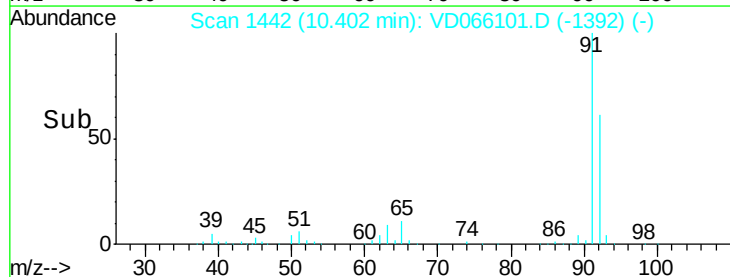
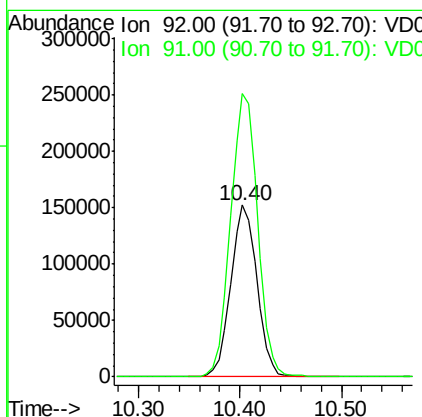
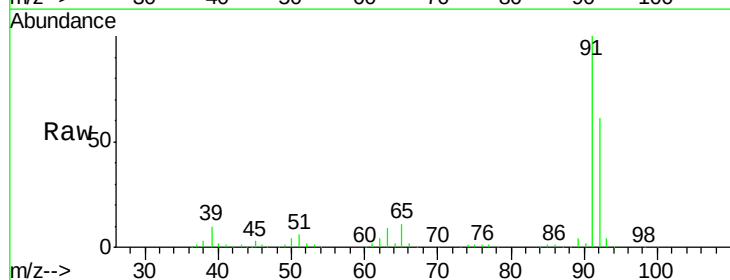
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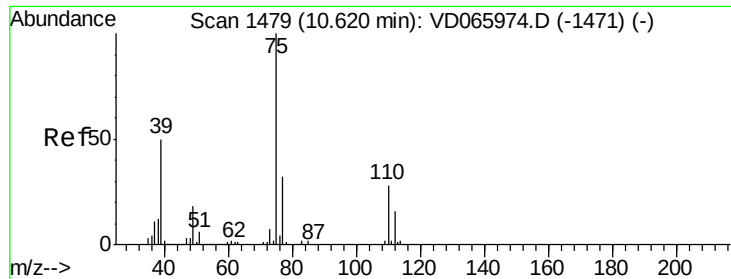
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#52
Toluene
Concen: 54.705 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion	92	Resp	273420
Ion Ratio	100	Lower	Upper
92	100		
91	170.2	134.5	201.7





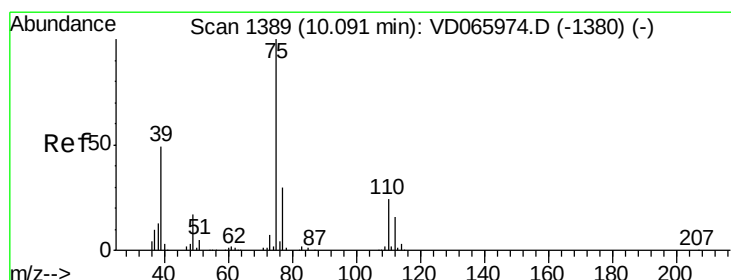
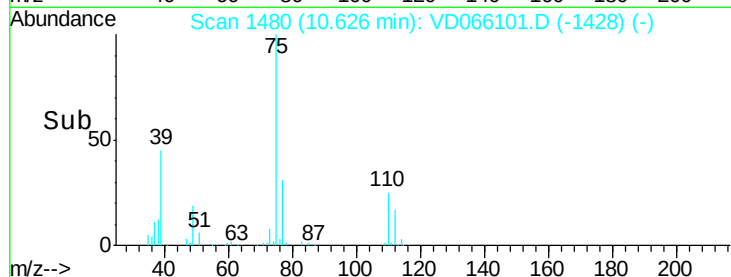
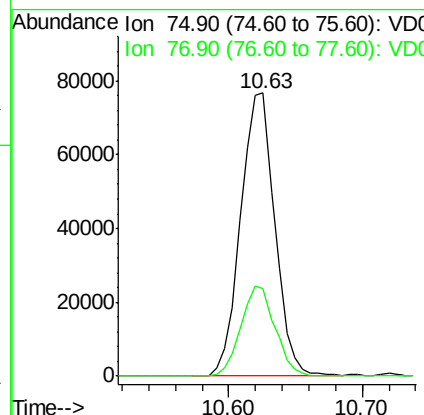
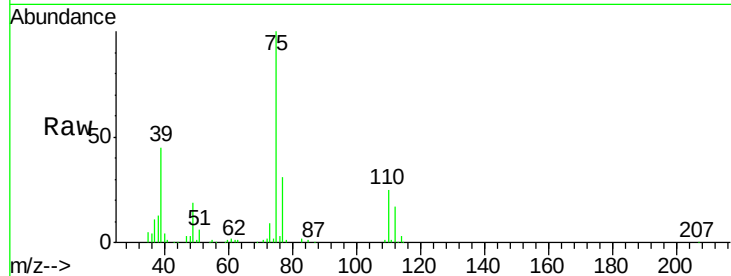
#53
 t-1,3-Dichloropropene
 Concen: 55.267 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 136041
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.8 38.6

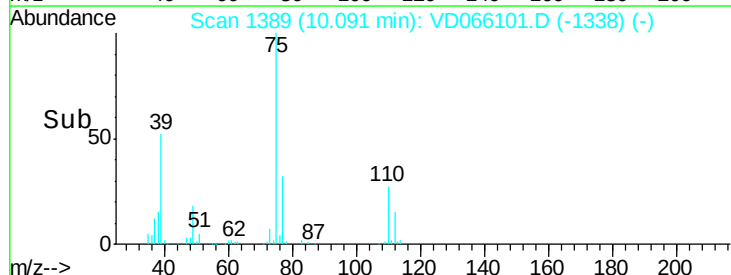
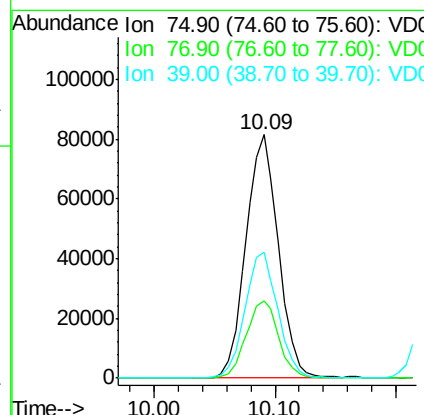
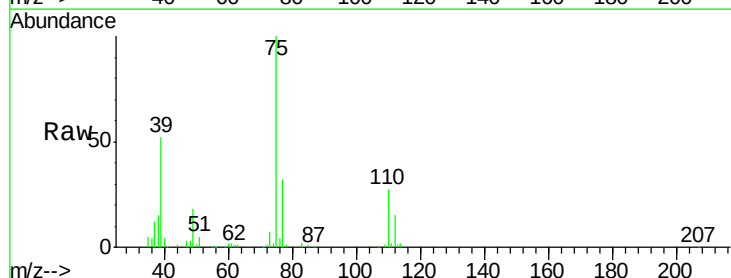
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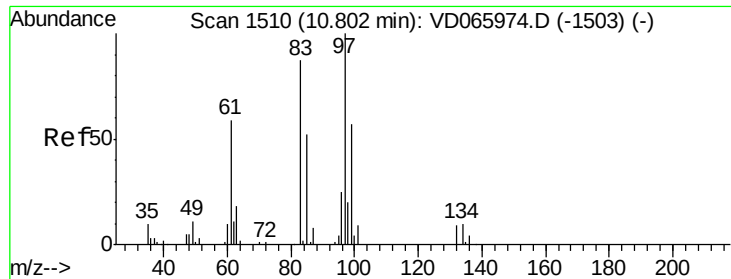
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#54
 cis-1,3-Dichloropropene
 Concen: 51.085 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Tgt Ion: 75 Resp: 152427
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.8 35.8
 39 51.9 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 52.586 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 74524

Ion Ratio Lower Upper

97 100

83 82.1 69.7 104.5

85 53.8 41.6 62.4

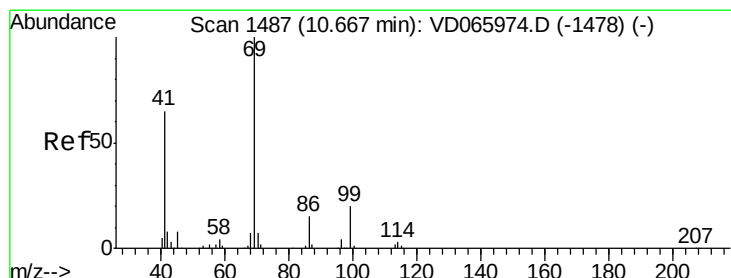
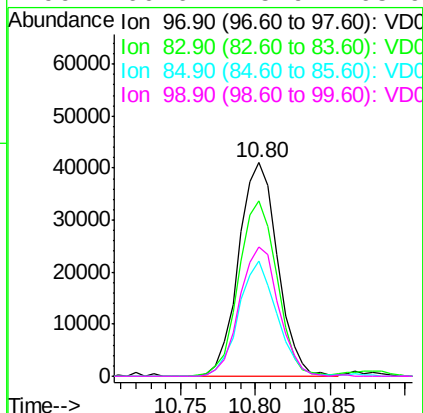
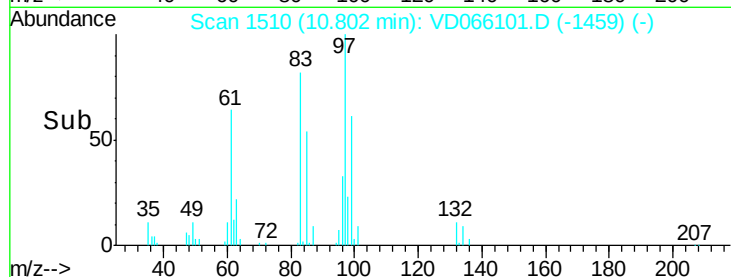
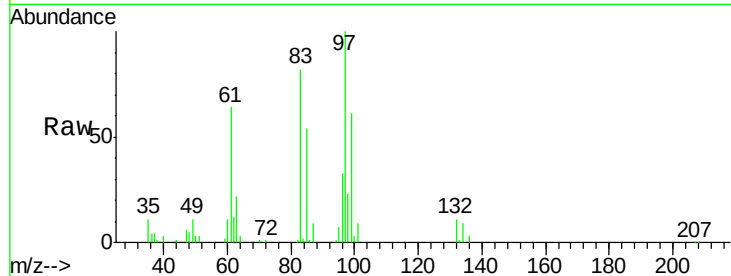
99 60.6 45.9 68.9

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#56

Ethyl methacrylate

Concen: 54.531 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

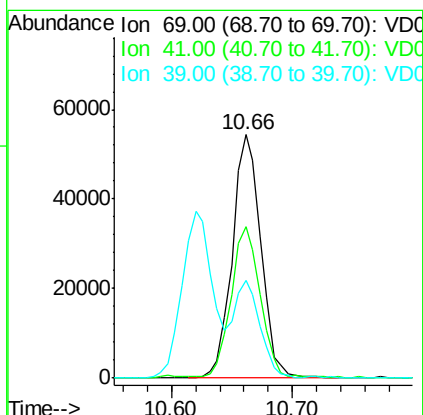
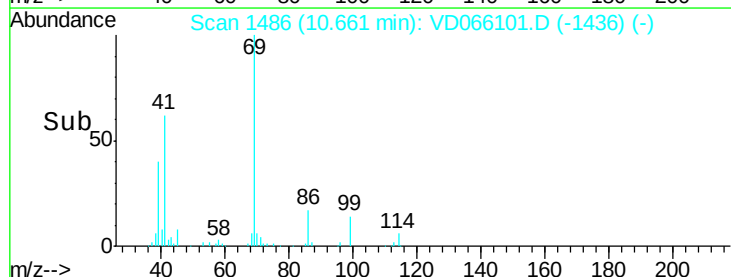
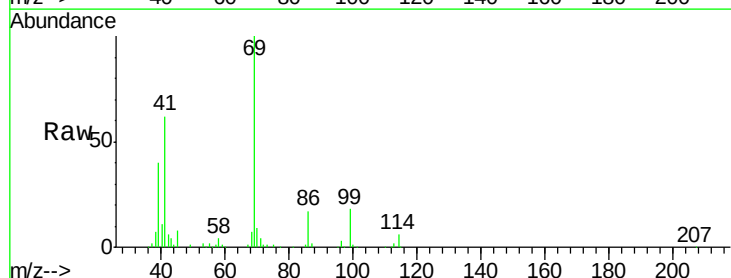
Tgt Ion: 69 Resp: 89849

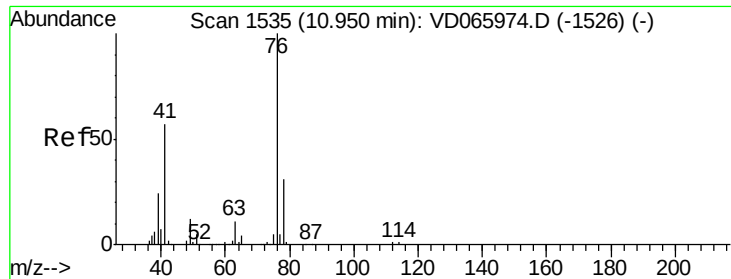
Ion Ratio Lower Upper

69 100

41 61.9 52.3 78.5

39 36.6 25.2 37.8





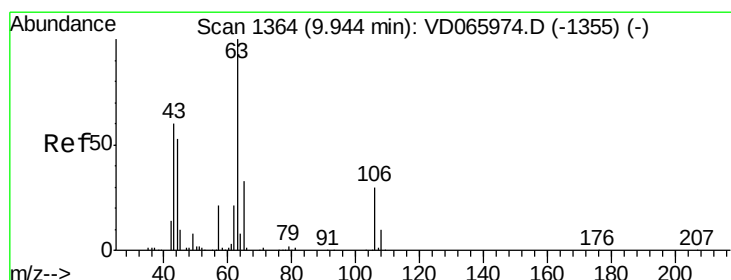
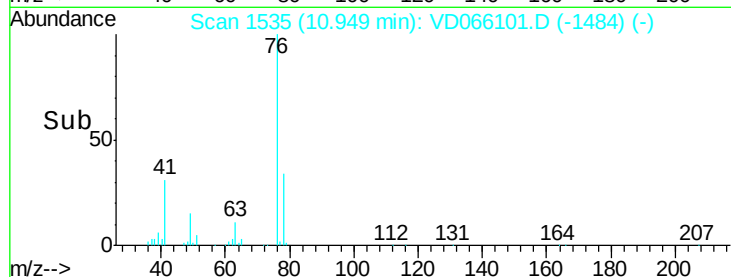
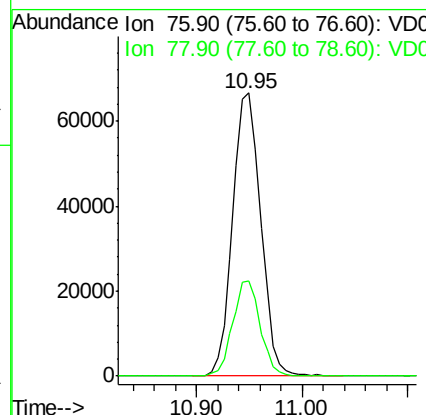
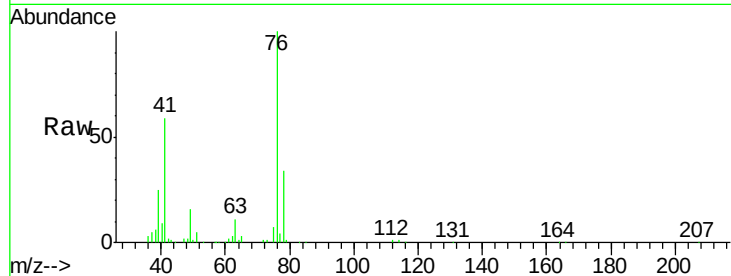
#57
 1,3-Dichloropropane
 Concen: 52.114 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 122263
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.6 38.4

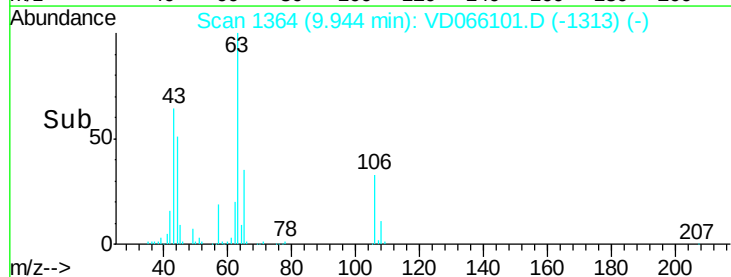
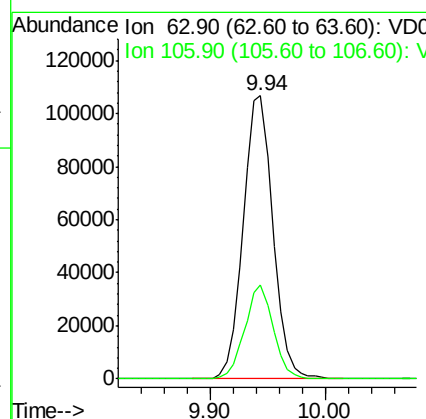
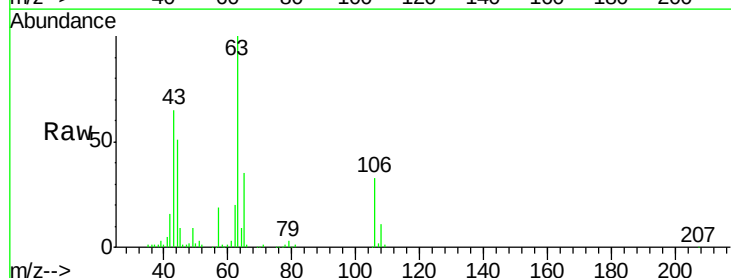
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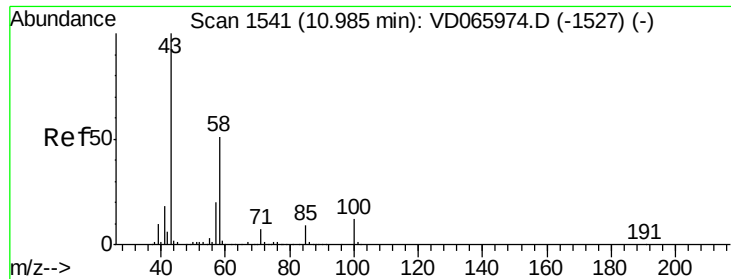
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#58
 2-Chloroethyl Vinyl ether
 Concen: 242.105 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Tgt Ion: 63 Resp: 190562
 Ion Ratio Lower Upper
 63 100
 106 31.9 24.4 36.6





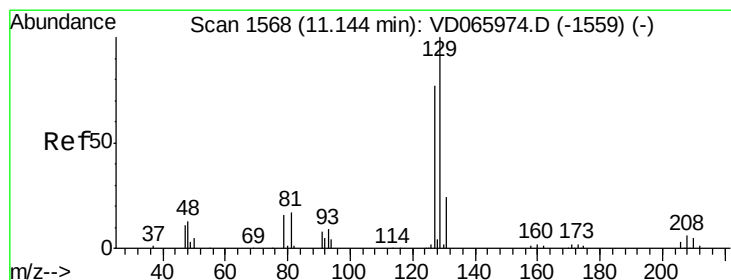
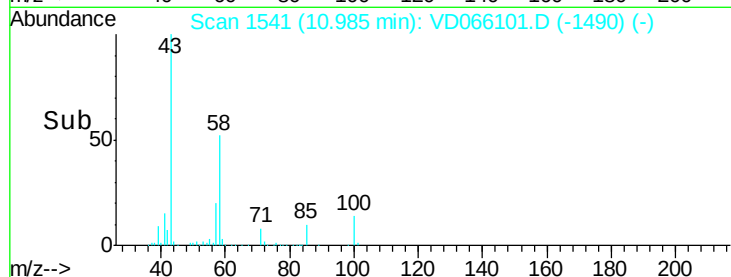
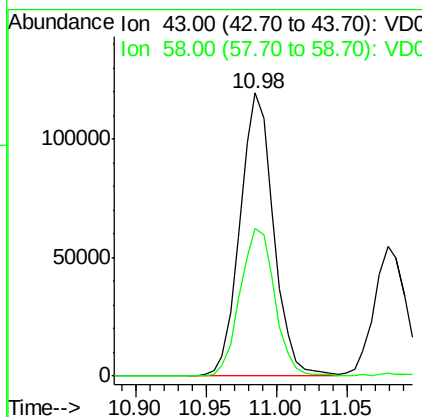
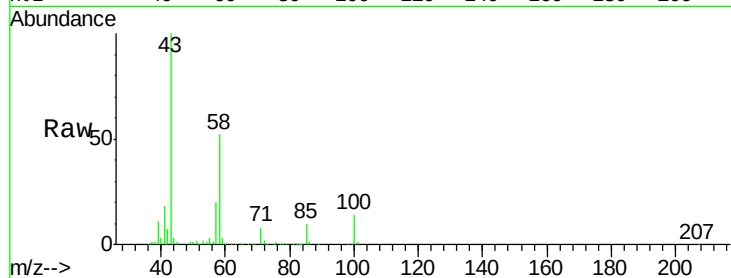
#59
2-Hexanone
Concen: 279.142 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 199162
Ion Ratio Lower Upper
43 100
58 53.9 26.2 78.6

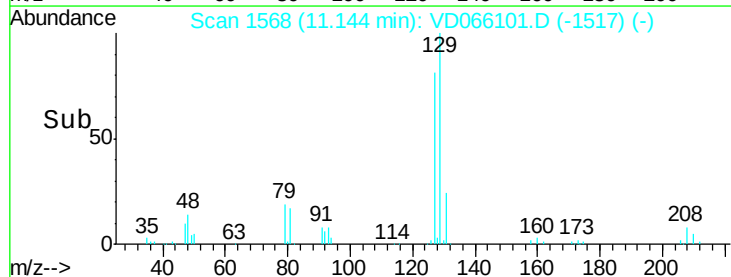
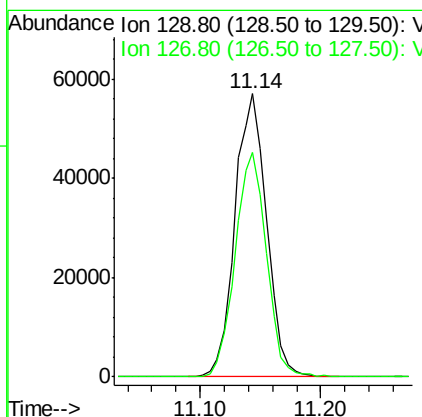
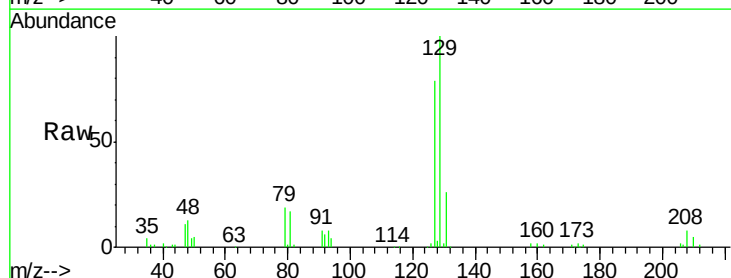
Manual Integrations
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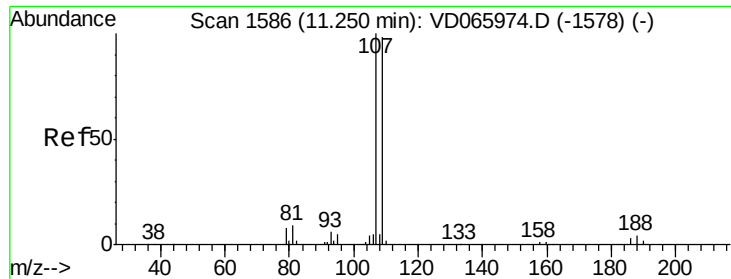
MMDadoda
7/31/2020 11:56:10 AM



#60
Dibromochloromethane
Concen: 54.456 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion:129 Resp: 104055
Ion Ratio Lower Upper
129 100
127 78.5 38.6 115.7





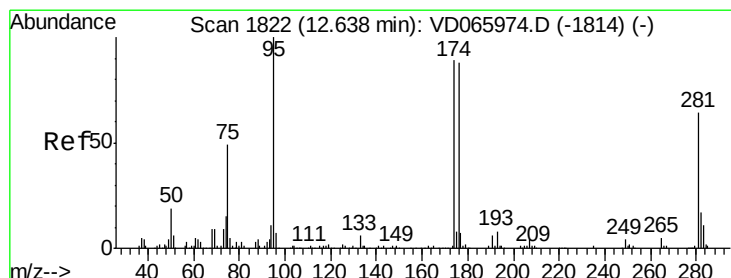
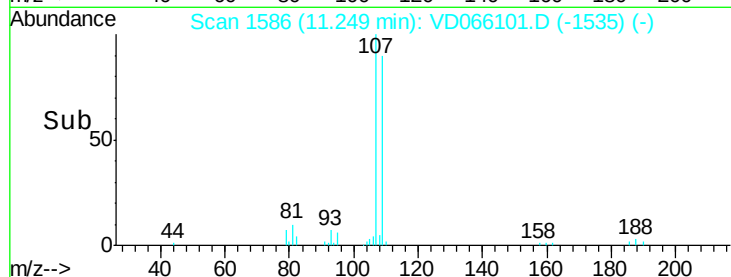
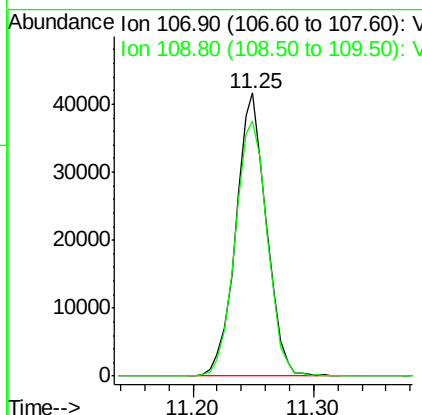
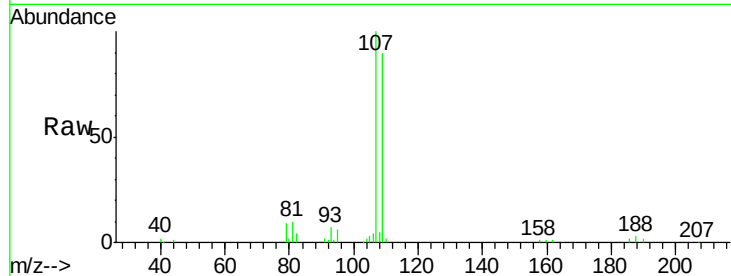
#61
 1,2-Dibromoethane
 Concen: 53.551 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 73173
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.0 112.4

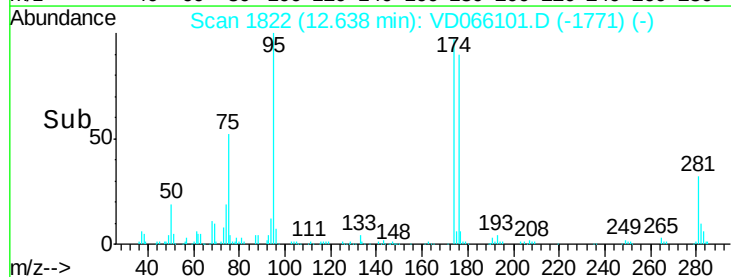
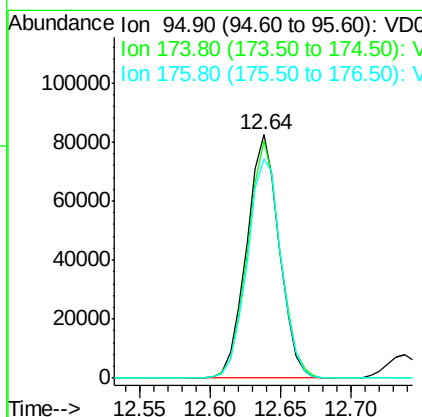
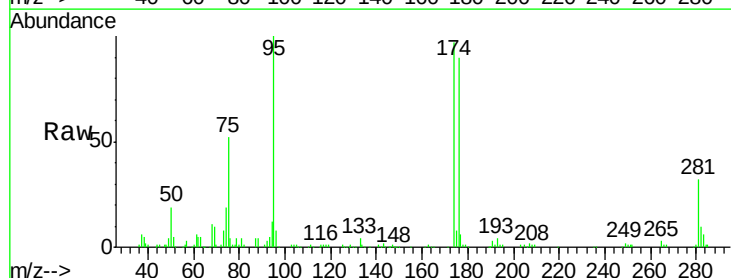
Manual Integrations
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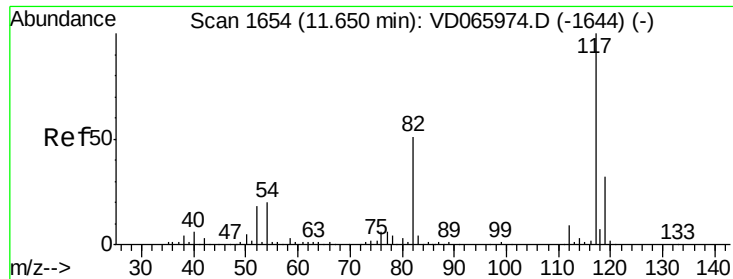
MMDadoda
 7/31/2020 11:56:10 AM



#62
 4-Bromofluorobenzene
 Concen: 53.218 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Tgt Ion: 95 Resp: 133832
 Ion Ratio Lower Upper
 95 100
 174 97.0 0.0 178.8
 176 93.4 0.0 172.6





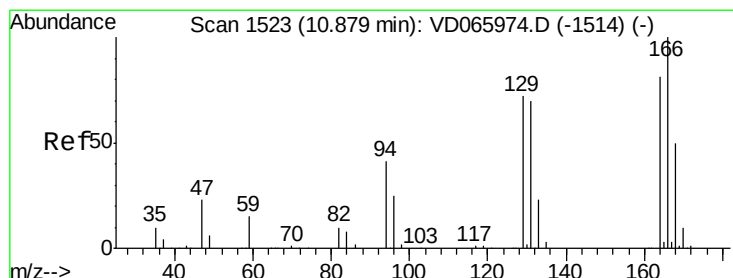
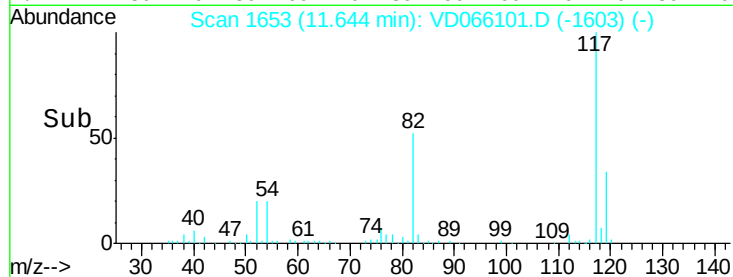
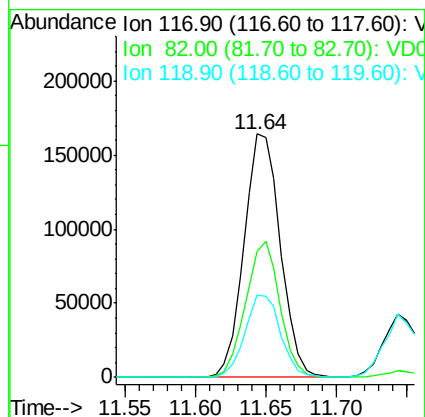
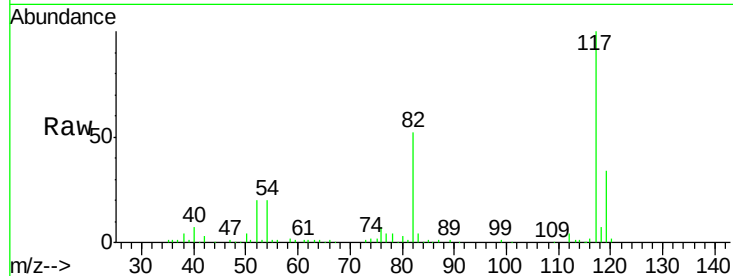
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	296030		
82	51.6		41.1	61.7
119	33.9		25.9	38.9

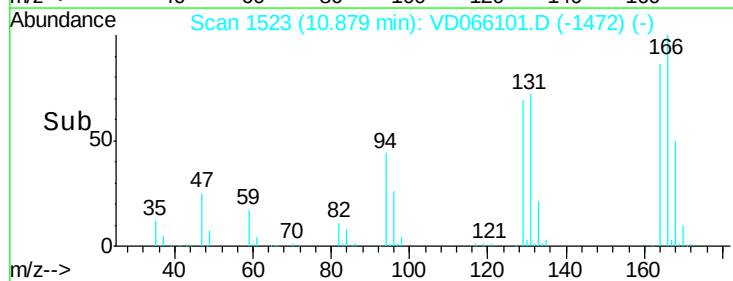
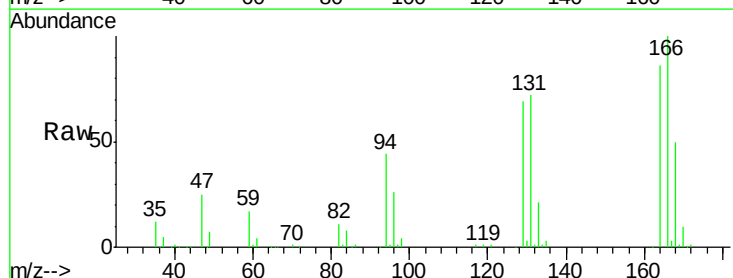
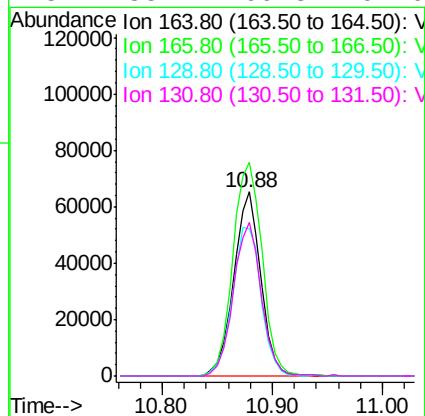
Manual Integrations
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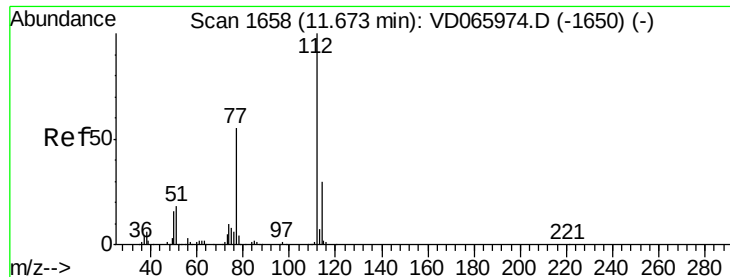
MMDadoda
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#64
Tetrachloroethene
Concen: 55.465 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	111444		
166	116.1		99.1	148.7
129	80.3		71.5	107.3
131	83.7		69.8	104.6





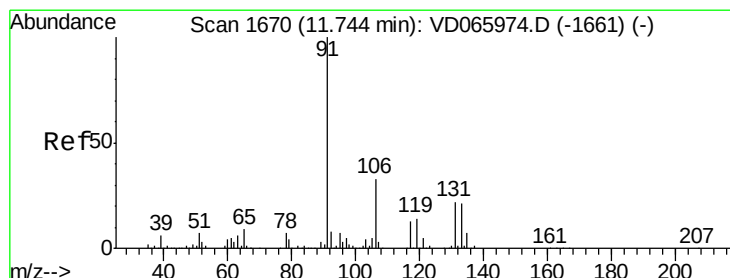
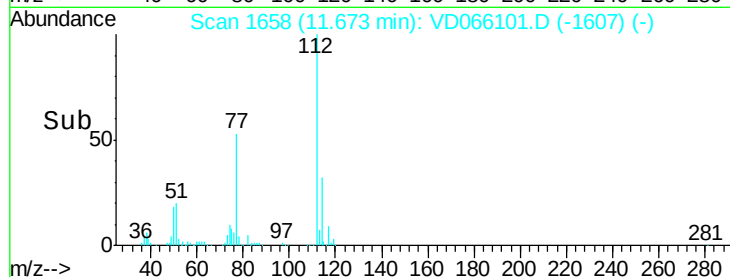
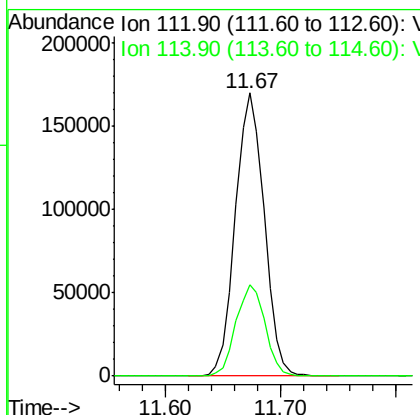
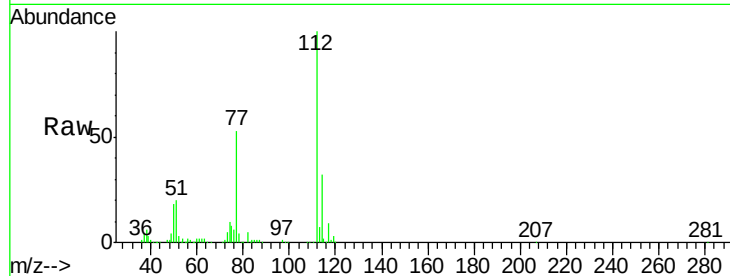
#65
Chlorobenzene
Concen: 54.270 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	24.4	36.6

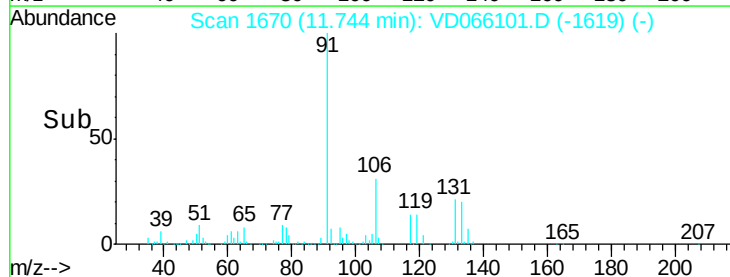
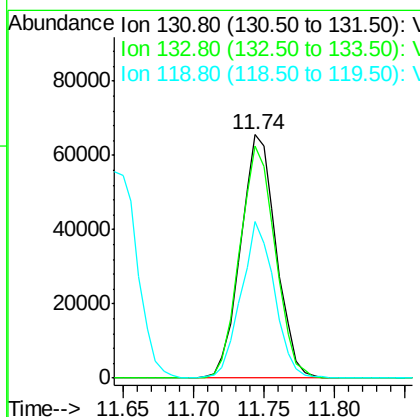
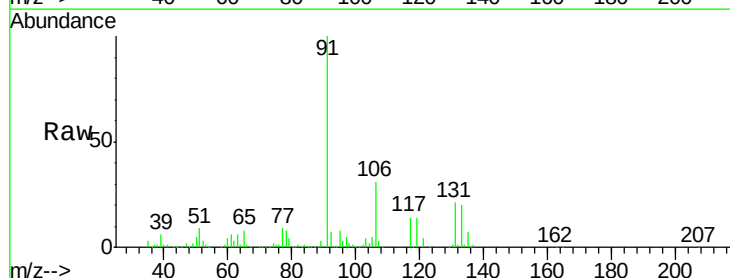
Manual Integrations
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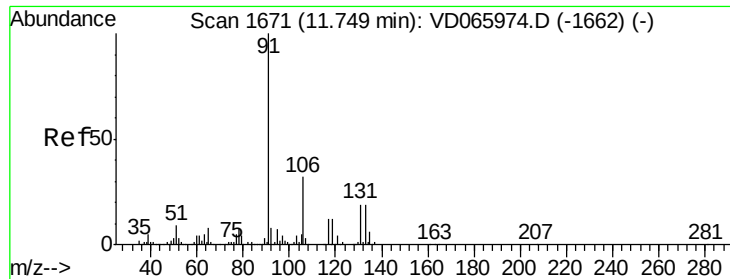
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.579 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.3	142.0
119	60.6	31.7	95.1





#67

Ethyl Benzene

Concen: 56.456 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 526602

Ion Ratio Lower Upper

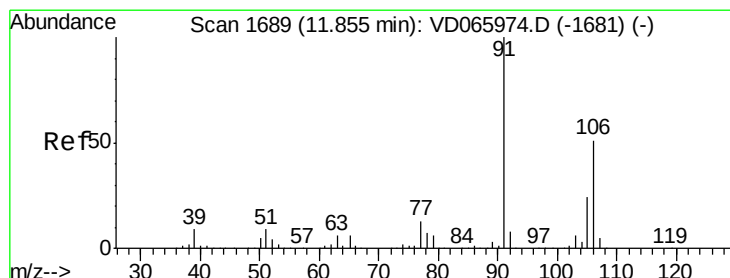
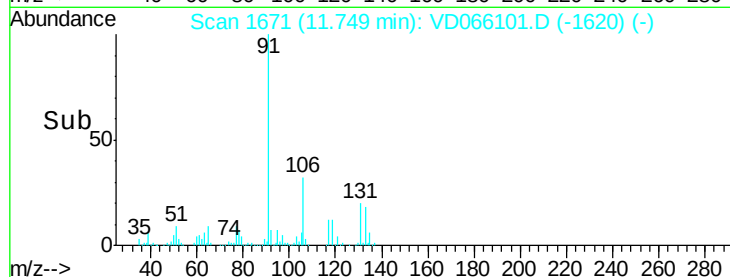
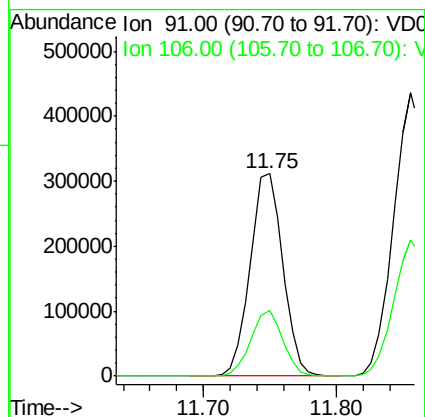
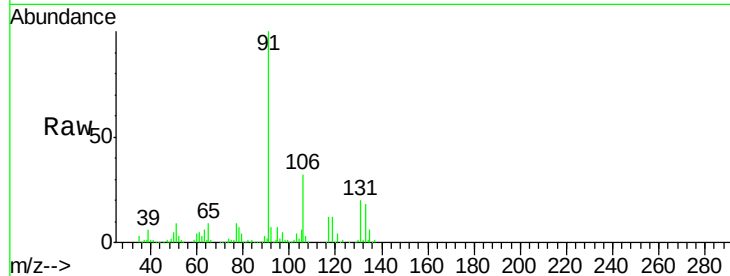
91 100

106 32.3 25.7 38.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 112.068 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD066101.D

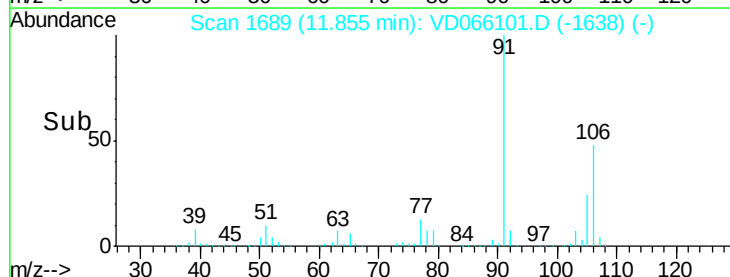
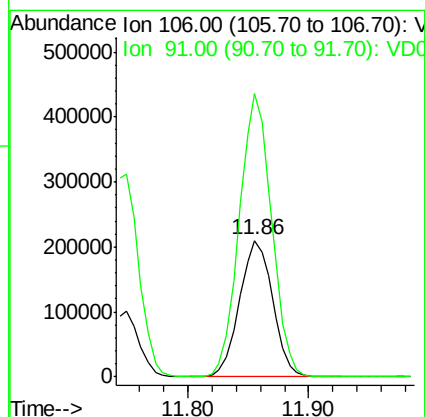
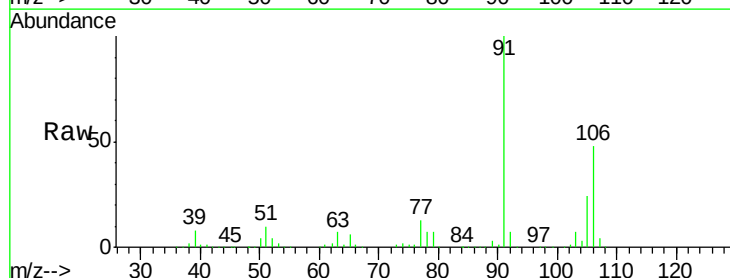
Acq: 30 Jul 2020 10:06

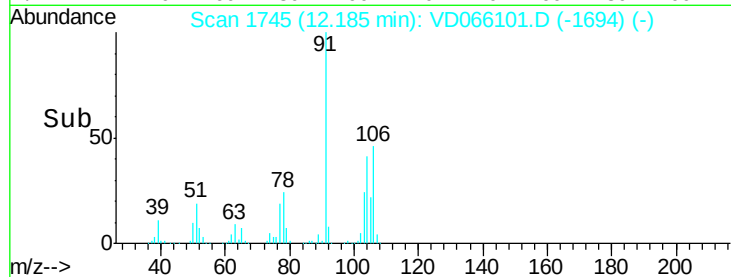
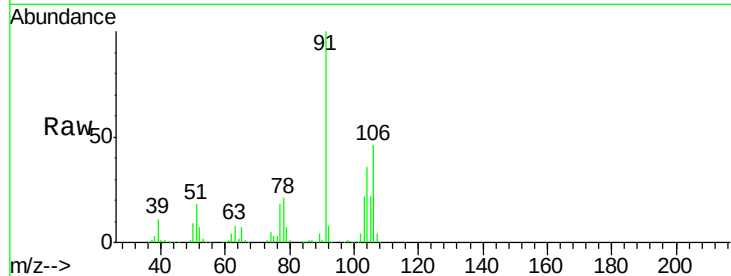
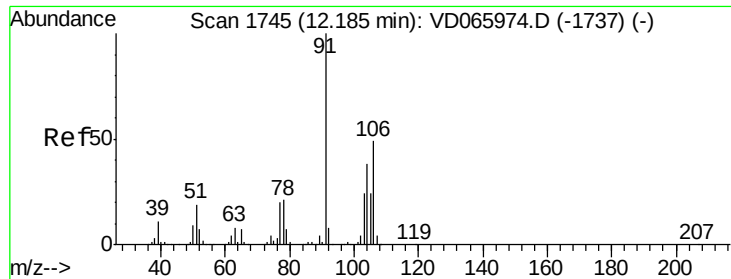
Tgt Ion: 106 Resp: 401783

Ion Ratio Lower Upper

106 100

91 202.5 157.0 235.6





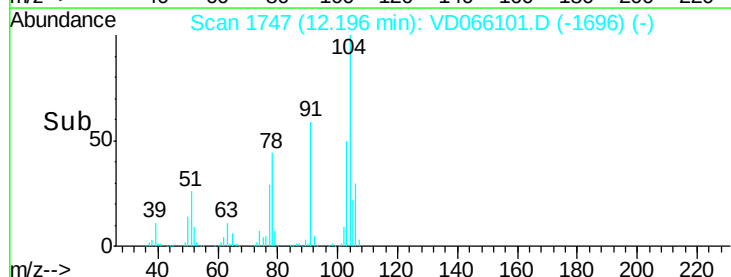
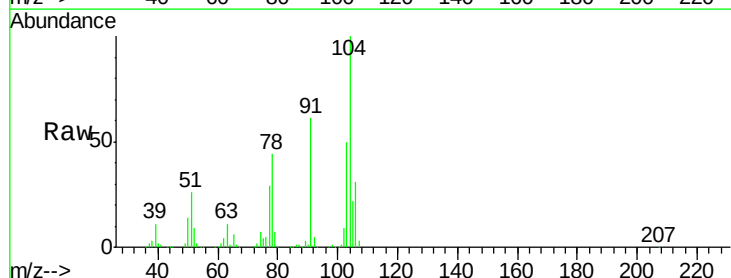
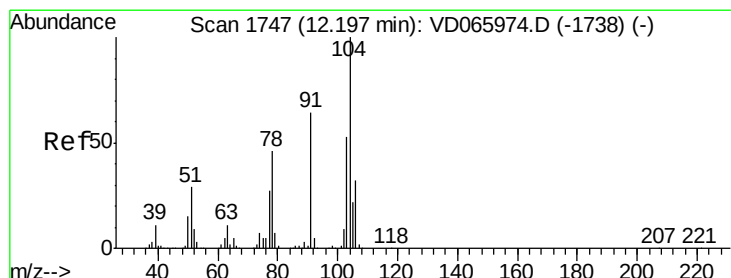
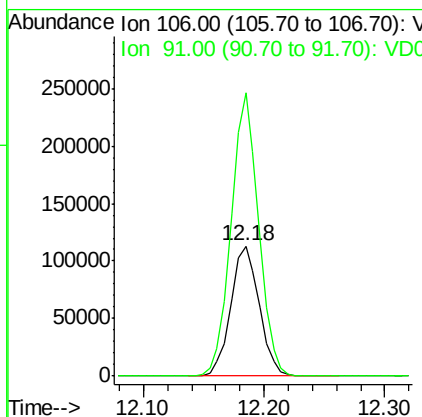
#69
o-Xylene
Concen: 56.914 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	185586		
91	210.2	103.1	309.3	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

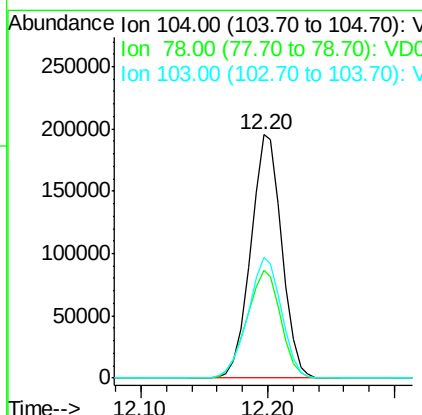
Manual Integrations
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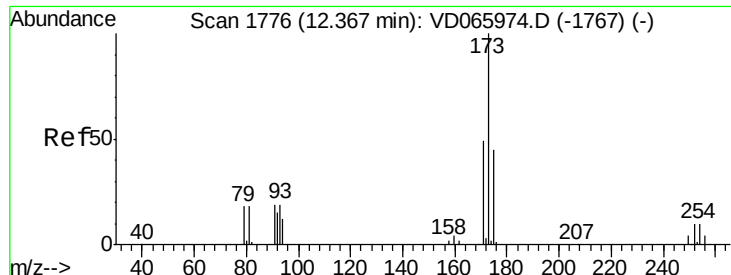
MMDadoda
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#70
Styrene
Concen: 59.241 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	331904		
78	48.2	38.3	57.5	
103	53.6	43.8	65.8	





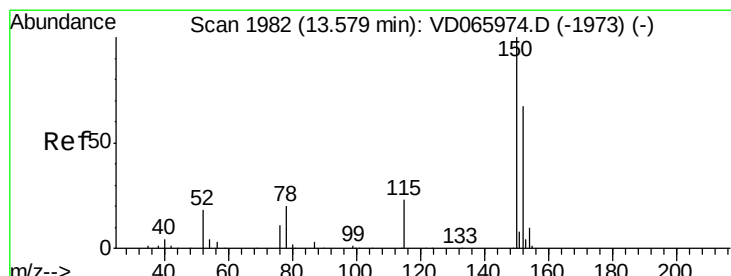
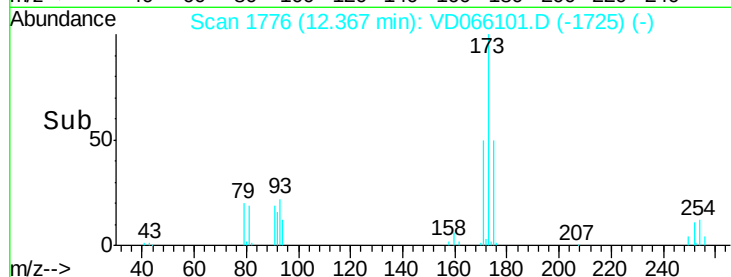
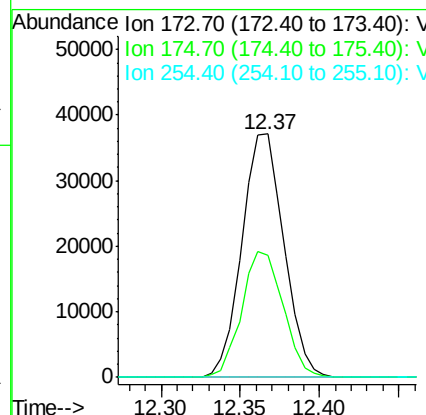
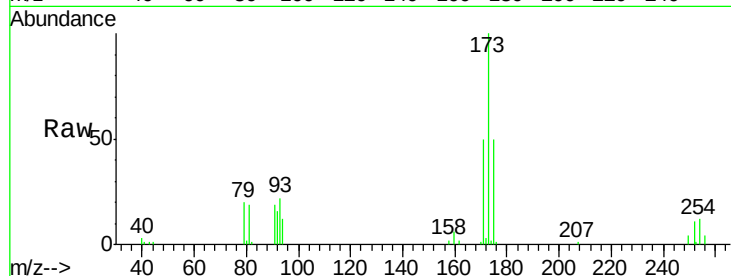
#71
Bromoform
Concen: 58.376 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.9	24.1	72.3
254	0.0	0.0	0.0

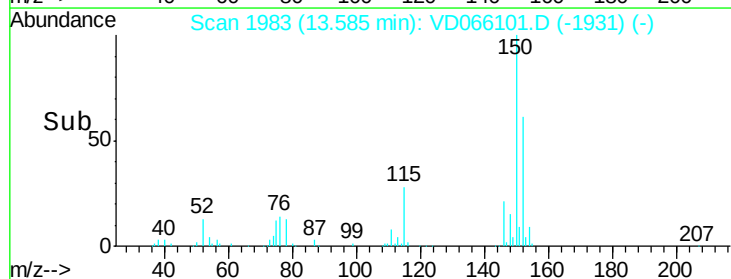
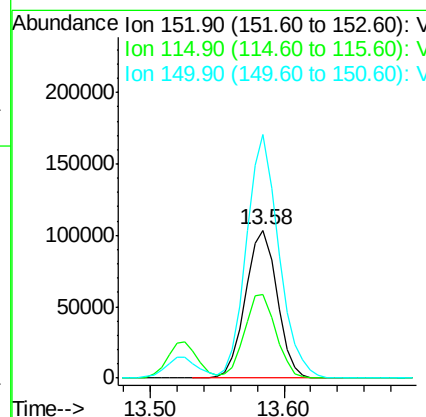
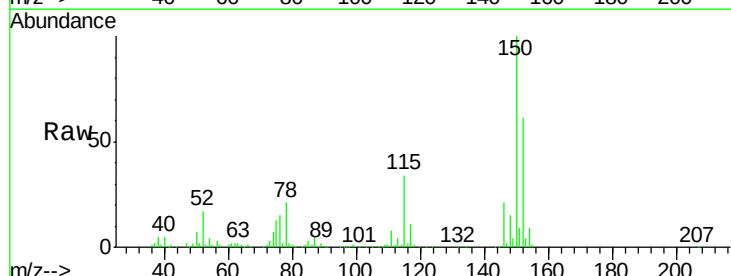
Manual Integrations
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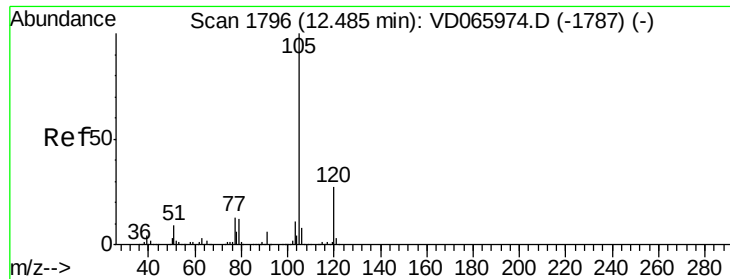
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.9	83.7
150	169.2	0.0	348.2





#73

Isopropylbenzene

Concen: 52.666 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 538076

Ion Ratio Lower Upper

105 100

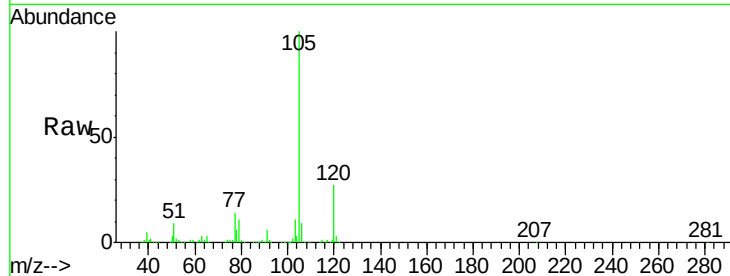
120 26.9 13.6 40.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

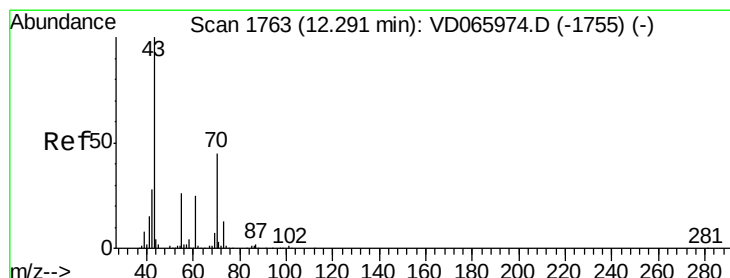
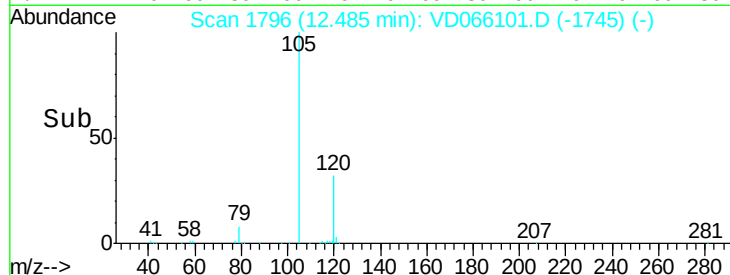
100000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 46.305 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Tgt Ion: 43 Resp: 98090

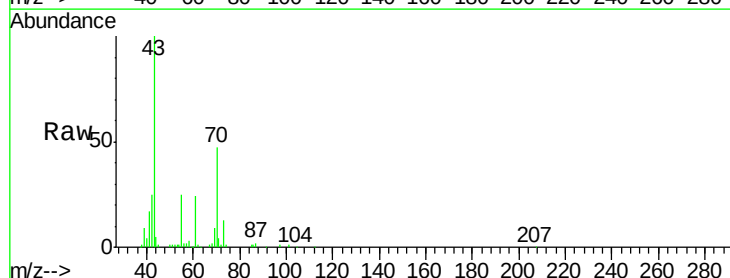
Ion Ratio Lower Upper

43 100

70 43.6 34.6 51.8

55 25.0 20.3 30.5

61 23.9 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

40000

20000

0

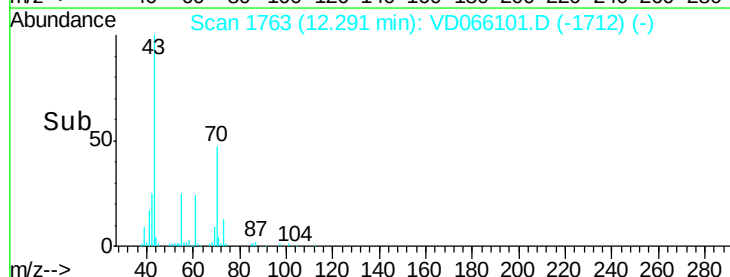
Time-->

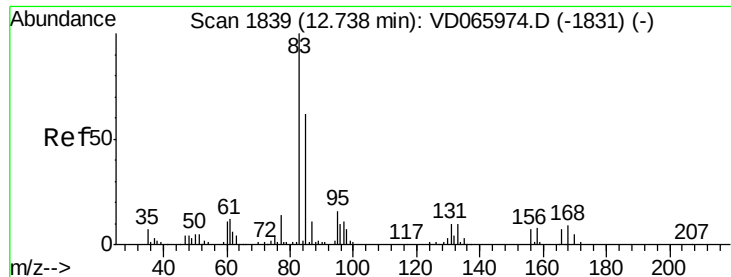
12.20

12.25

12.30

12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 46.754 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

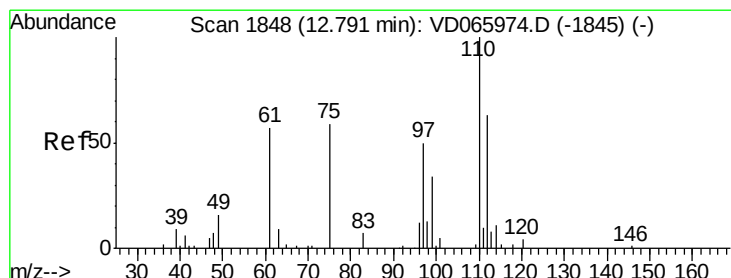
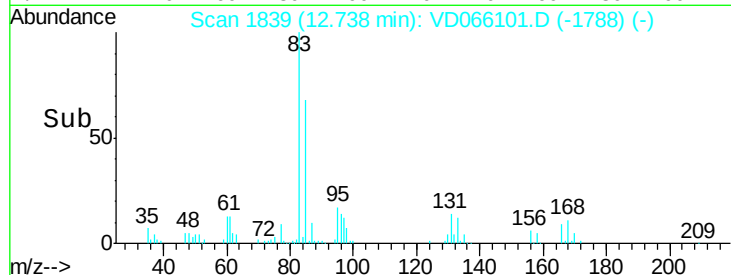
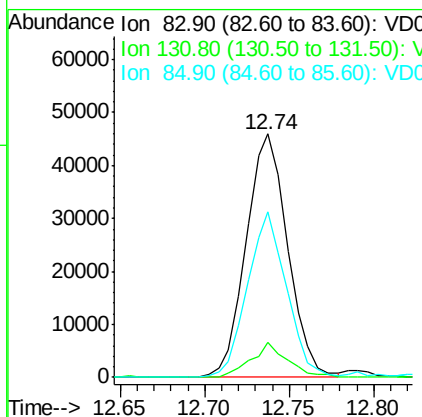
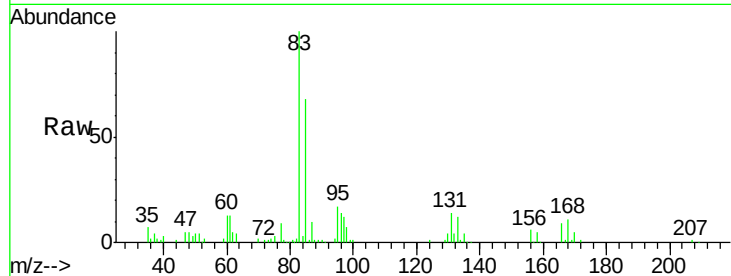
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	78942
Ion	Ratio	Lower	Upper
83	100		
131	12.6	5.7	17.1
85	63.9	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 47.698 ug/l m

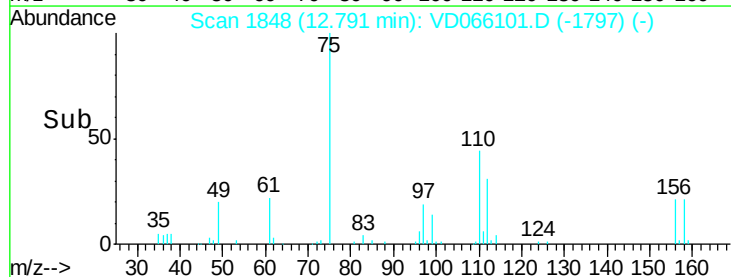
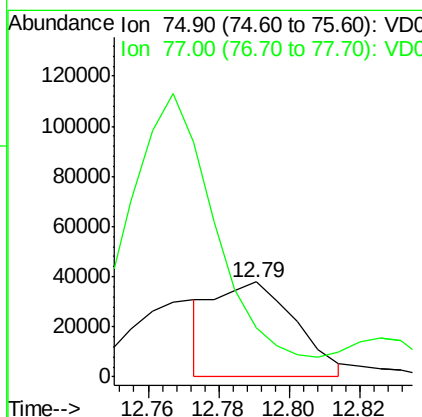
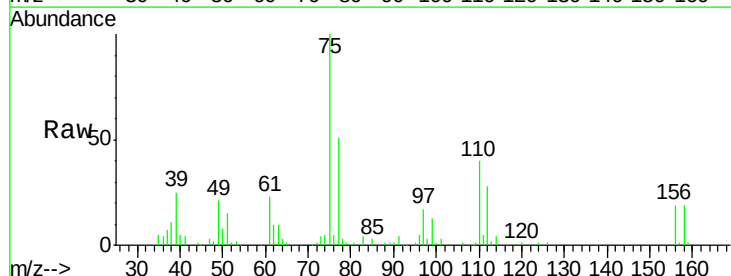
RT: 12.79 min Scan# 1848

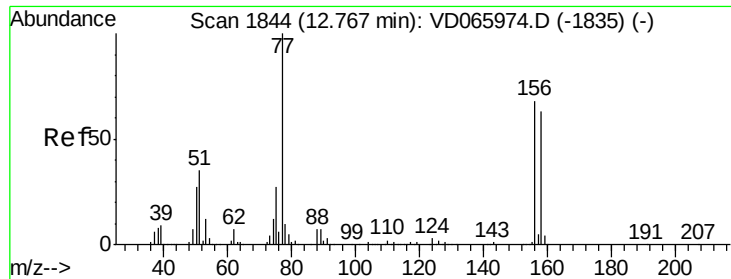
Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Tgt Ion:	75	Resp:	60639
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.015 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

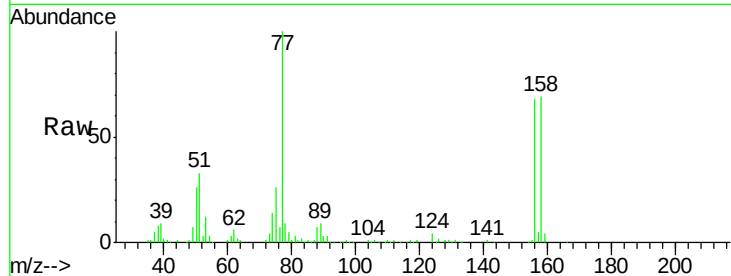
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.8	83.0	249.0
158	97.2	48.2	144.6

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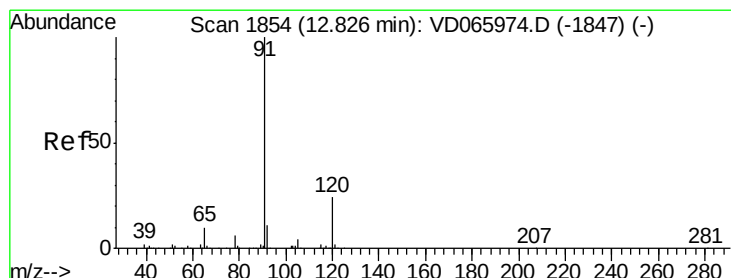
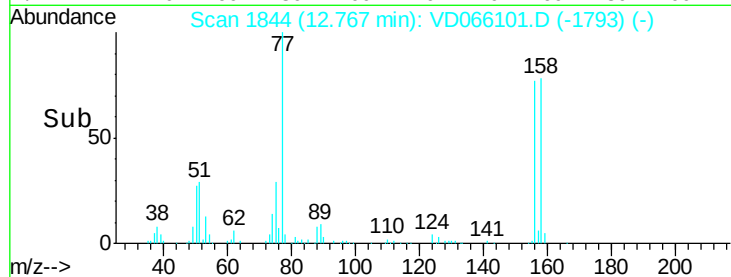
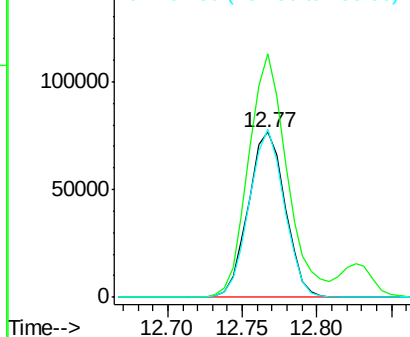
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.580 ug/l

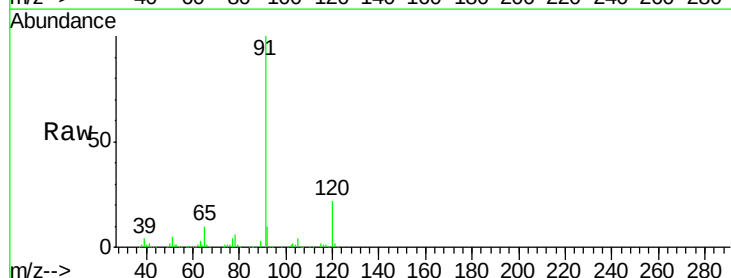
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD066101.D

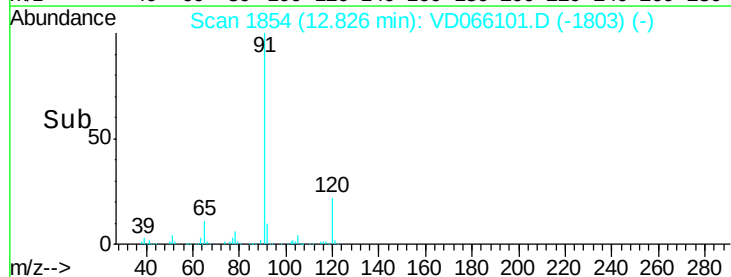
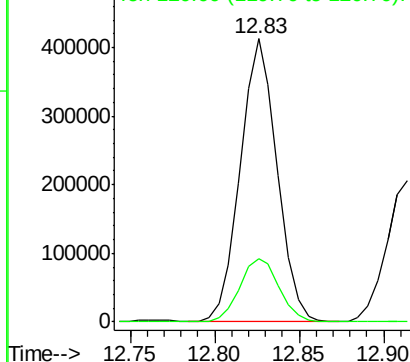
Acq: 30 Jul 2020 10:06

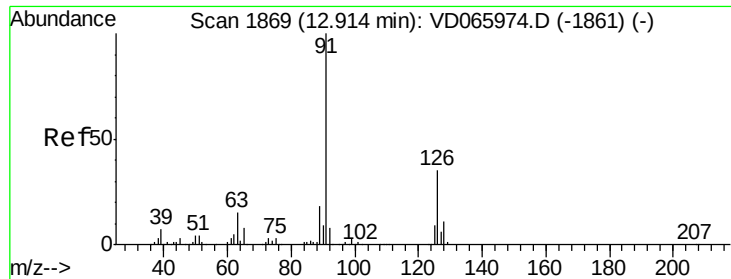
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





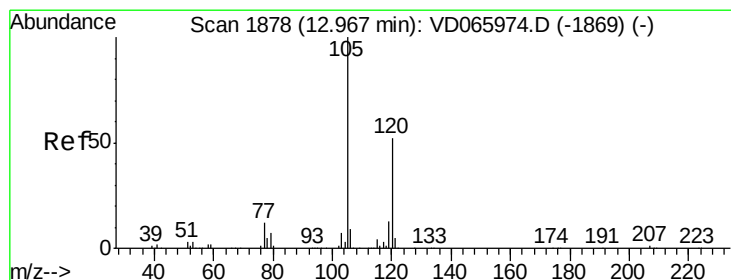
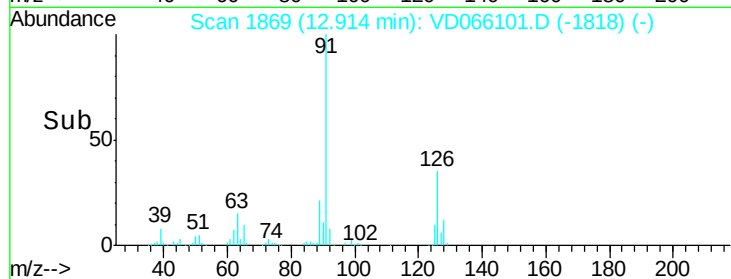
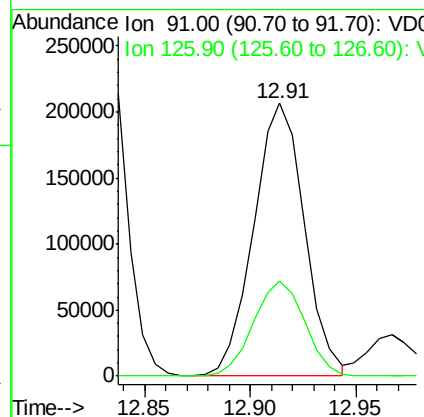
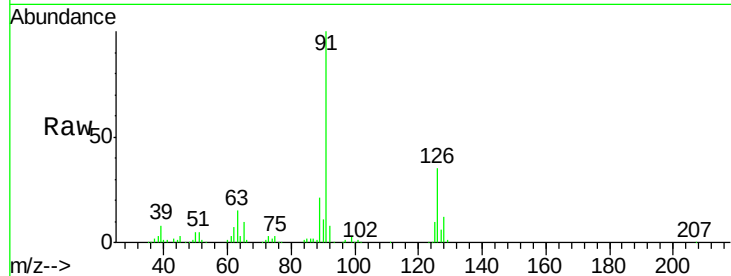
#79
2-Chlorotoluene
Concen: 50.833 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 344295
Ion Ratio Lower Upper
91 100
126 35.3 17.7 53.1

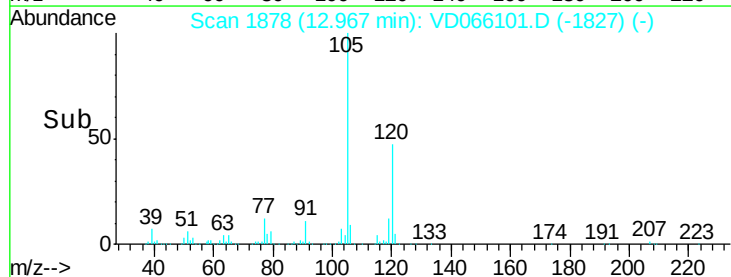
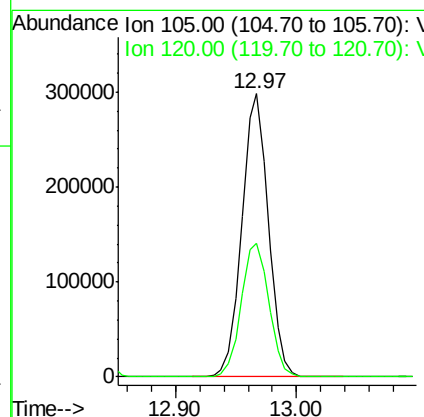
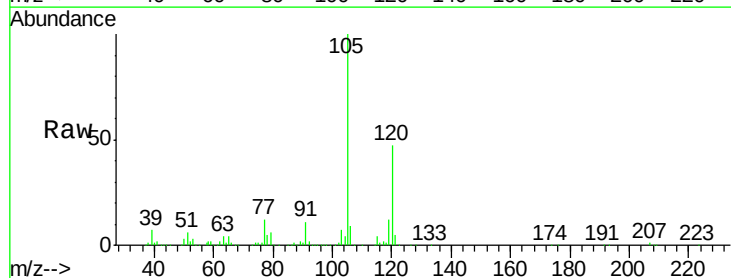
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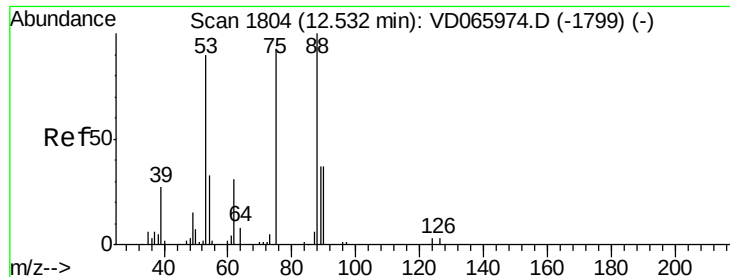
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#80
1,3,5-Trimethylbenzene
Concen: 54.387 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion: 105 Resp: 456513
Ion Ratio Lower Upper
105 100
120 49.4 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 49.694 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 27532

Ion Ratio Lower Upper

75 100

53 95.0 76.8 115.2

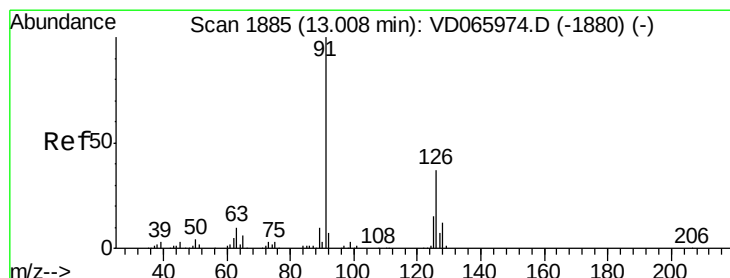
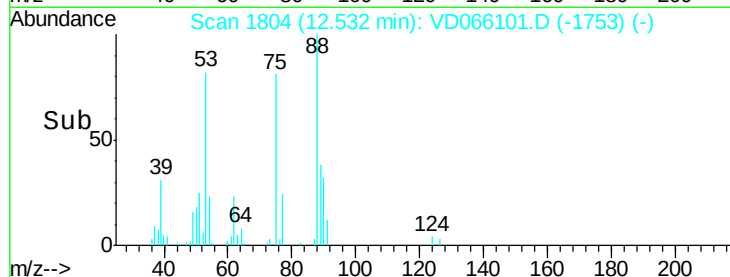
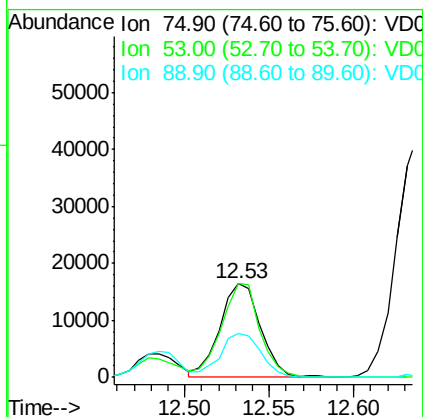
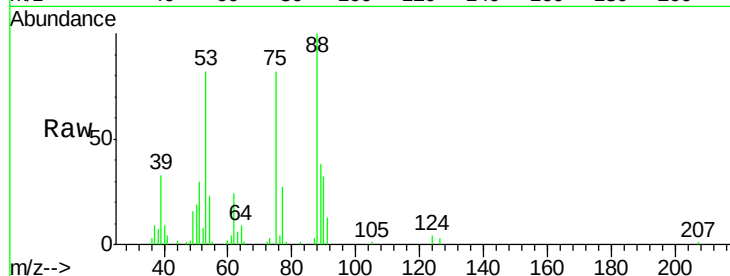
89 45.9 37.0 55.4

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#82

4-Chlorotoluene

Concen: 50.642 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD066101.D

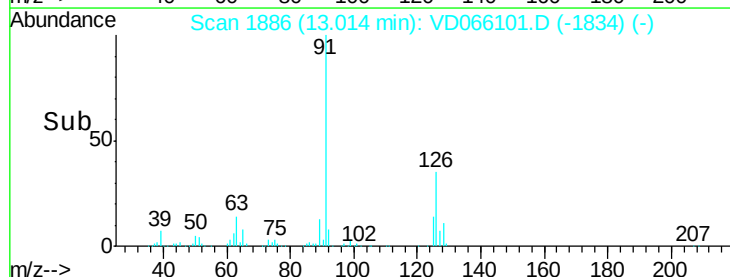
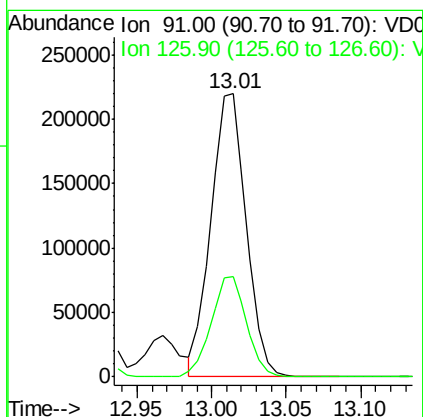
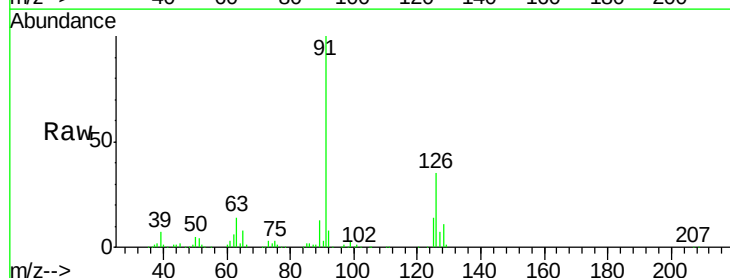
Acq: 30 Jul 2020 10:06

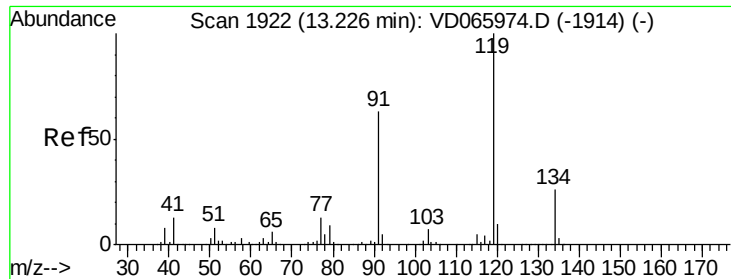
Tgt Ion: 91 Resp: 362045

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.5





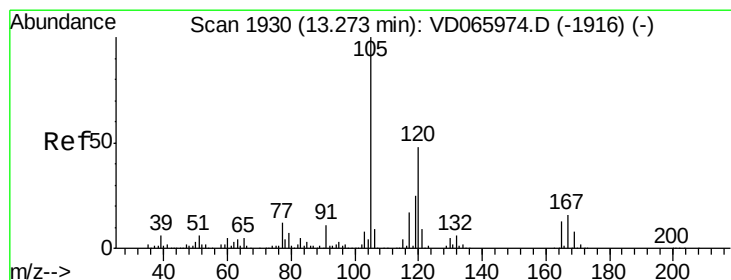
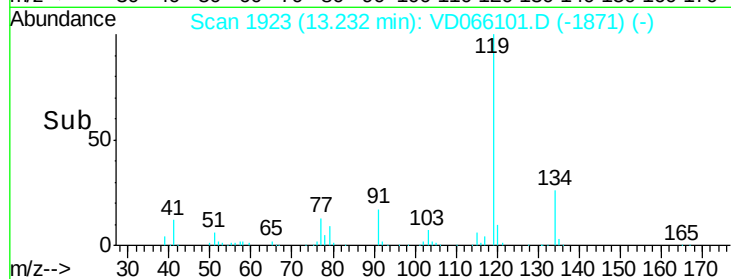
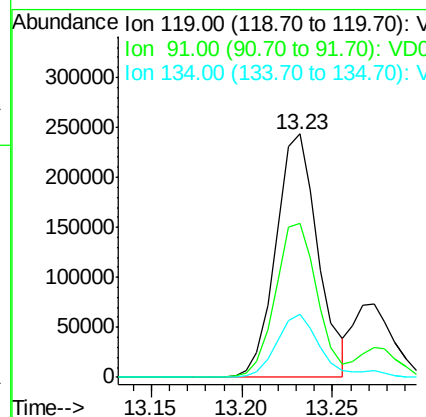
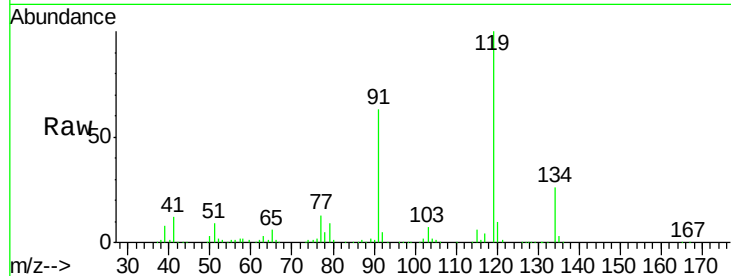
#83
tert-Butylbenzene
Concen: 53.703 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	394455		
91	62.8	30.6	91.6	
134	27.8	13.9	41.7	

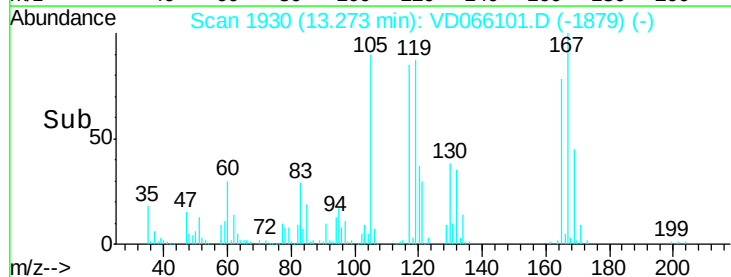
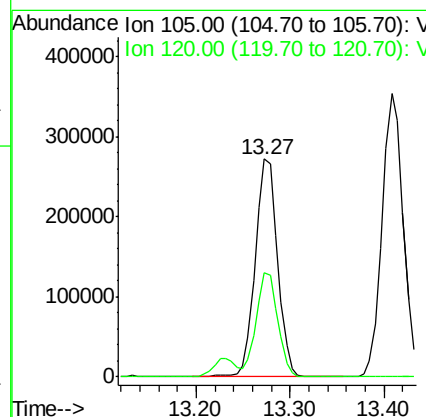
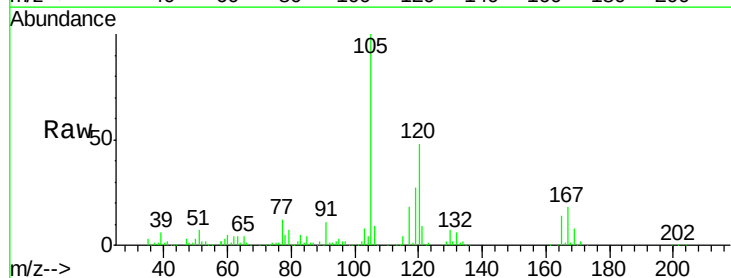
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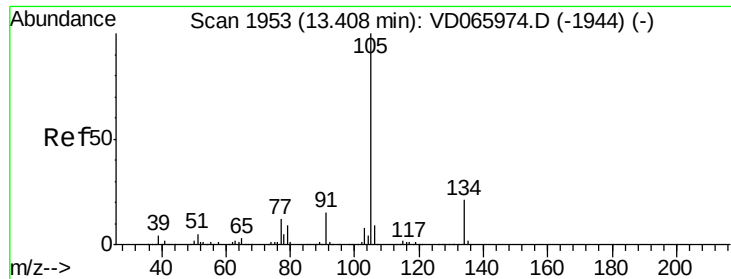
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#84
1,2,4-Trimethylbenzene
Concen: 54.061 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	447688		
120	46.1	23.9	71.8	





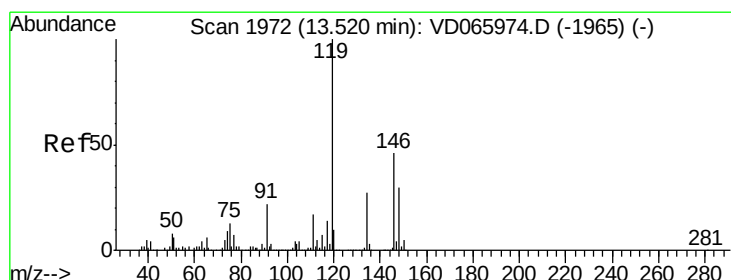
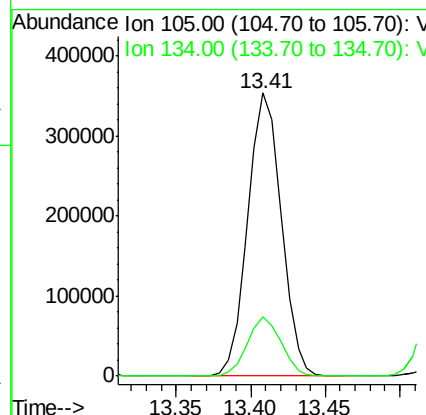
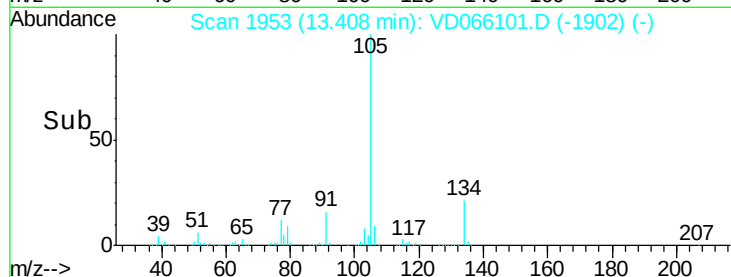
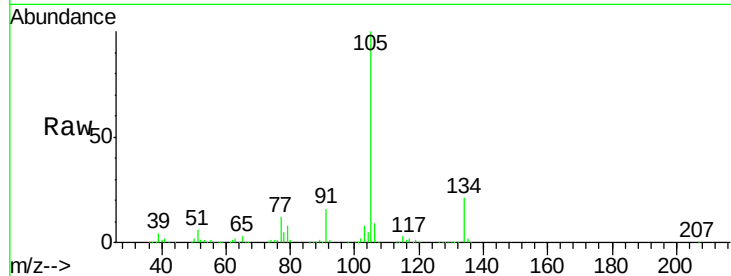
#85
 sec-Butylbenzene
 Concen: 54.384 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.4	31.4

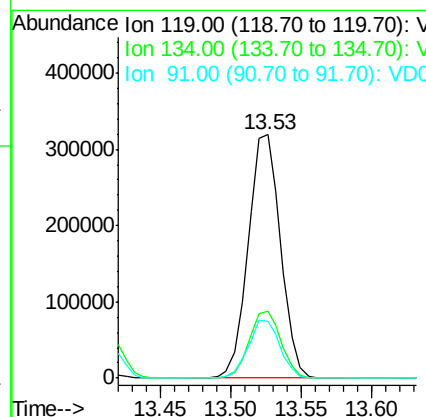
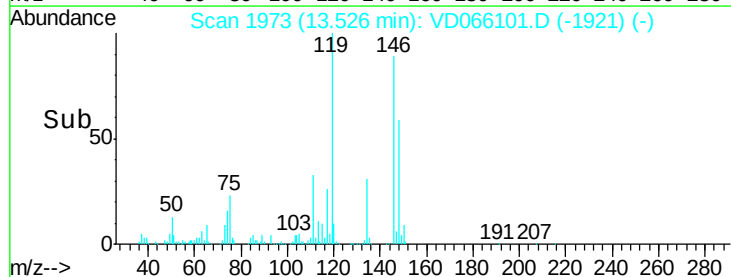
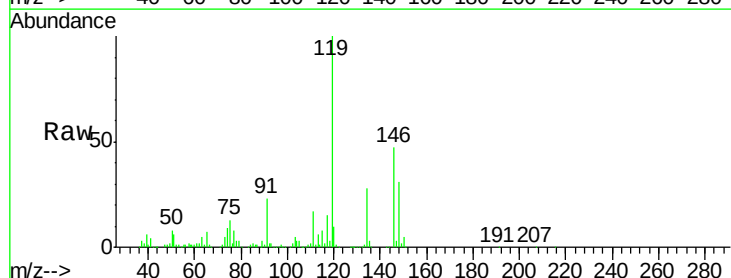
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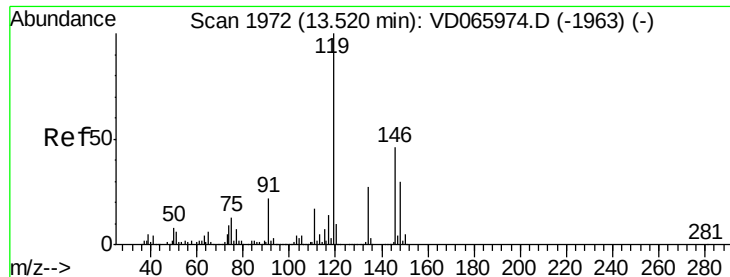
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#86
 p-Isopropyltoluene
 Concen: 55.674 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.4	40.2
91	23.4	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 51.829 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

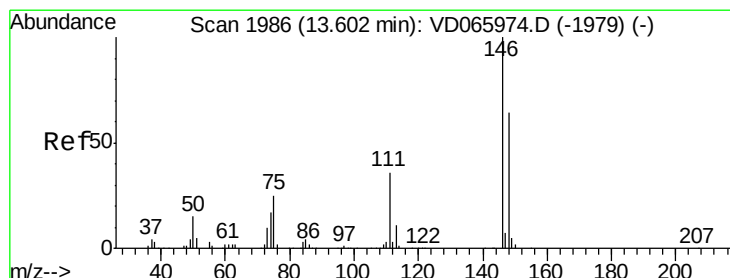
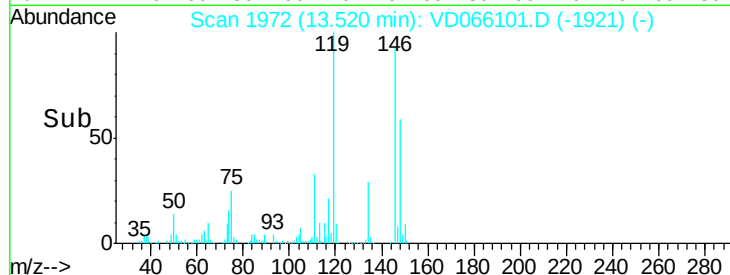
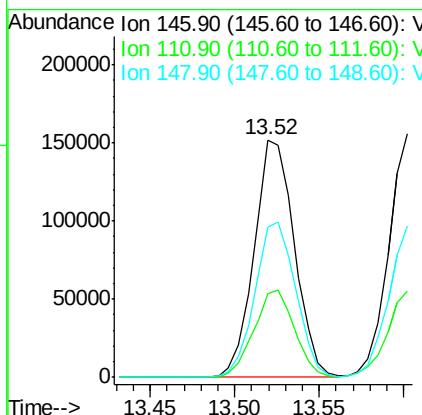
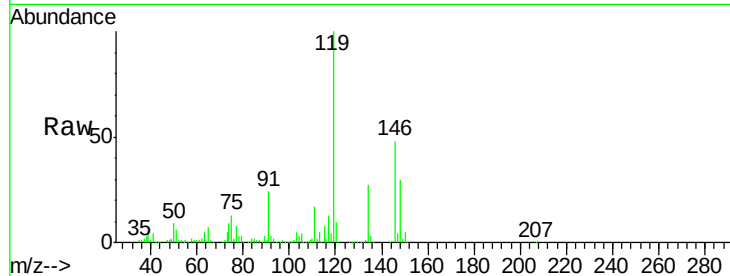
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	251249
Ion Ratio	Lower	Upper	
146	100		
111	36.9	18.6	55.6
148	66.2	32.4	97.0

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#88

1,4-Dichlorobenzene

Concen: 52.047 ug/l

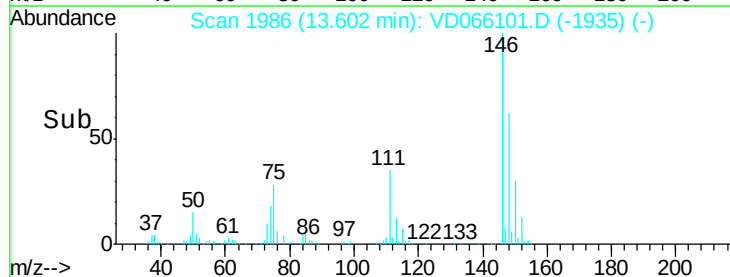
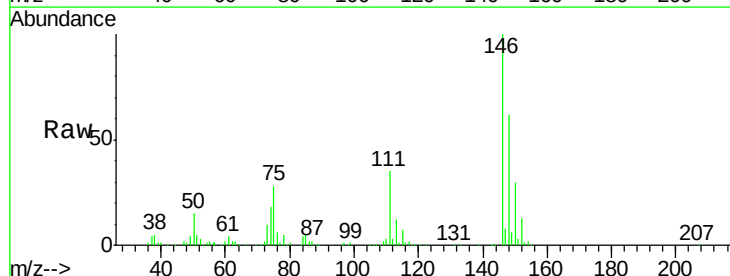
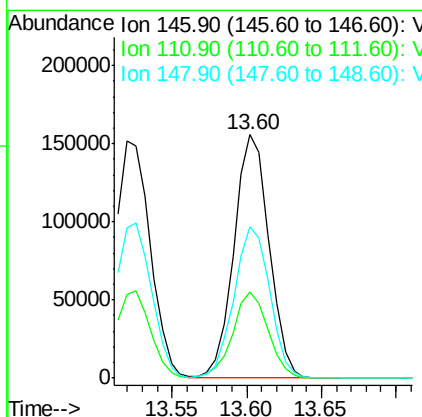
RT: 13.60 min Scan# 1986

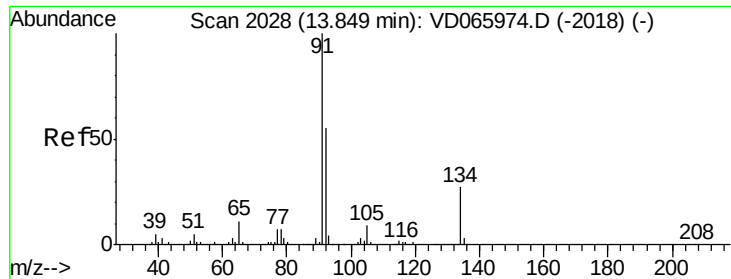
Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Tgt Ion:	146	Resp:	255063
Ion Ratio	Lower	Upper	
146	100		
111	35.9	18.8	56.4
148	63.4	32.2	96.6





#89

n-Butylbenzene

Concen: 54.941 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

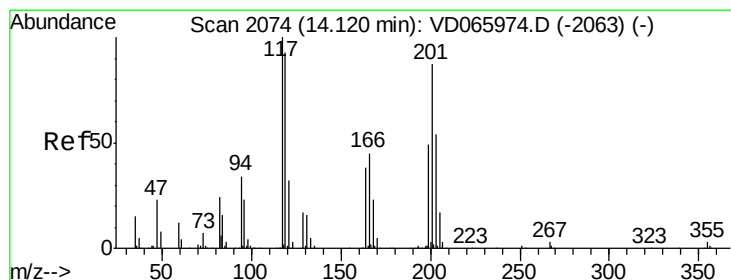
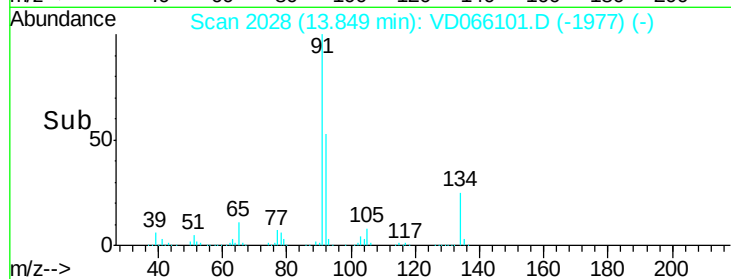
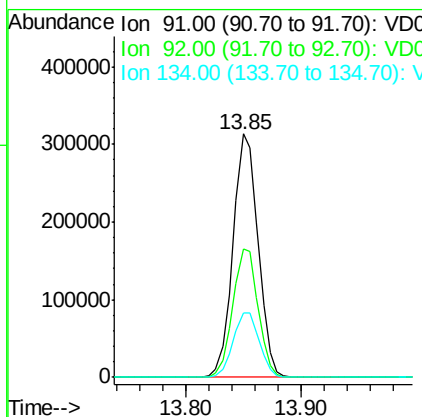
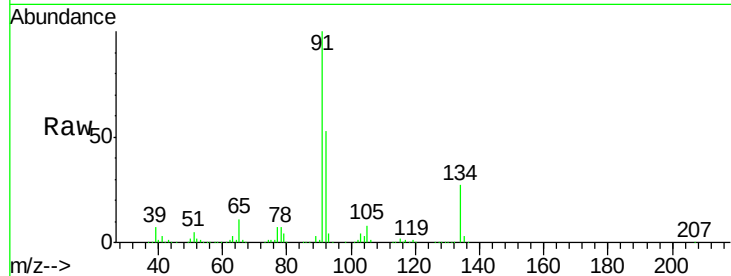
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	469550
Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.2	81.6
134	27.6	13.8	41.4

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#90

Hexachloroethane

Concen: 51.913 ug/l

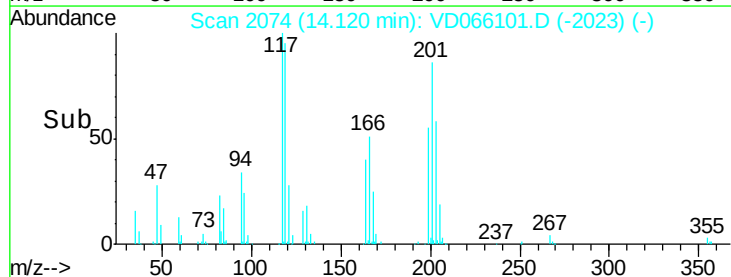
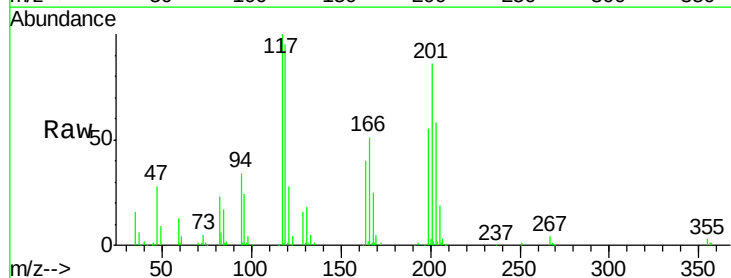
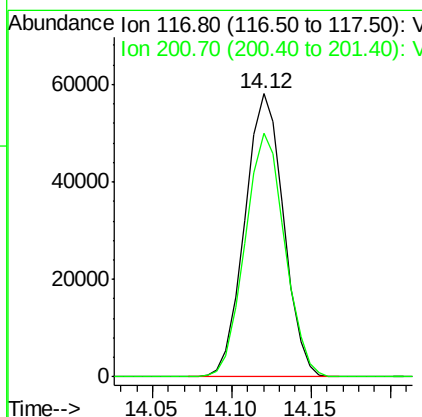
RT: 14.12 min Scan# 2074

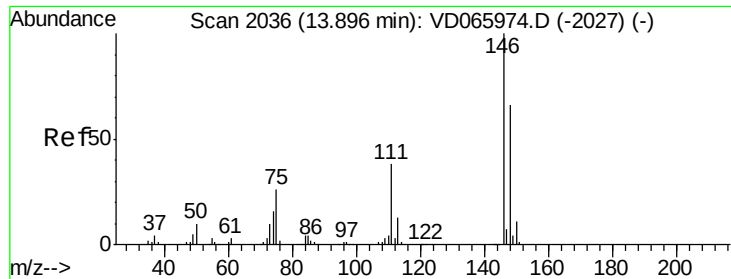
Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Tgt Ion:	117	Resp:	98777
Ion	Ratio	Lower	Upper
117	100		
201	88.2	42.0	126.1





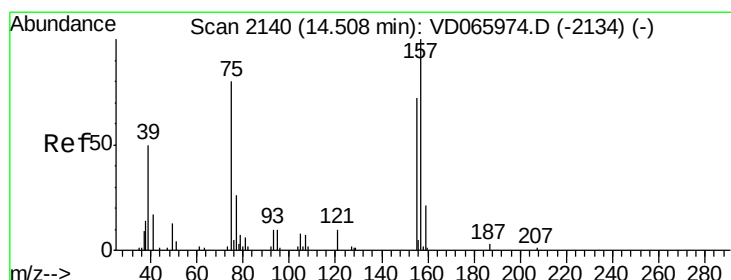
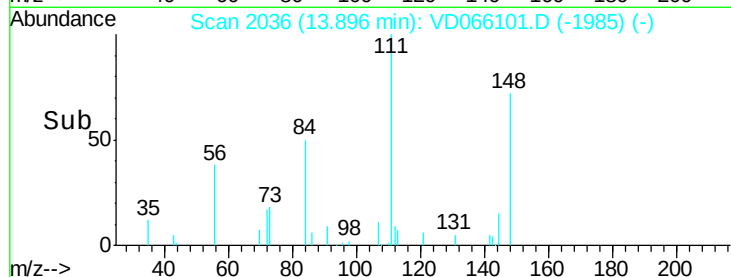
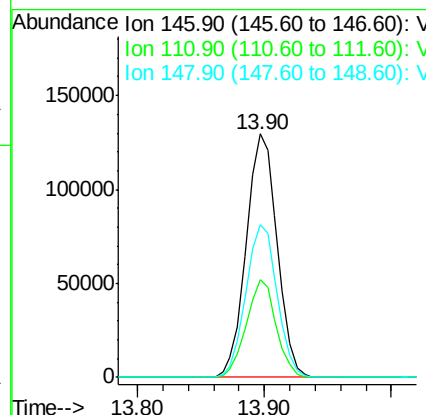
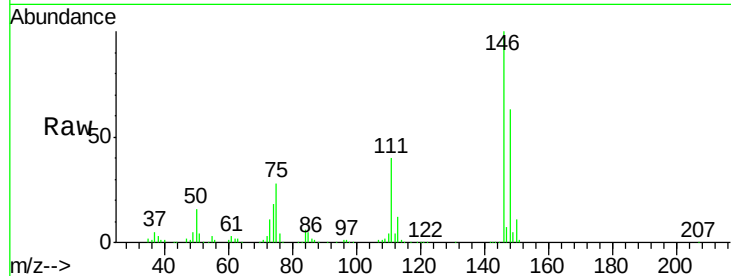
#91
 1,2-Dichlorobenzene
 Concen: 51.970 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	63.6	32.7	98.1

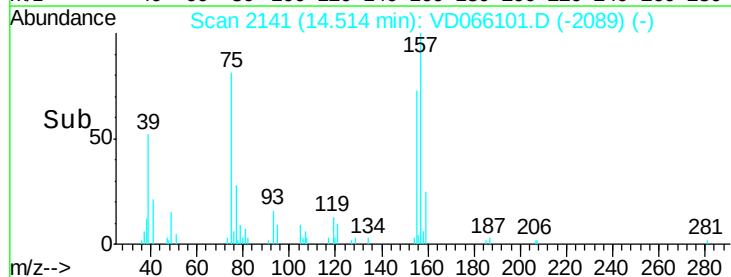
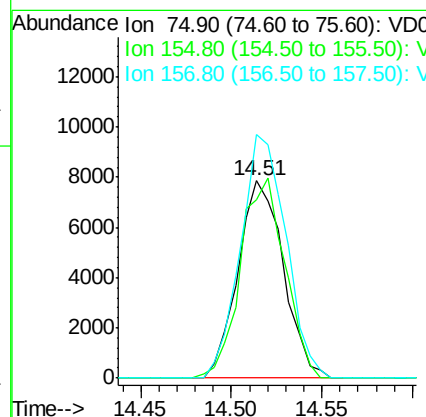
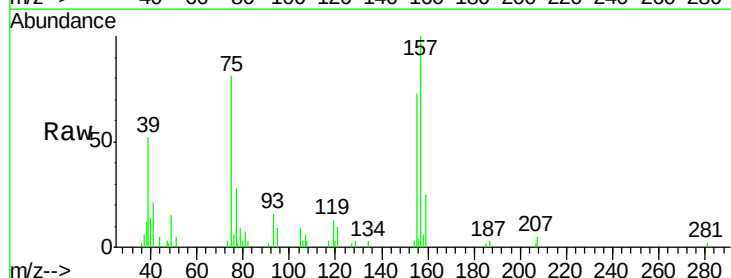
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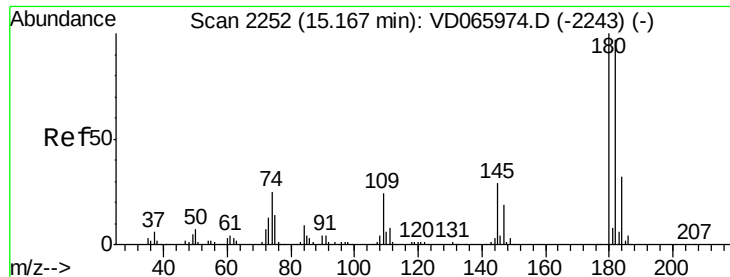
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.444 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066101.D
 Acq: 30 Jul 2020 10:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	48.5	145.5
157	123.5	64.7	194.1





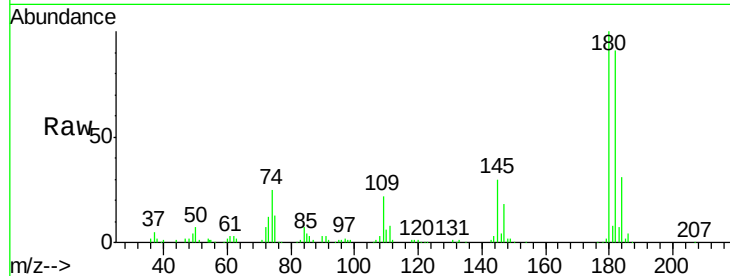
#93
1,2,4-Trichlorobenzene
Concen: 55.068 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

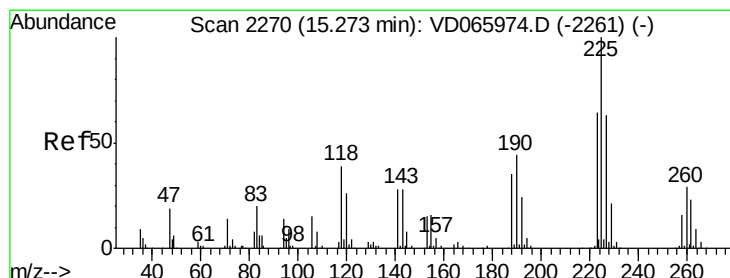
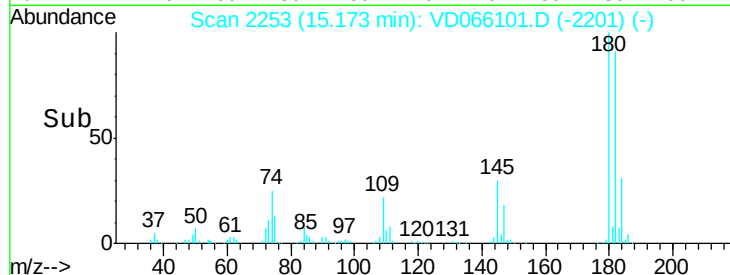
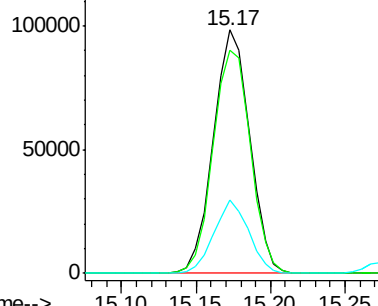
Tot Ion	Ratio	Resp	Lower	Upper
180	100	166043		
182	94.1	48.1	144.3	
145	28.7	14.7	44.1	

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MMDadoda
7/31/2020 11:56:10 AM

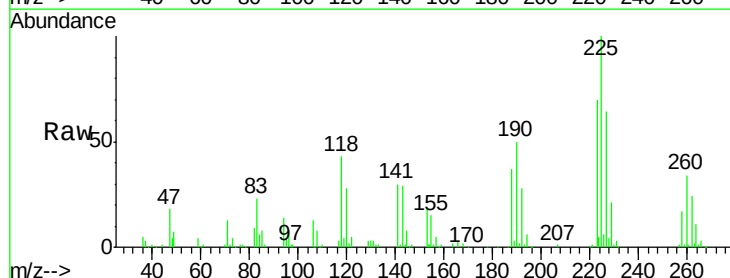


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

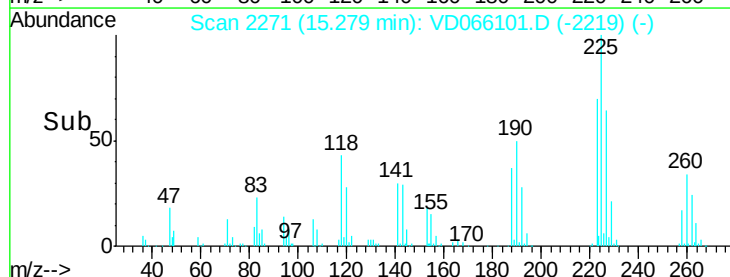
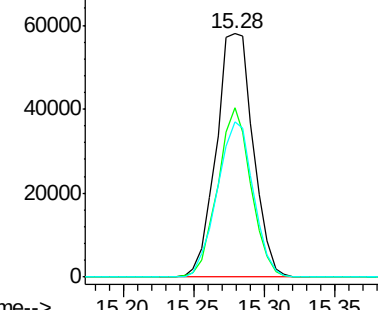


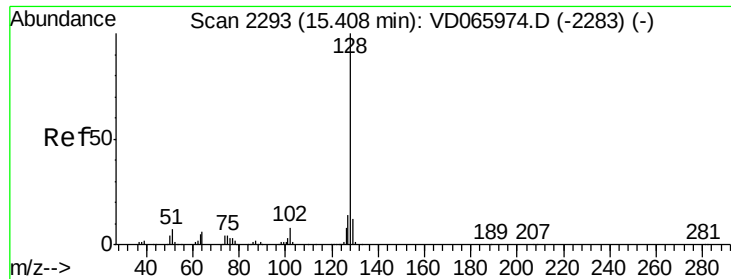
#94
Hexachlorobutadiene
Concen: 57.327 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.01 min
Lab File: VD066101.D
Acq: 30 Jul 2020 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	106863		
223	62.8	31.2	93.6	
227	62.1	31.6	94.8	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 48.227 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Instrument :

MSVOA_D

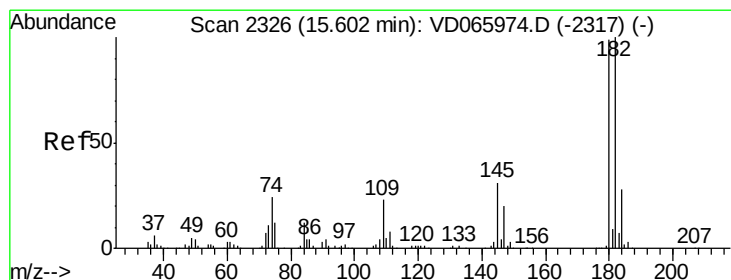
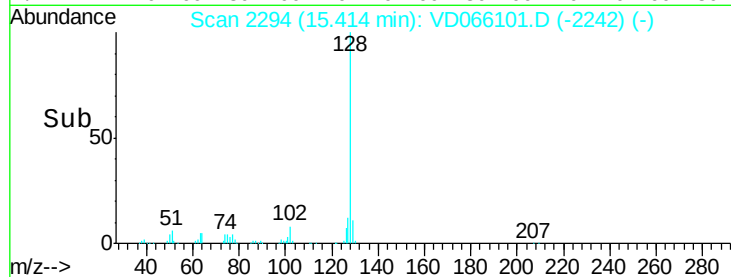
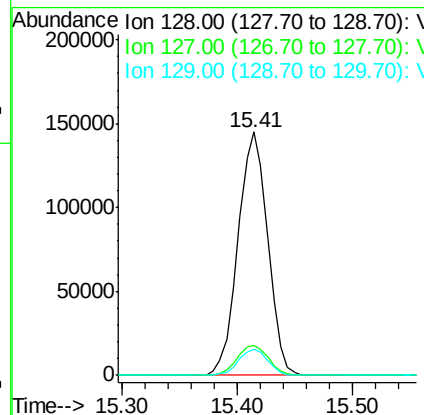
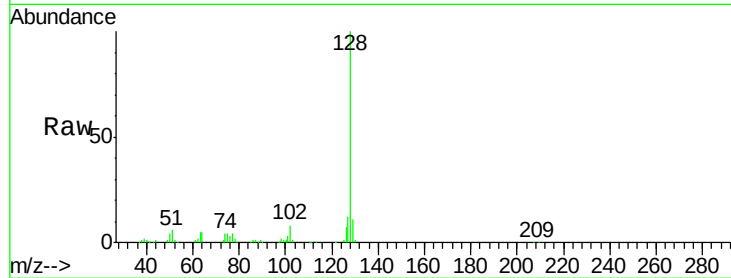
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	257866
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.8	16.2
129	10.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/31/2020 11:56:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.448 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD066101.D

Acq: 30 Jul 2020 10:06

Tgt Ion:	180	Resp:	140100
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.9	143.6
145	29.9	15.4	46.2

