

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065302.D
 Acq On : 24 Feb 2020 18:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 2/25/2020 5:15:54 PM

Quant Time: Feb 25 02:57:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	470736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	716947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	655102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317344	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	215208	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
35) Dibromofluoromethane	7.92	113	224862	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
50) Toluene-d8	10.34	98	859064	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.64	95	281724	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	193523	49.015	ug/l	100
3) Chloromethane	2.21	50	236123	46.986	ug/l	98
4) Vinyl Chloride	2.35	62	233326	45.659	ug/l	99
5) Bromomethane	2.77	94	147937	47.880	ug/l	99
6) Chloroethane	2.92	64	147438	47.267	ug/l	96
7) Trichlorofluoromethane	3.27	101	338326	46.244	ug/l	100
8) Diethyl Ether	3.70	74	114090	51.662	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	220951	47.823	ug/l	99
10) Methyl Iodide	4.30	142	262602	54.742	ug/l	99
11) Tert butyl alcohol	5.24	59	67416	266.409	ug/l	96
12) 1,1-Dichloroethene	4.06	96	213996	49.032	ug/l	98
13) Acrolein	3.92	56	92529	304.935	ug/l	100
14) Allyl chloride	4.71	41	359584	50.736	ug/l	97
15) Acrylonitrile	5.43	53	257116	262.971	ug/l	98
16) Acetone	4.16	43	235941	227.921	ug/l	97
17) Carbon Disulfide	4.40	76	692605	47.334	ug/l	99
18) Methyl Acetate	4.72	43	119282	51.233	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	492911	54.158	ug/l	100
20) Methylene Chloride	4.97	84	255855	56.079	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	249493	50.285	ug/l	97
22) Diisopropyl ether	6.37	45	729901	53.422	ug/l	100
23) Vinyl Acetate	6.31	43	2084878	276.790	ug/l	100
24) 1,1-Dichloroethane	6.27	63	426149	50.285	ug/l	97
25) 2-Butanone	7.22	43	324484	247.747	ug/l	100
26) 2,2-Dichloropropane	7.21	77	348427	47.386	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	265809	50.577	ug/l	99
28) Bromochloromethane	7.55	49	167753	53.356	ug/l	98
29) Tetrahydrofuran	7.57	42	212308	276.657	ug/l	99
30) Chloroform	7.71	83	427098	50.023	ug/l	99
31) Cyclohexane	7.98	56	385238	46.266	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	373384	48.878	ug/l	99
36) 1,1-Dichloropropene	8.11	75	329525	47.237	ug/l	99
37) Ethyl Acetate	7.30	43	146171	50.123	ug/l	98
38) Carbon Tetrachloride	8.10	117	335492	47.243	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	401415	48.946	ug/l	98
40) Benzene	8.36	78	982376	49.891	ug/l	99
41) Methacrylonitrile	7.53	41	96478	57.297	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	264657	48.892	ug/l	100
43) Isopropyl Acetate	8.46	43	271882	51.268	ug/l	99
44) Trichloroethene	9.11	130	265578	48.658	ug/l	100
45) 1,2-Dichloropropane	9.39	63	246280	50.301	ug/l	100
46) Dibromomethane	9.48	93	125935	49.991	ug/l	99
47) Bromodichloromethane	9.67	83	331994	50.008	ug/l	97
48) Methyl methacrylate	9.46	41	130494	53.235	ug/l	97
49) 1,4-Dioxane	9.47	88	31864	1078.455	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	717821	266.499	ug/l	100
52) Toluene	10.41	92	623597	51.165	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	319262	51.882	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	386841	52.059	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	179705	50.682	ug/l	99
56) Ethyl methacrylate	10.67	69	228796	55.906	ug/l	99
57) 1,3-Dichloropropane	10.95	76	313414	51.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	310445	240.605	ug/l	99
59) 2-Hexanone	10.99	43	496717	257.615	ug/l	97
60) Dibromochloromethane	11.14	129	230834	50.864	ug/l	99
61) 1,2-Dibromoethane	11.26	107	173799	51.770	ug/l	98
64) Tetrachloroethene	10.88	164	225109	48.450	ug/l	98
65) Chlorobenzene	11.68	112	651658	49.570	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	243072	49.548	ug/l	99
67) Ethyl Benzene	11.75	91	1170328	50.830	ug/l	100
68) m/p-Xylenes	11.86	106	891494	101.204	ug/l	99
69) o-Xylene	12.18	106	409188	52.432	ug/l	98
70) Styrene	12.20	104	718073	51.824	ug/l	99
71) Bromoform	12.37	173	135746	49.865	ug/l #	99
73) Isopropylbenzene	12.48	105	1087628	51.768	ug/l	99
74) N-amyl acetate	12.30	43	247294	52.971	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	193070	50.918	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	130455m	48.316	ug/l	
77) Bromobenzene	12.77	156	267956	51.361	ug/l	100
78) n-propylbenzene	12.83	91	1287049	50.977	ug/l	99
79) 2-Chlorotoluene	12.91	91	720937	50.971	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	906061	52.361	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	63201	50.540	ug/l	96
82) 4-Chlorotoluene	13.01	91	756247	50.363	ug/l	99
83) tert-Butylbenzene	13.23	119	749416	51.673	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	893356	51.579	ug/l	99
85) sec-Butylbenzene	13.41	105	1053376	50.405	ug/l	100
86) p-Isopropyltoluene	13.53	119	974571	50.995	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	507502	50.319	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	492967	49.524	ug/l	100
89) n-Butylbenzene	13.85	91	899693	51.088	ug/l	100
90) Hexachloroethane	14.12	117	190109	48.991	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	431632	49.842	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27958	47.846	ug/l	91

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	293782	51.863	ug/l	98
94) Hexachlorobutadiene	15.28	225	173825	47.836	ug/l	98
95) Naphthalene	15.41	128	516836	56.124	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	262694	53.099	ug/l	99

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

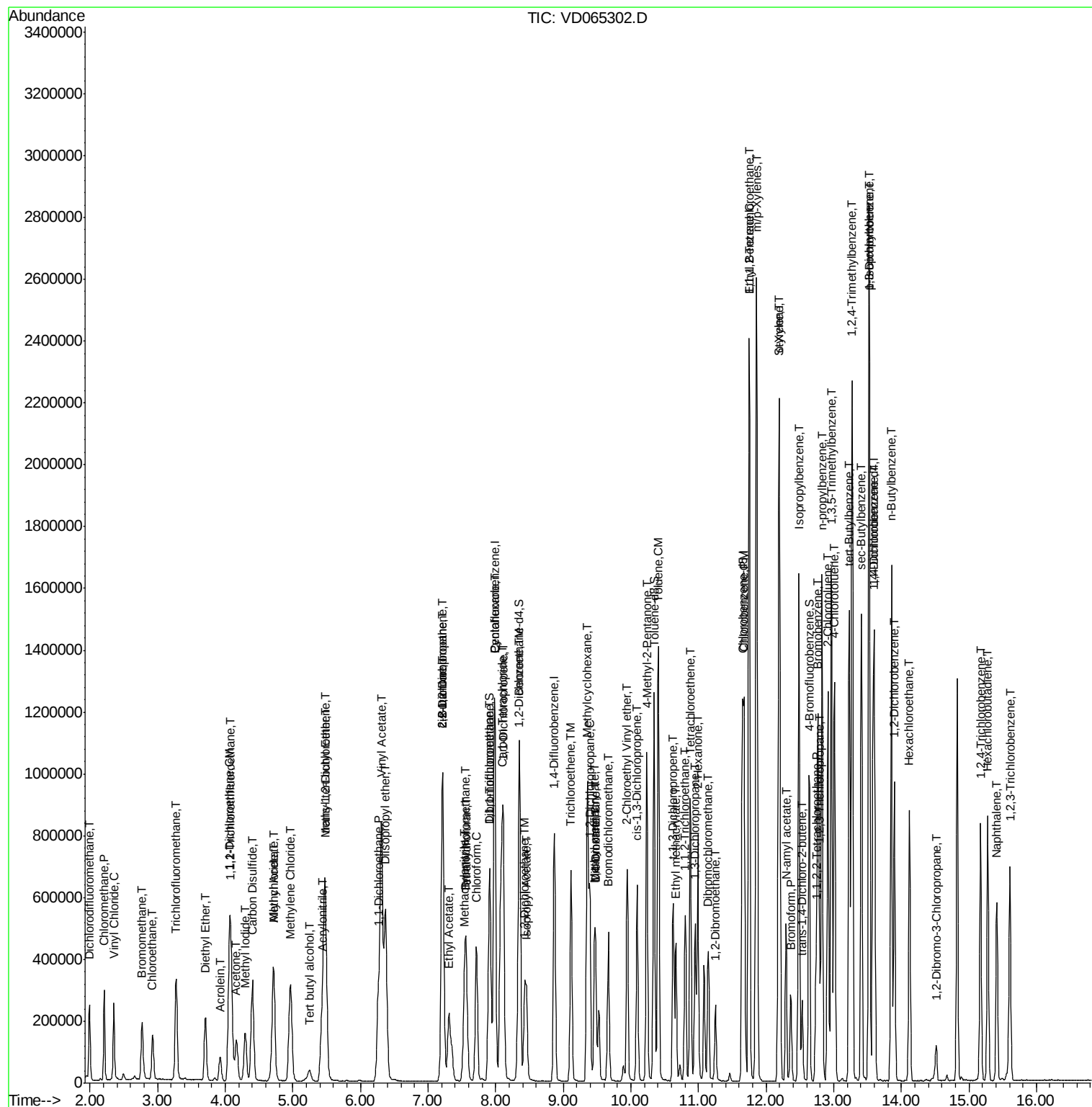
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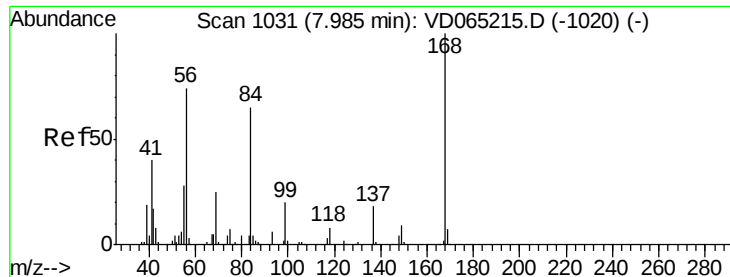
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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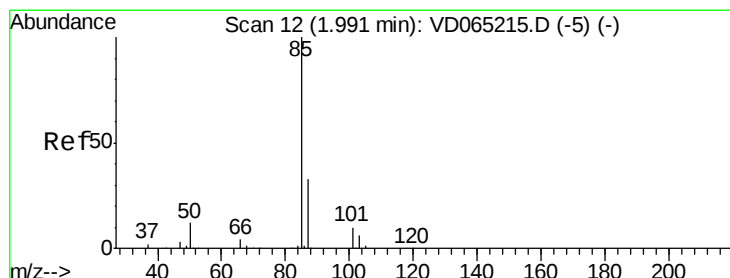
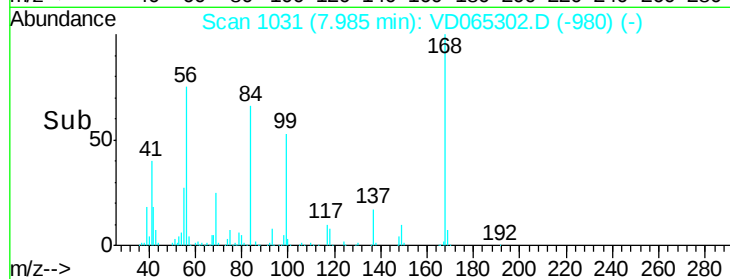
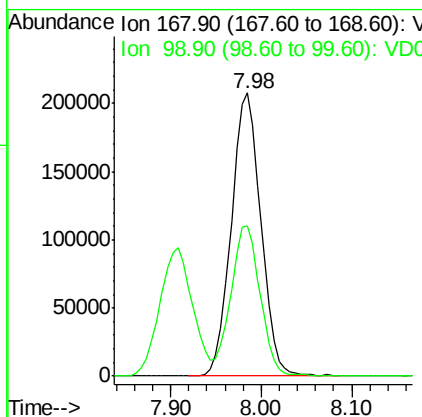
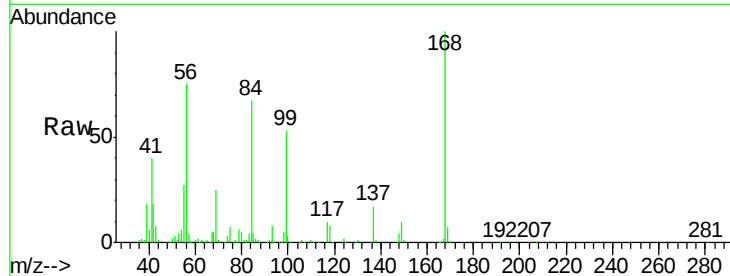
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 470736
Ion Ratio Lower Upper
168 100
99 53.0 41.4 62.2

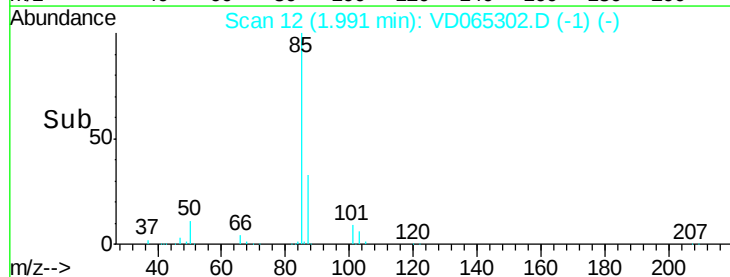
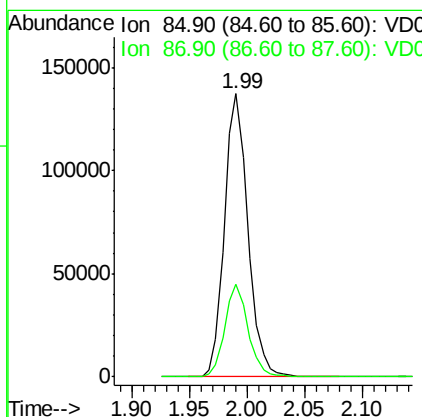
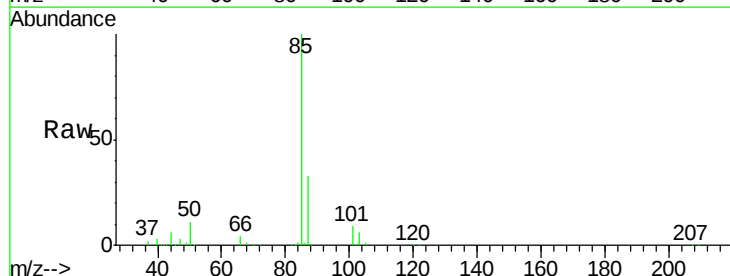
Manual Integrations
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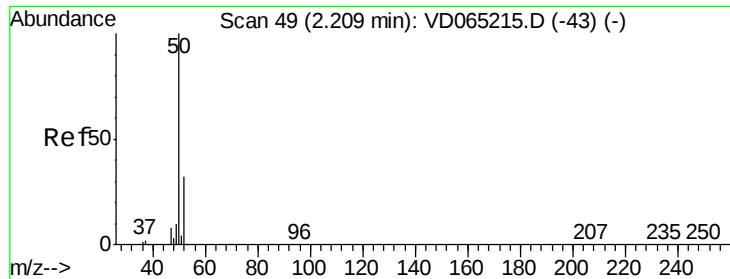
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#2
Dichlorodifluoromethane
Concen: 49.015 ug/l
RT: 1.99 min Scan# 12
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion: 85 Resp: 193523
Ion Ratio Lower Upper
85 100
87 32.7 16.4 49.1





#3

Chloromethane

Concen: 46.986 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 236123

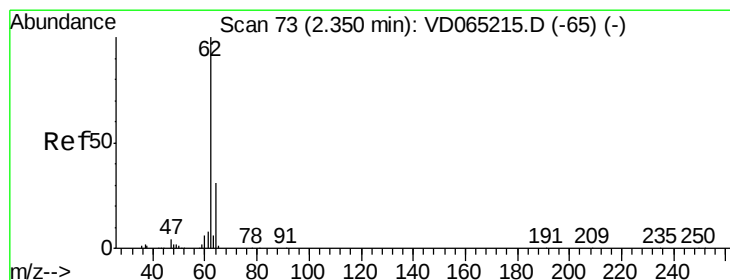
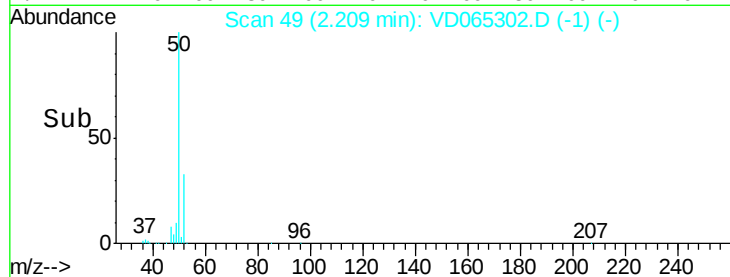
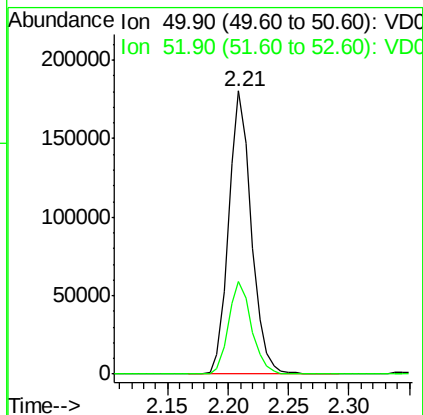
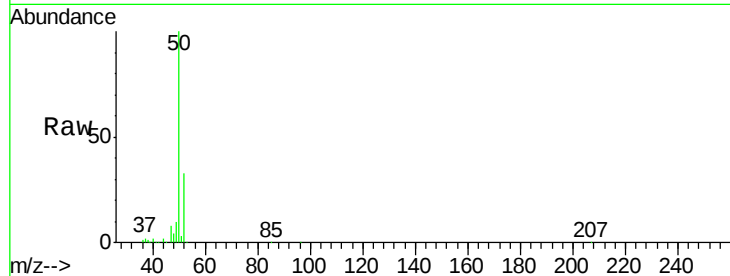
Ion Ratio Lower Upper

50 100

52 32.8 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 45.659 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065302.D

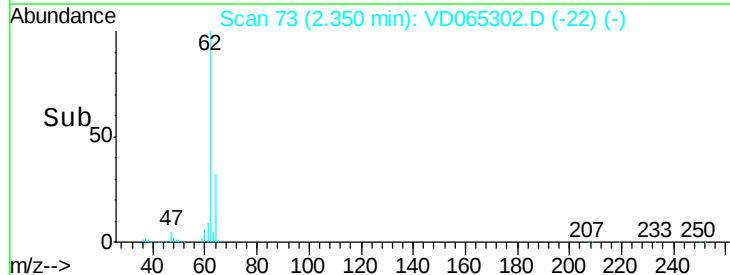
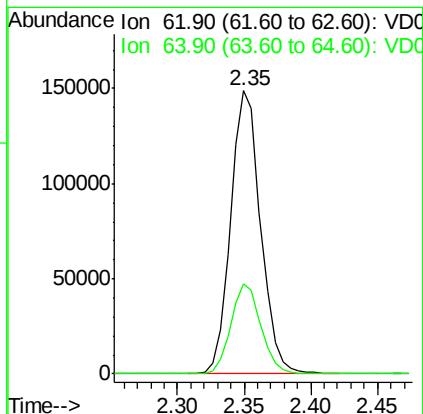
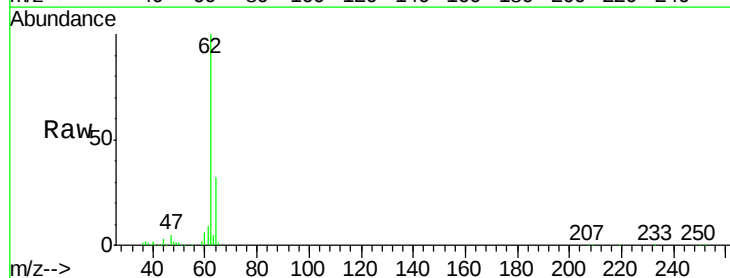
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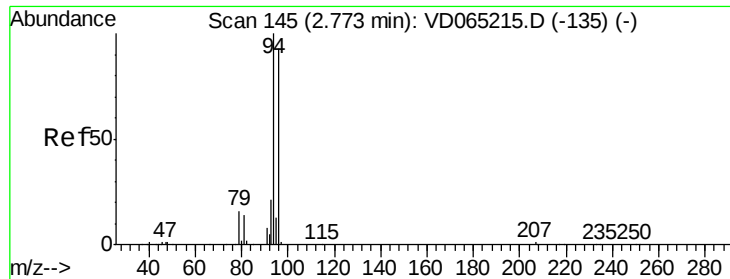
Tgt Ion: 62 Resp: 233326

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.6





#5

Bromomethane

Concen: 47.880 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

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Tot Ion: 94 Resp: 147937

Ion Ratio Lower Upper

94 100

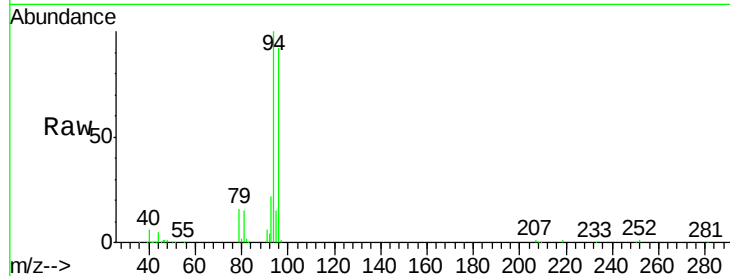
96 91.8 74.2 111.4

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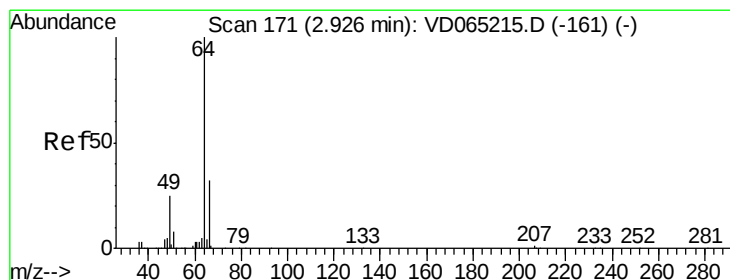
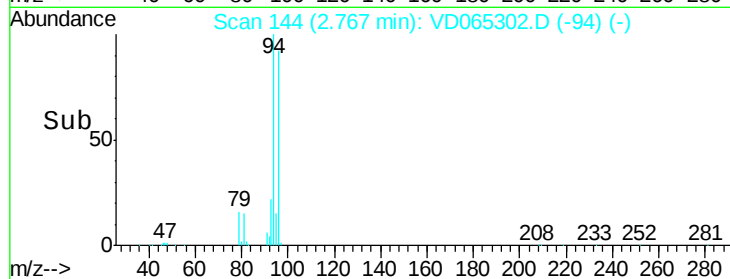
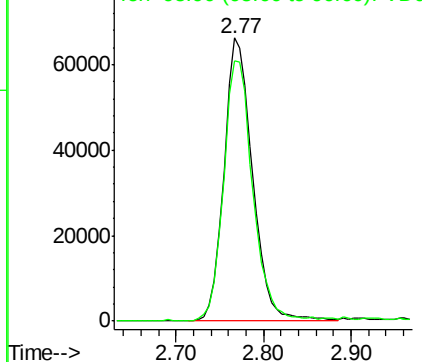
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.267 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065302.D

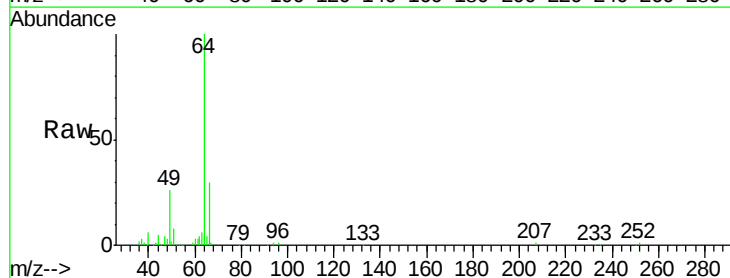
Acq: 24 Feb 2020 18:46

Tgt Ion: 64 Resp: 147438

Ion Ratio Lower Upper

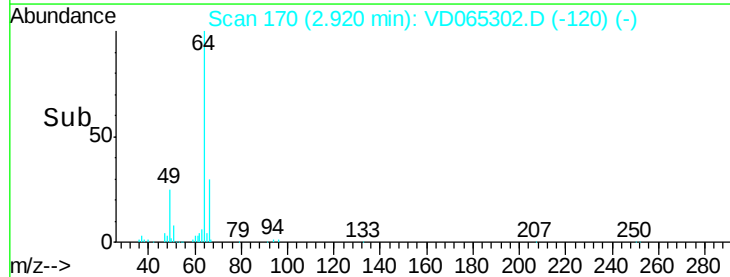
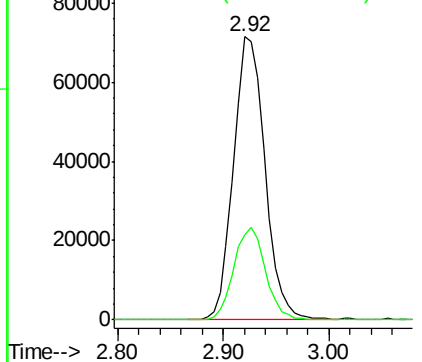
64 100

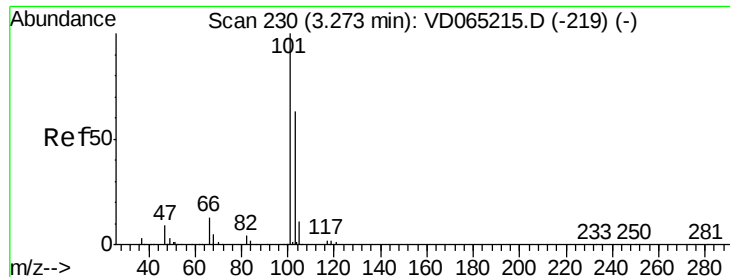
66 29.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 46.244 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 338326

Ion Ratio Lower Upper

101 100

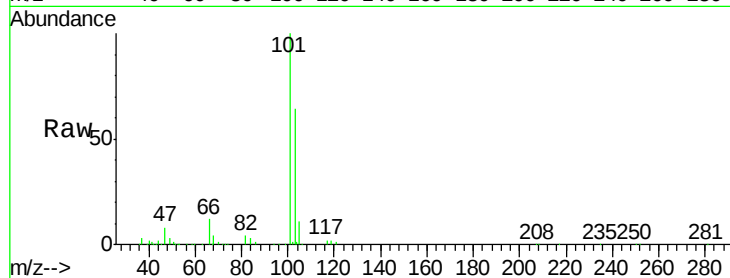
103 63.5 50.7 76.1

Manual Integrations

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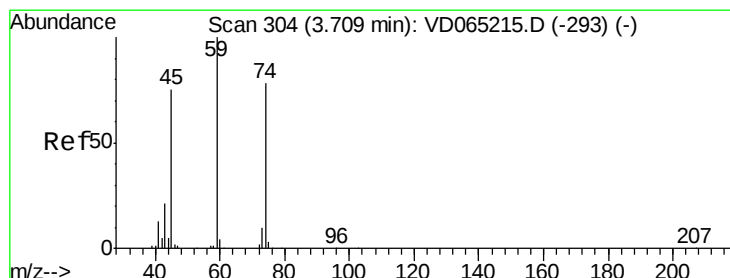
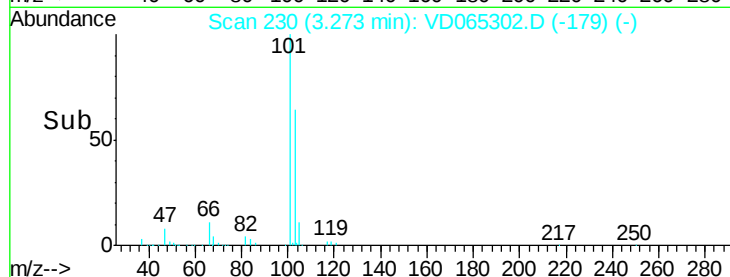
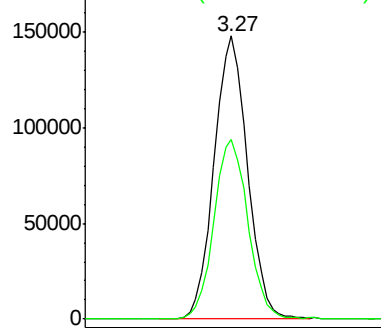
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 51.662 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD065302.D

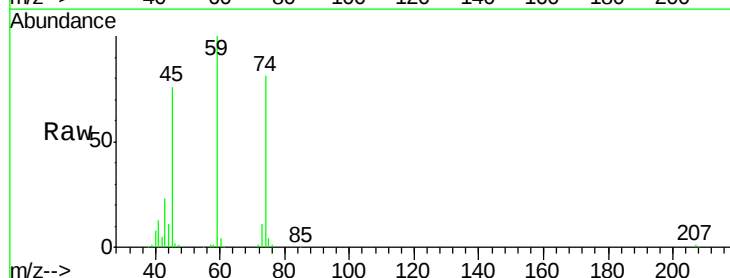
Acq: 24 Feb 2020 18:46

Tgt Ion: 74 Resp: 114090

Ion Ratio Lower Upper

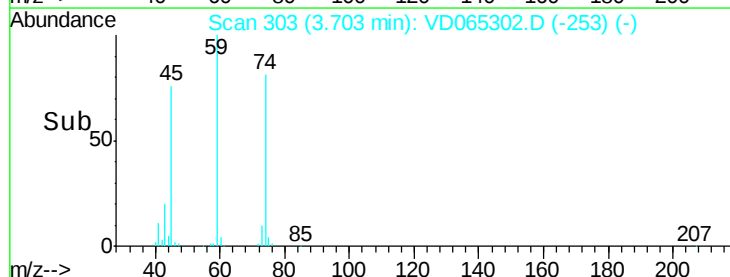
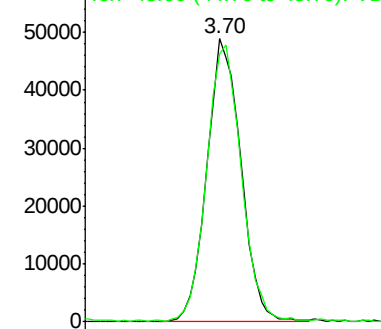
74 100

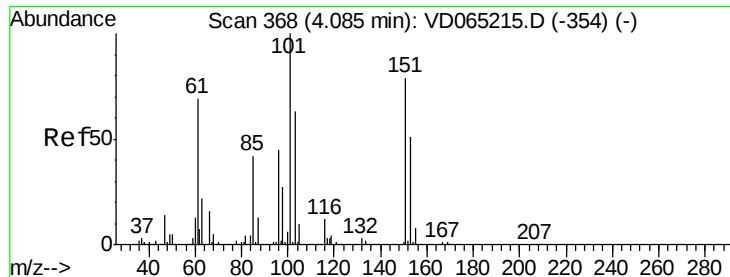
45 100.0 50.0 149.8



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.823 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

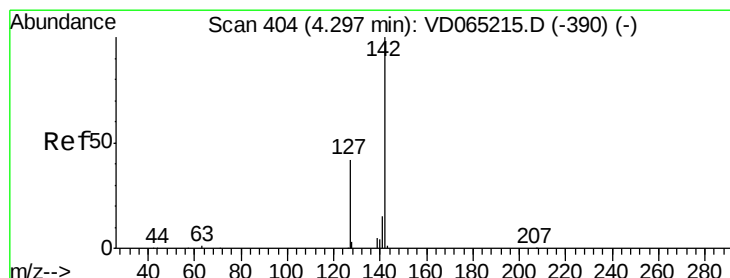
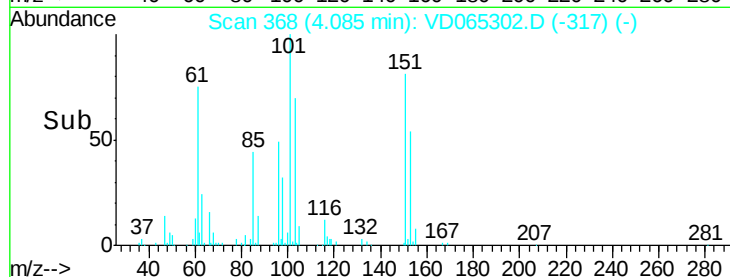
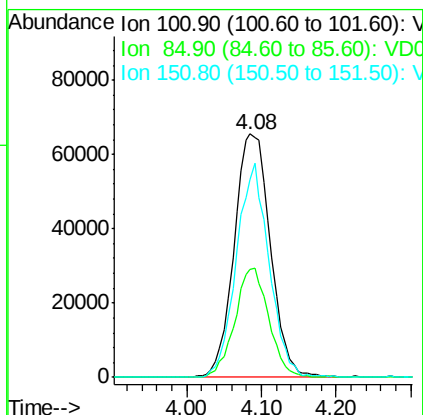
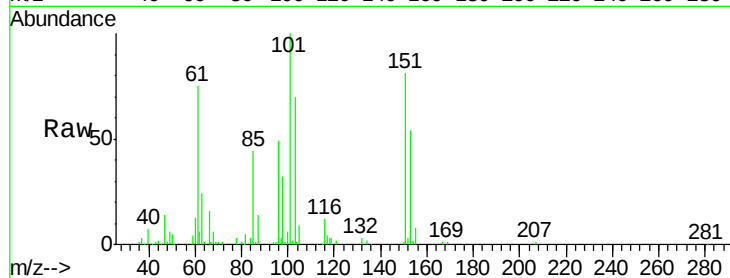
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	220951
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.2
151	79.3	63.5	95.3

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#10

Methyl Iodide

Concen: 54.742 ug/l

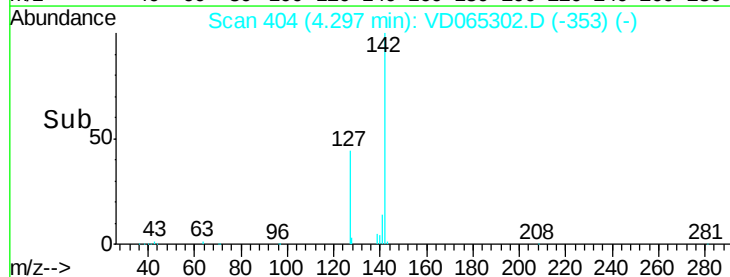
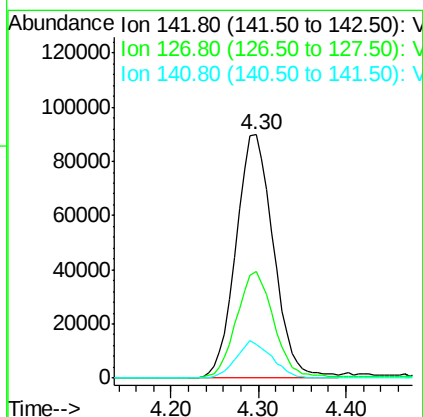
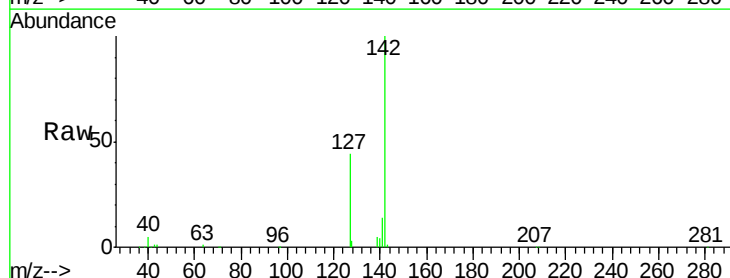
RT: 4.30 min Scan# 404

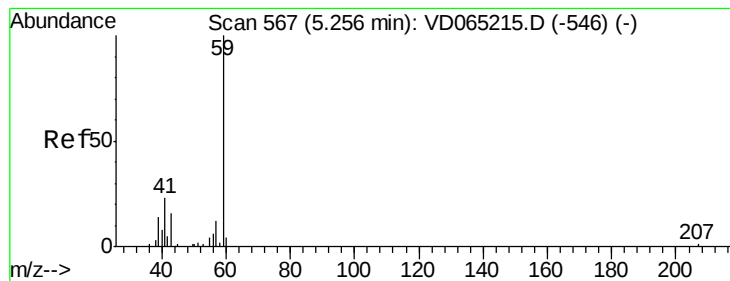
Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Tgt Ion:	142	Resp:	262602
Ion Ratio	Lower	Upper	
142	100		
127	43.4	33.8	50.8
141	14.6	11.7	17.5





#11

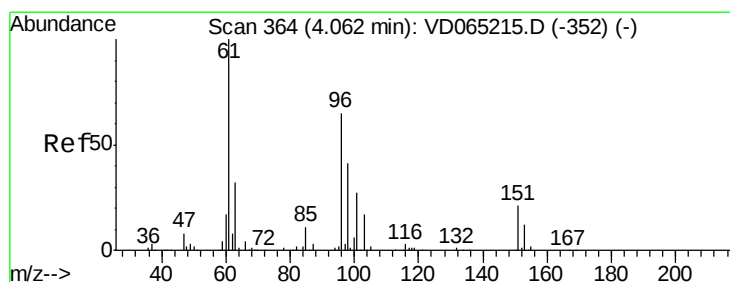
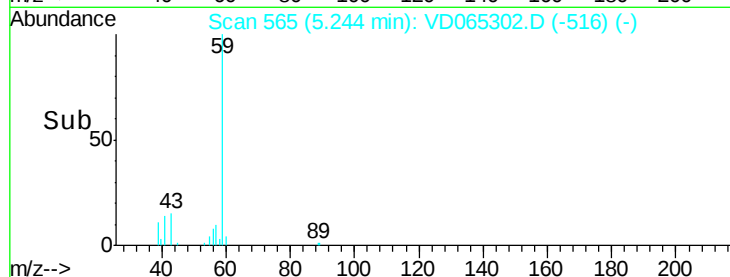
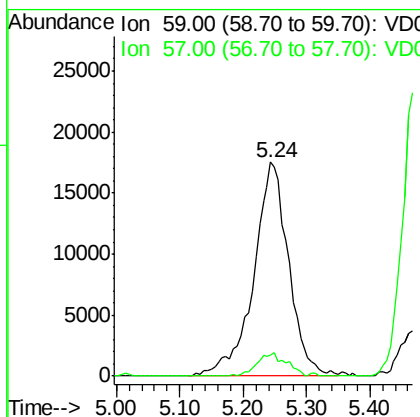
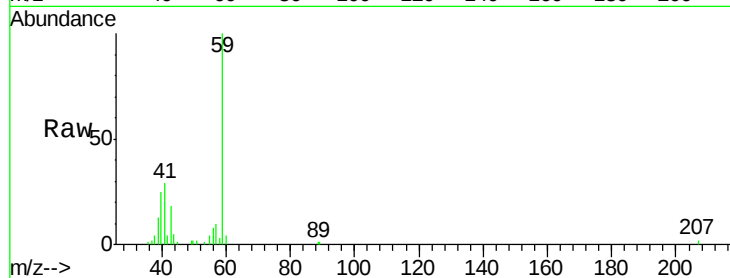
Tert butyl alcohol
Concen: 266.409 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	67416
Ion Ratio	100	Lower	Upper
57	9.0	8.4	12.6

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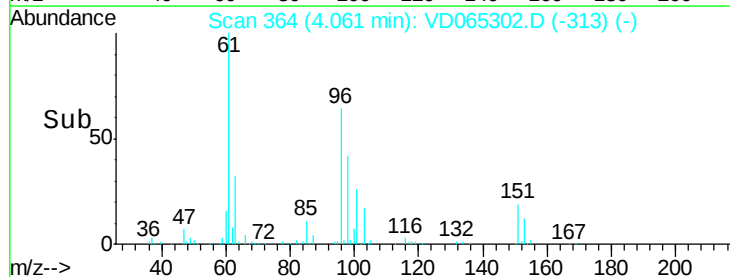
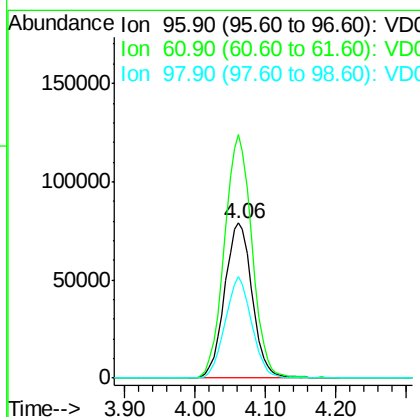
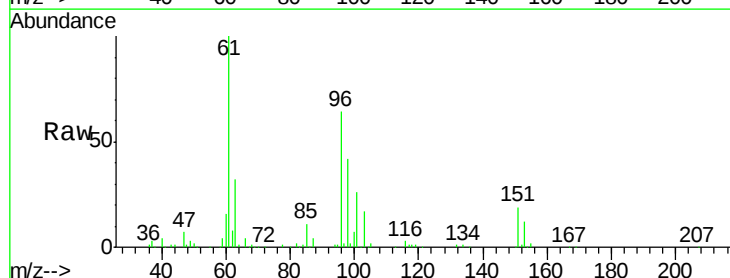
MMDadoda
2/25/2020 5:15:54 PM



#12

1,1-Dichloroethene
Concen: 49.032 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion	96	Resp	213996
Ion Ratio	100	Lower	Upper
61	156.9	123.3	184.9
98	65.3	51.0	76.4





#13

Acrolein

Concen: 304.935 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 92529

Ion Ratio Lower Upper

56 100

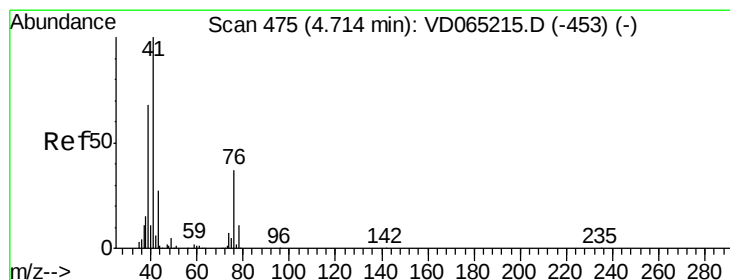
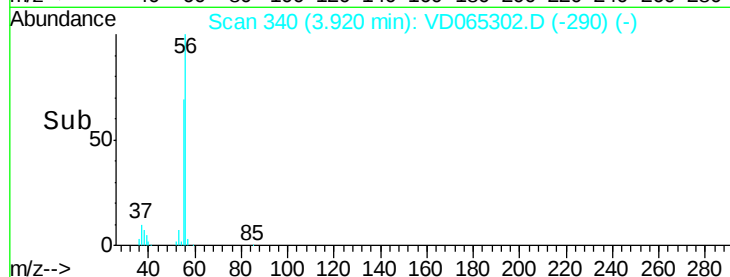
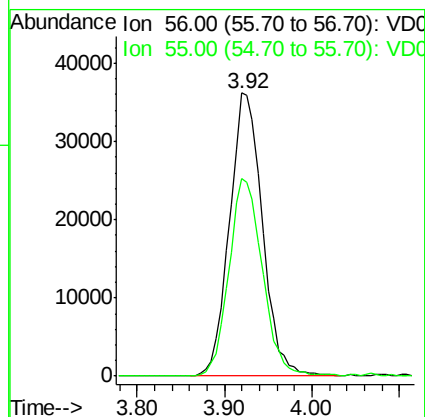
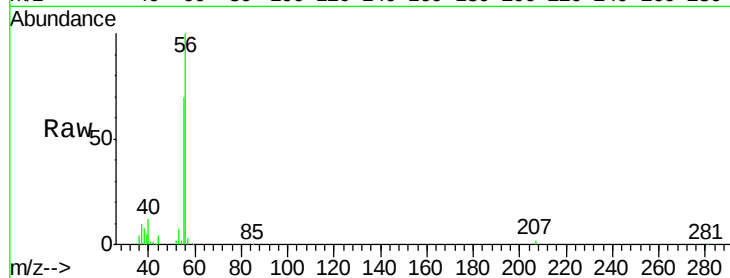
55 70.6 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.736 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

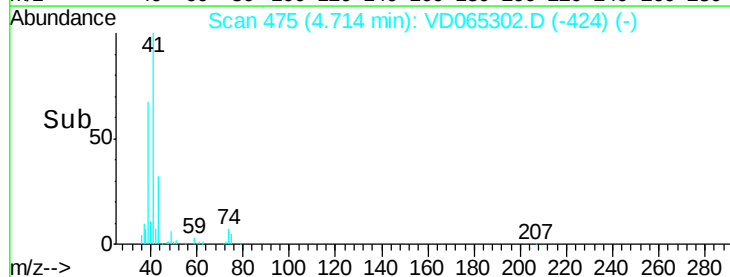
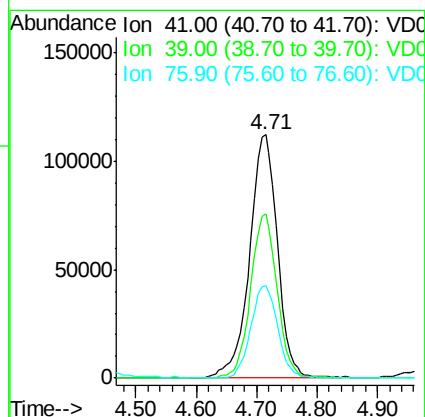
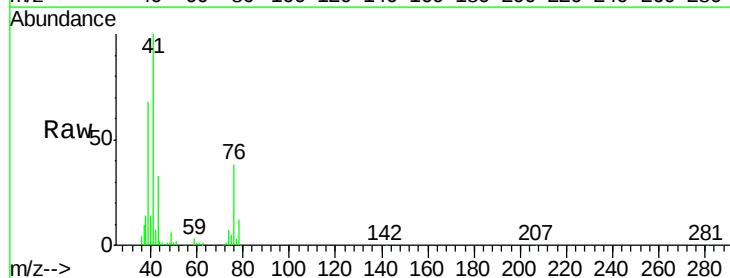
Tgt Ion: 41 Resp: 359584

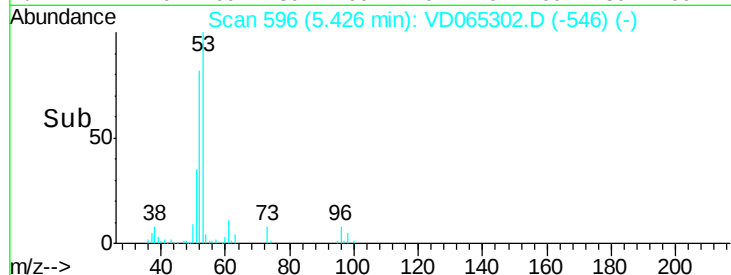
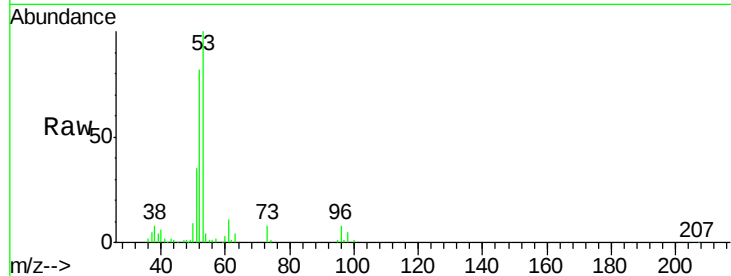
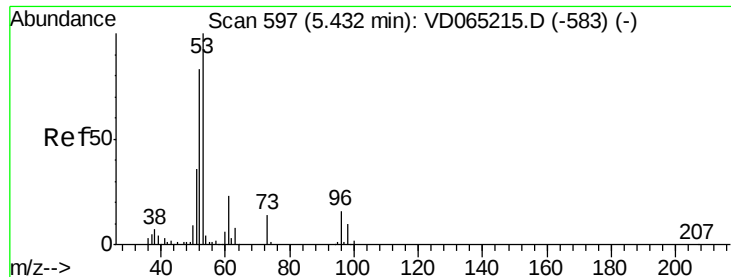
Ion Ratio Lower Upper

41 100

39 64.2 53.8 80.6

76 35.8 28.7 43.1





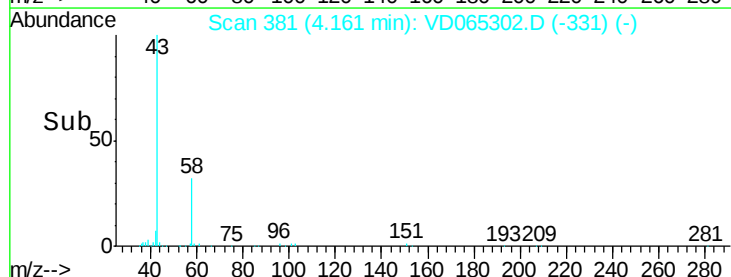
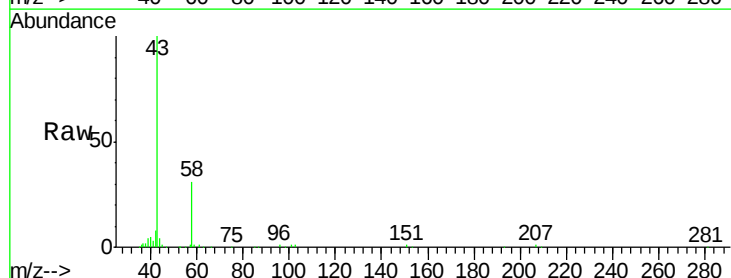
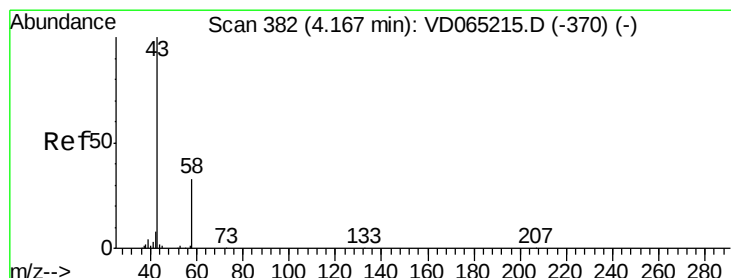
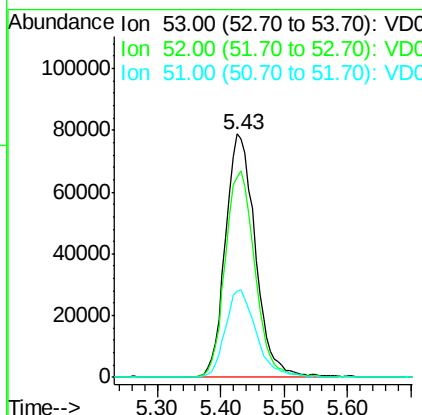
#15
 Acrylonitrile
 Concen: 262.971 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.4	98.2
51	37.1	29.5	44.3

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

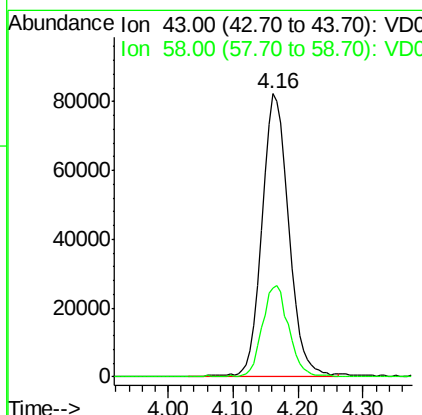
Manual Integrations
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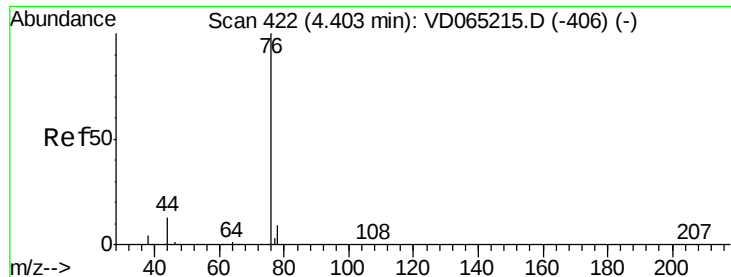
MMDadoda
 2/25/2020 5:15:54 PM



#16
 Acetone
 Concen: 227.921 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.1	26.2	39.2





#17

Carbon Disulfide

Concen: 47.334 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 692605

Ion Ratio Lower Upper

76 100

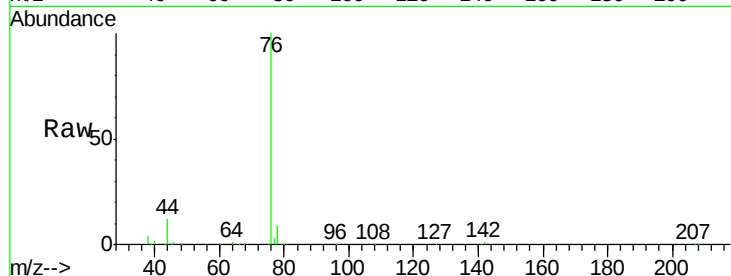
78 8.6 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

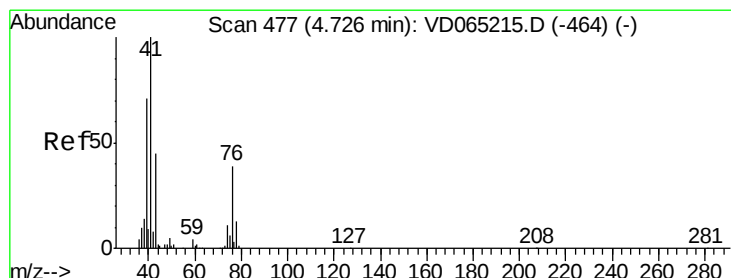
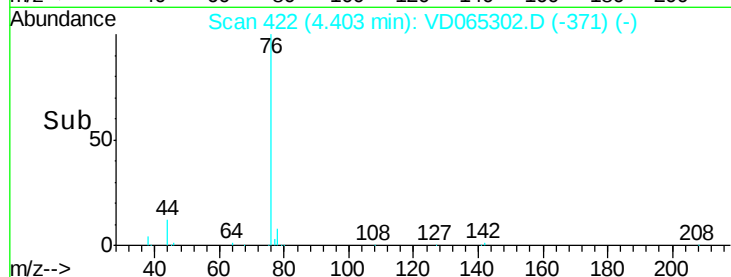
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 51.233 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065302.D

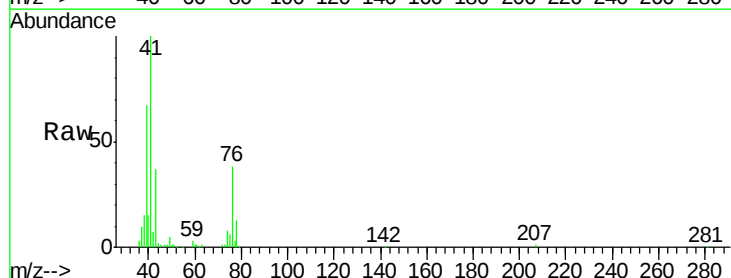
Acq: 24 Feb 2020 18:46

Tgt Ion: 43 Resp: 119282

Ion Ratio Lower Upper

43 100

74 24.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

40000

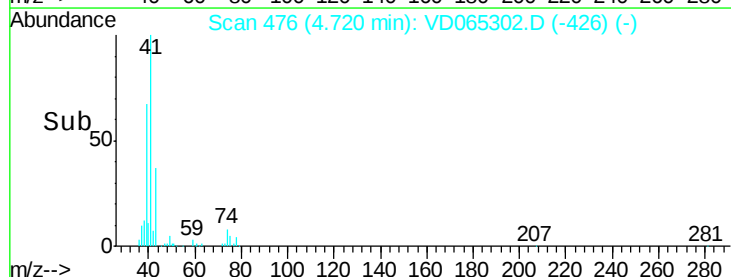
30000

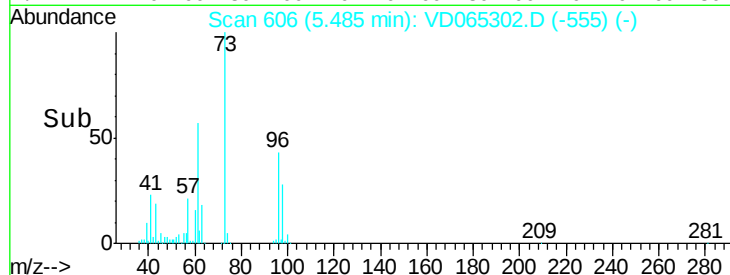
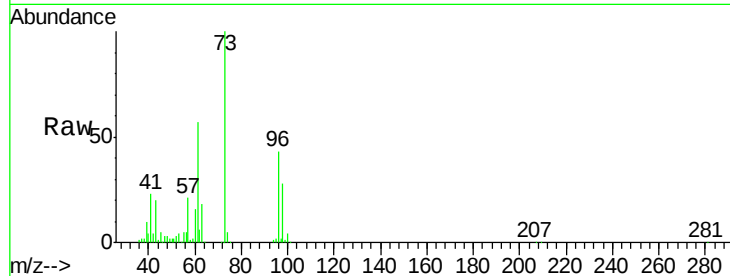
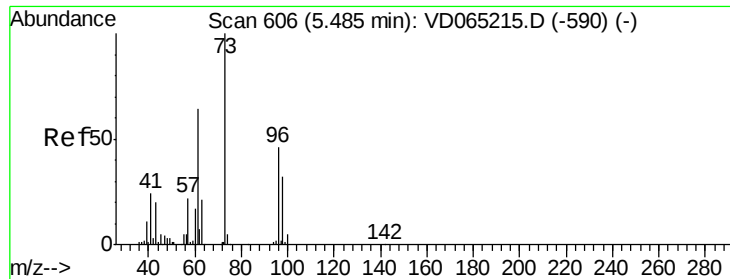
20000

10000

0

Time-->





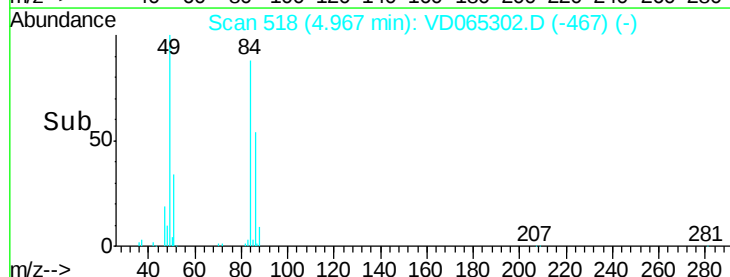
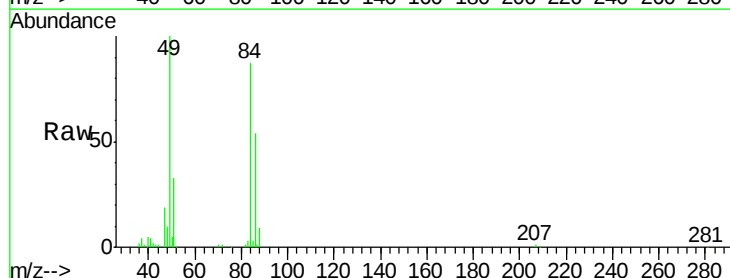
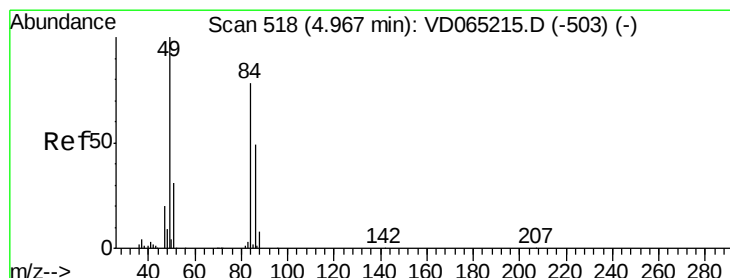
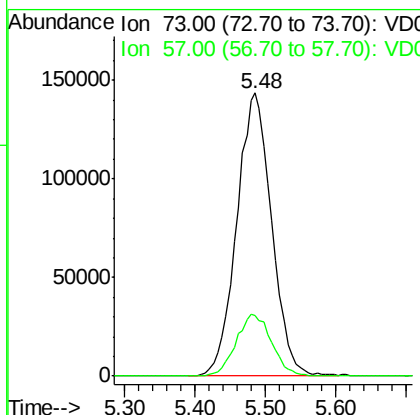
#19
Methvl tert-butvl Ether
Concen: 54.158 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tot Ion: 73 Resp: 492911
Ion Ratio Lower Upper
73 100
57 21.4 17.3 25.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

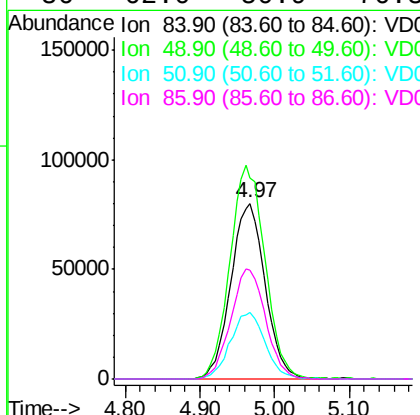
Manual Integrations
APPROVED

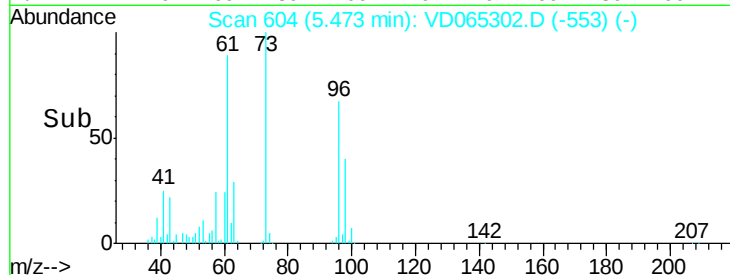
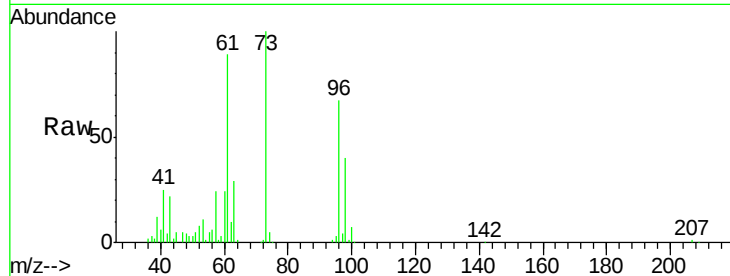
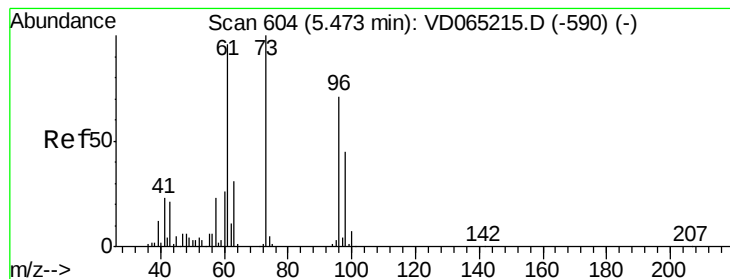
MMDadoda
2/25/2020 5:15:54 PM



#20
Methylene Chloride
Concen: 56.079 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion: 84 Resp: 255855
Ion Ratio Lower Upper
84 100
49 114.5 103.1 154.7
51 38.2 31.7 47.5
86 62.0 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 50.285 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Tot Ion:	96	Resp:	249493
Ion	Ratio	Lower	Upper
96	100		
61	132.2	108.3	162.5
98	59.6	50.7	76.1

Instrument :

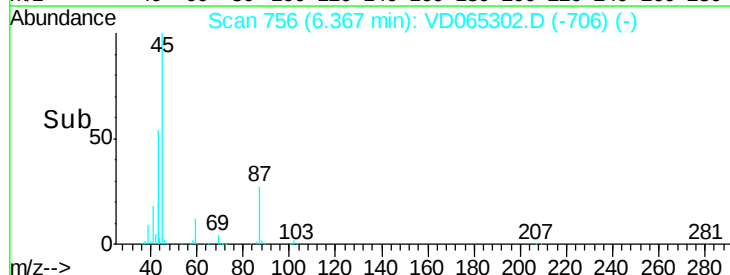
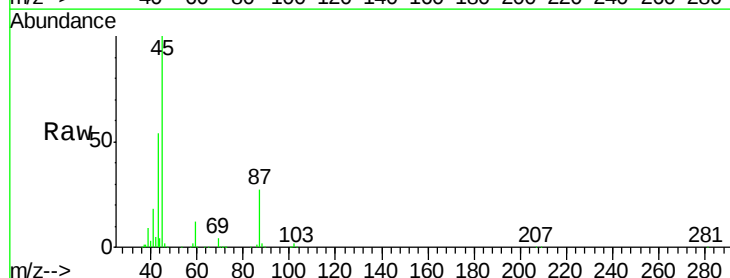
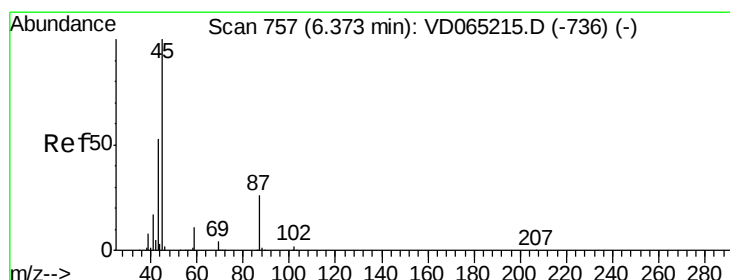
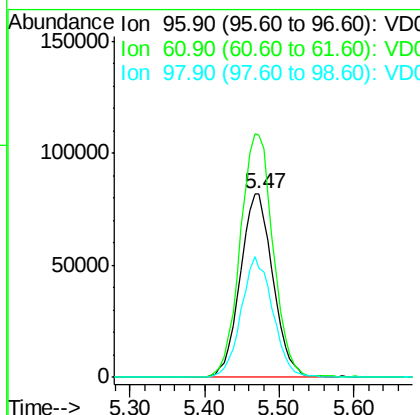
MSVOA_D

ClientSampleId :

VSTDCCC050EC

Manual Integrations
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MMDadoda
2/25/2020 5:15:54 PM



#22

Diisopropyl ether

Concen: 53.422 ug/l

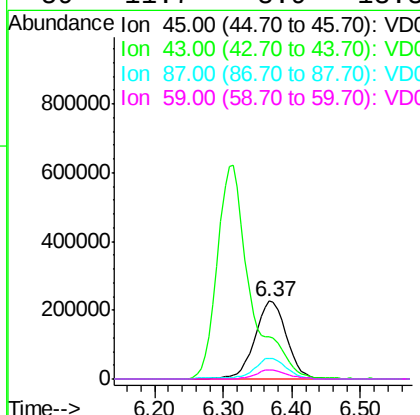
RT: 6.37 min Scan# 756

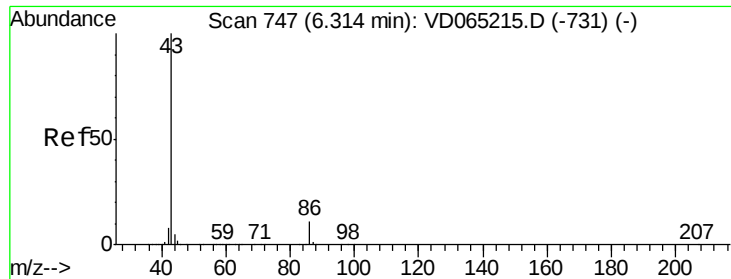
Delta R.T. -0.01 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Tgt Ion:	45	Resp:	729901
Ion	Ratio	Lower	Upper
45	100		
43	53.1	42.6	64.0
87	26.6	21.2	31.8
59	11.7	8.9	13.3





#23

Vinyl Acetate

Concen: 276.790 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2084878

Ion Ratio Lower Upper

43 100

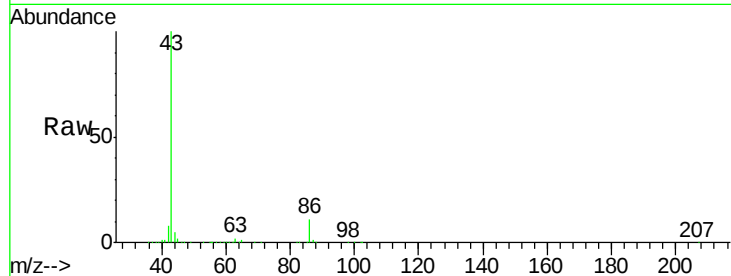
86 10.7 8.6 12.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

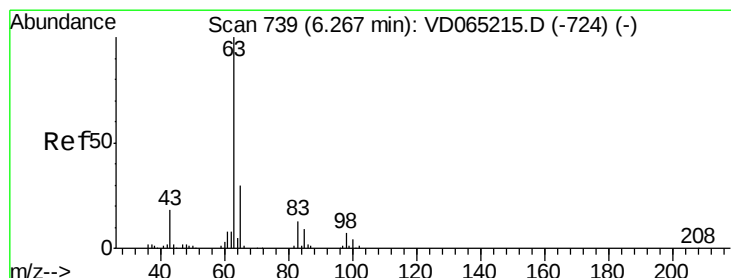
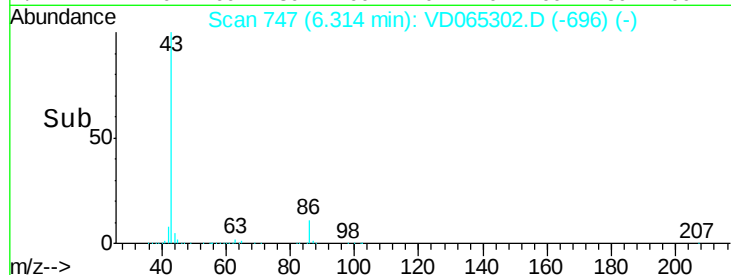
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.285 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

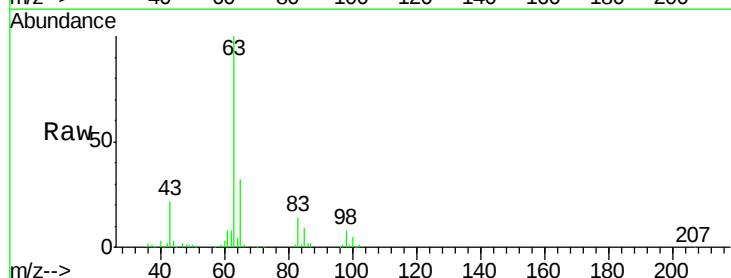
Tgt Ion: 63 Resp: 426149

Ion Ratio Lower Upper

63 100

98 8.0 3.4 10.1

100 5.0 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

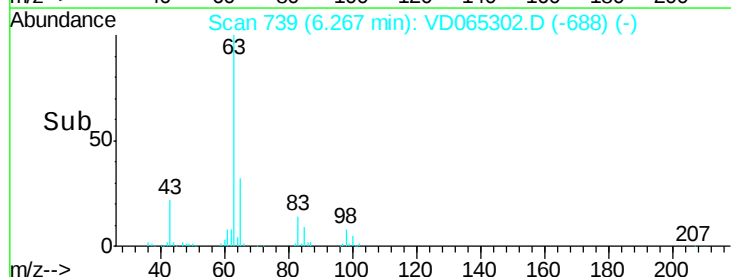
150000

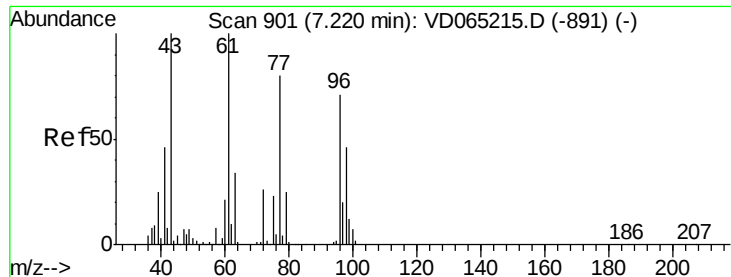
100000

50000

0

Time-->





#25

2-Butanone

Concen: 247.747 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 324484

Ion Ratio Lower Upper

43 100

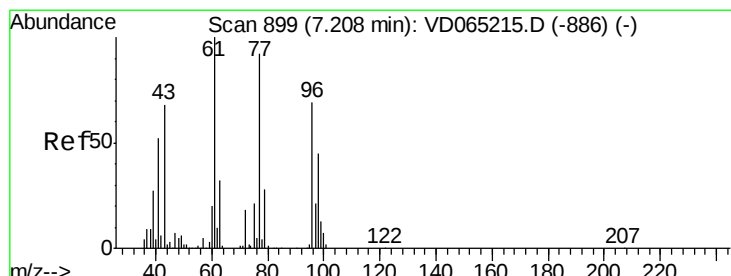
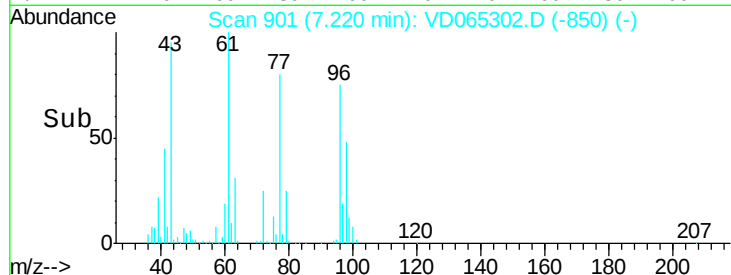
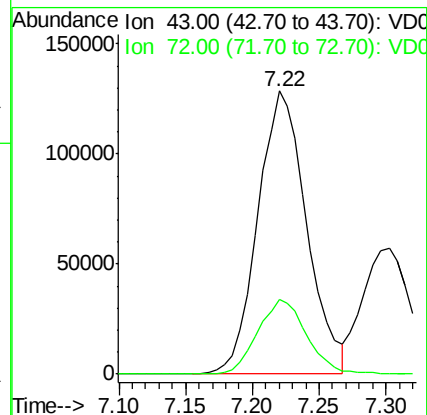
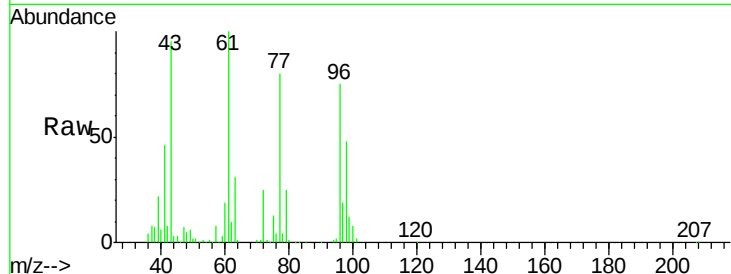
72 26.3 20.9 31.3

Manual Integrations

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MMDadoda

2/25/2020 5:15:54 PM



#26

2,2-Dichloropropane

Concen: 47.386 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065302.D

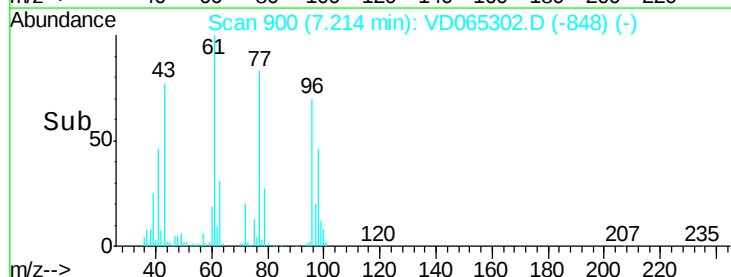
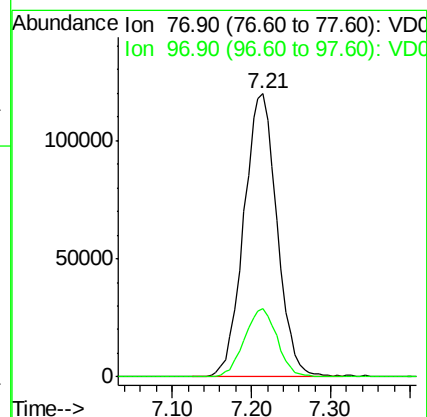
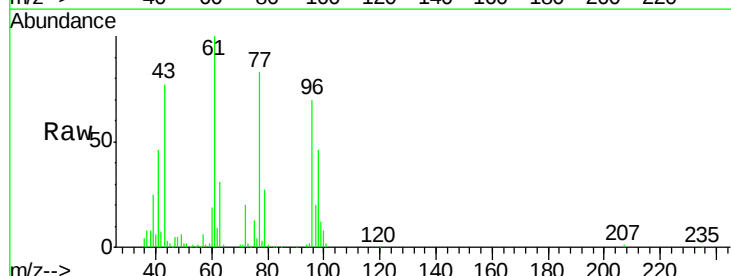
Acq: 24 Feb 2020 18:46

Tgt Ion: 77 Resp: 348427

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.1





#27

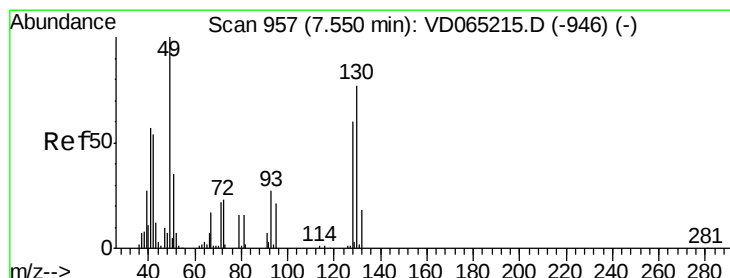
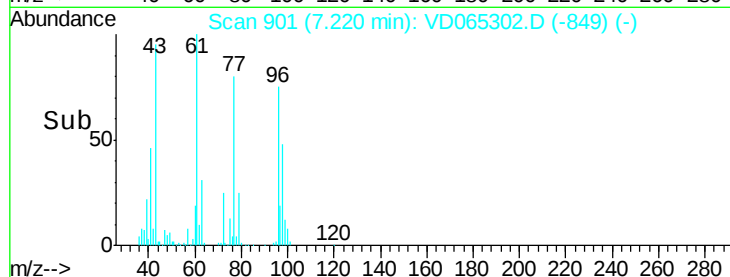
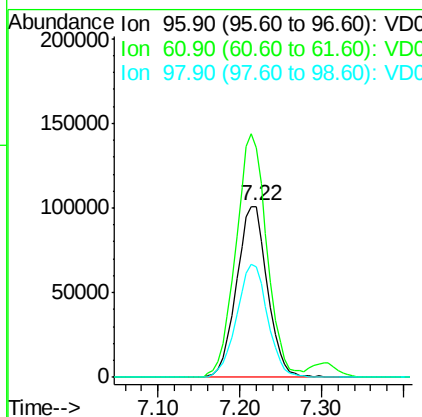
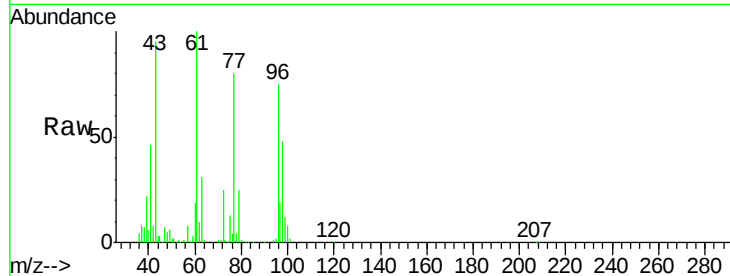
cis-1,2-Dichloroethene
Concen: 50.577 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	265809		
61	143.0		0.0	286.0
98	66.5		0.0	127.8

Manual Integrations
APPROVED

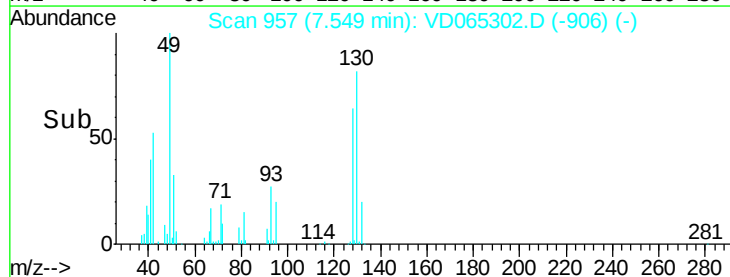
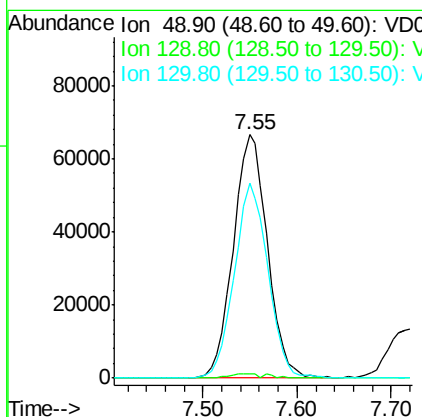
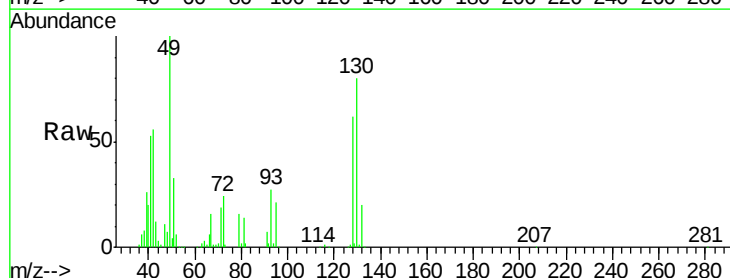
MMDadoda
2/25/2020 5:15:54 PM

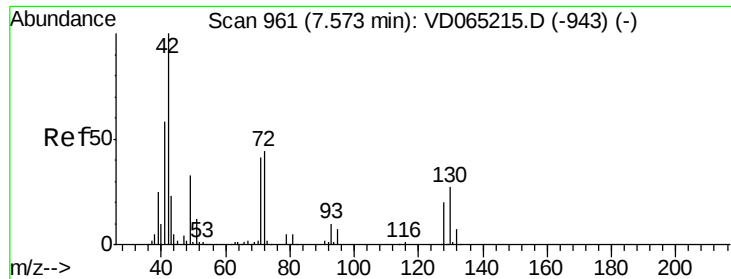


#28

Bromochloromethane
Concen: 53.356 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167753		
129	1.5		0.0	4.6
130	78.9		64.7	97.1





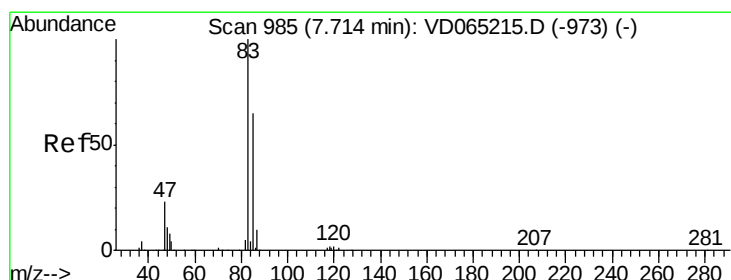
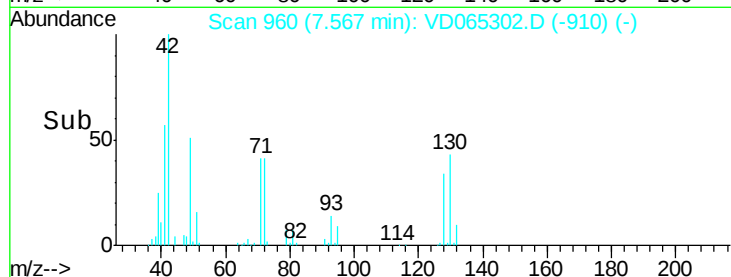
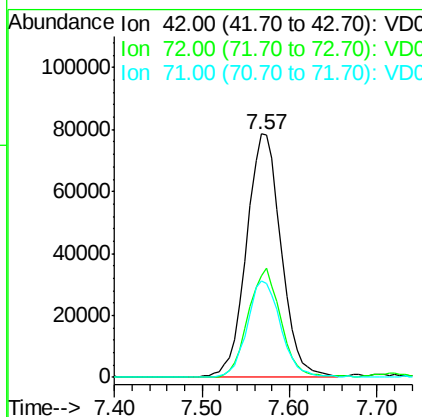
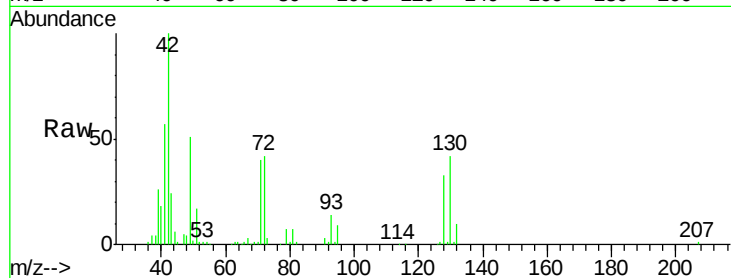
#29
Tetrahydrofuran
Concen: 276.657 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.7	50.5
71	38.5	31.4	47.2

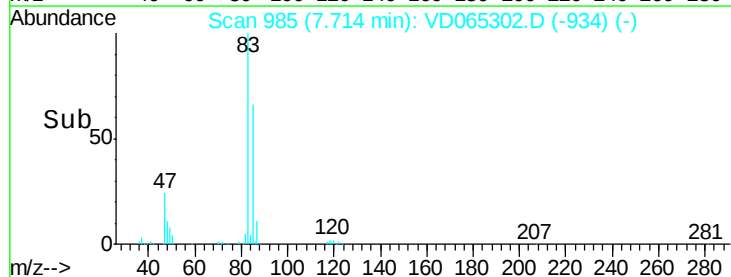
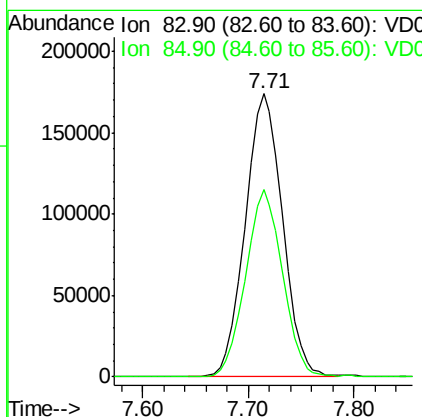
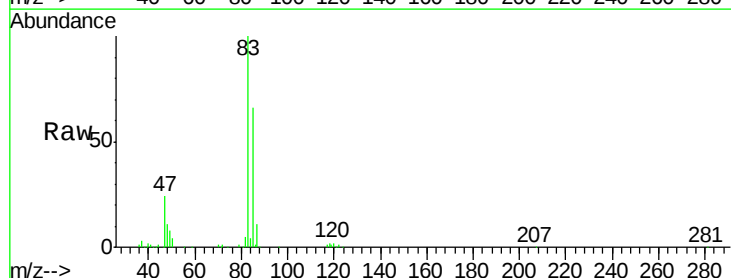
Manual Integrations
APPROVED

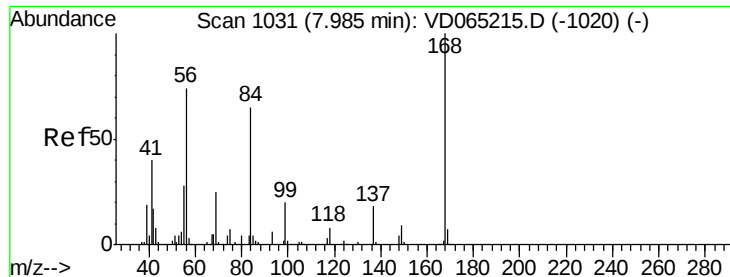
MMDadoda
2/25/2020 5:15:54 PM



#30
Chloroform
Concen: 50.023 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.3	78.5





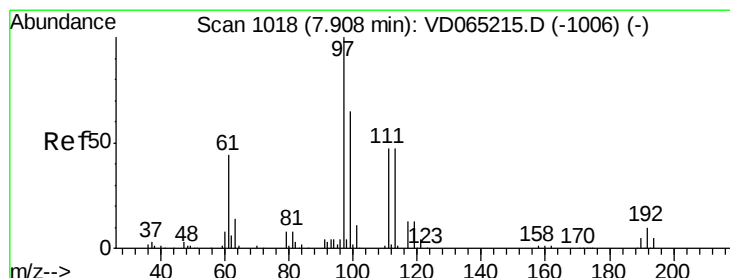
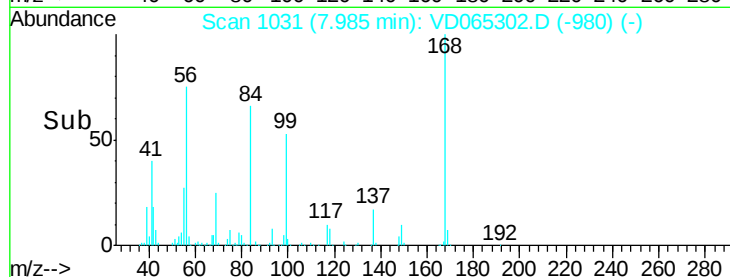
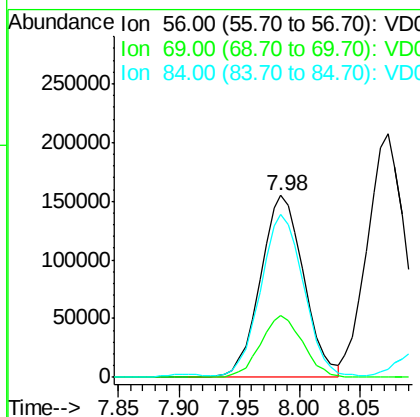
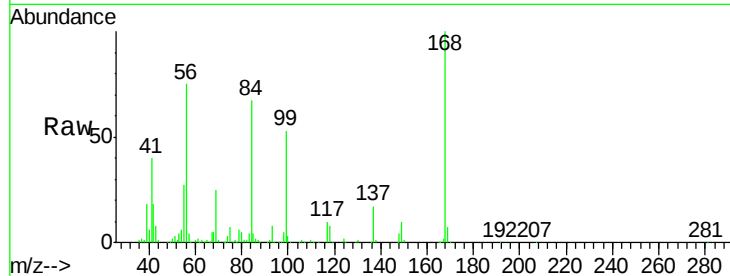
#31
Cyclohexane
Concen: 46.266 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	27.4	41.0
84	87.6	71.1	106.7

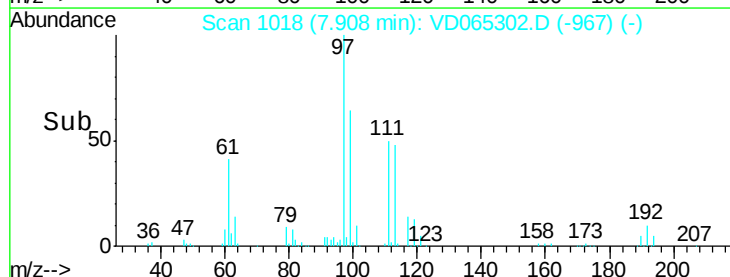
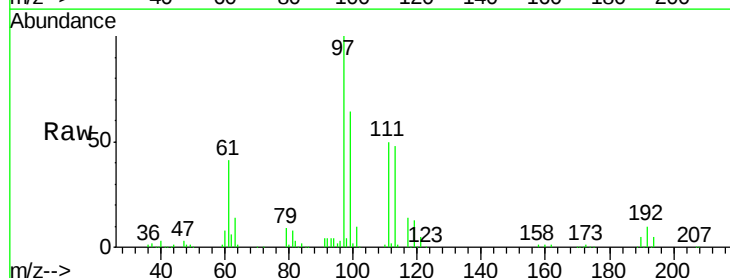
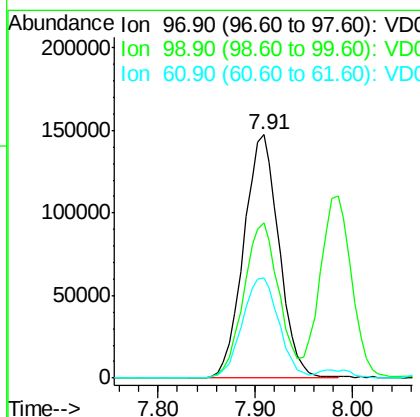
Manual Integrations
APPROVED

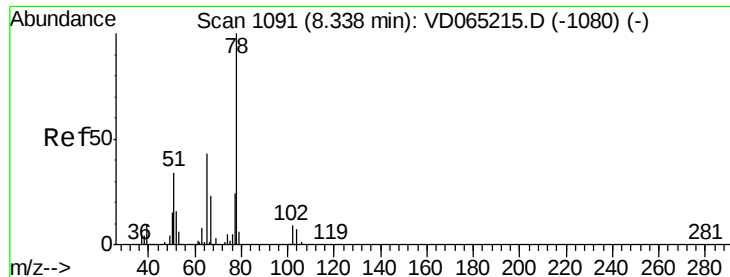
MMDadoda
2/25/2020 5:15:54 PM



#32
1,1,1-Trichloroethane
Concen: 48.878 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.4	77.2
61	42.7	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 50.819 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 215208

Ion Ratio Lower Upper

65 100

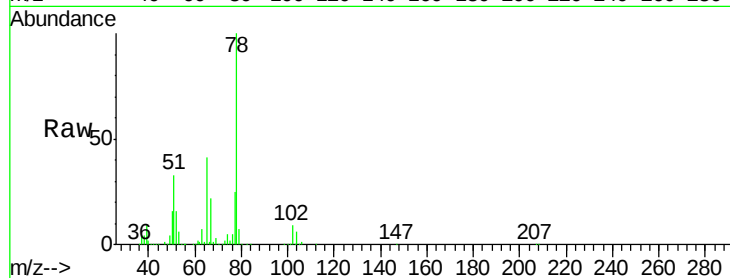
67 53.4 0.0 106.8

Manual Integrations

APPROVED

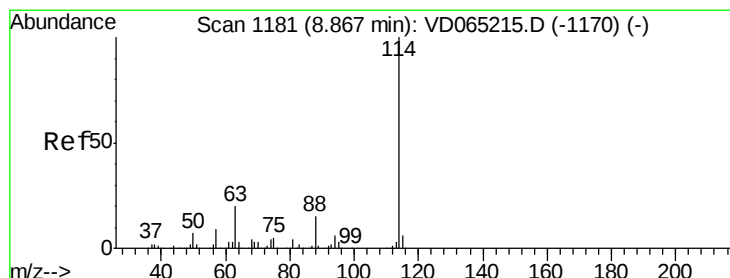
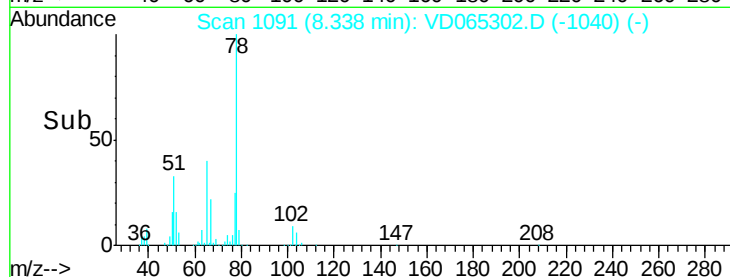
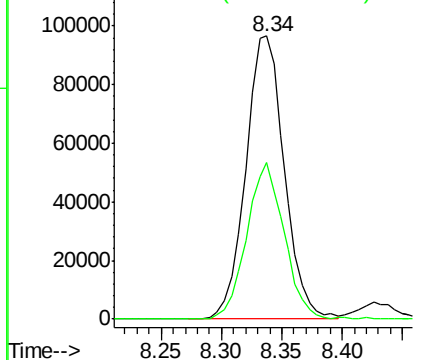
MMDadoda

2/25/2020 5:15:54 PM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

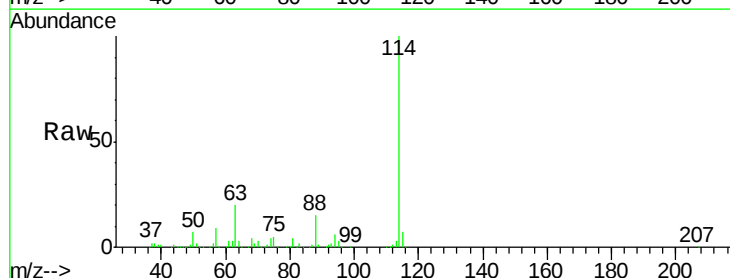
Tgt Ion: 114 Resp: 716947

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

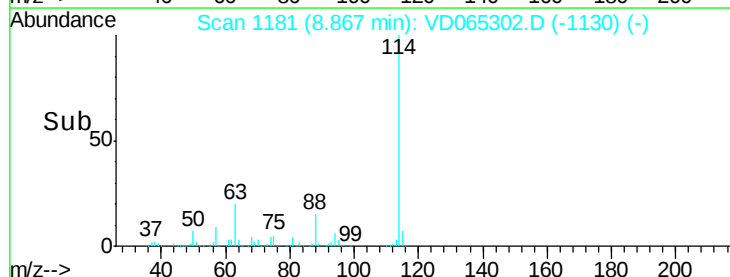
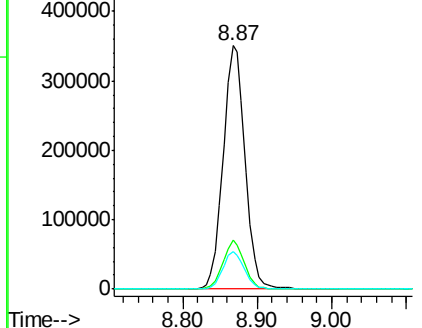
88 15.3 0.0 30.4

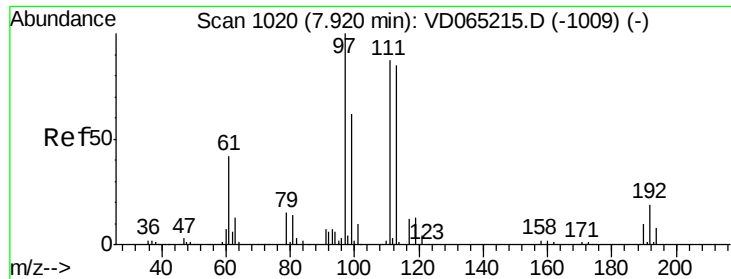


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





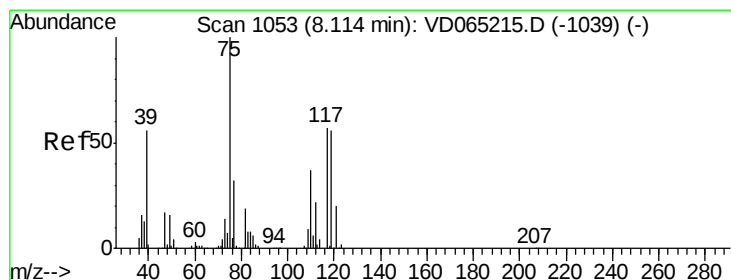
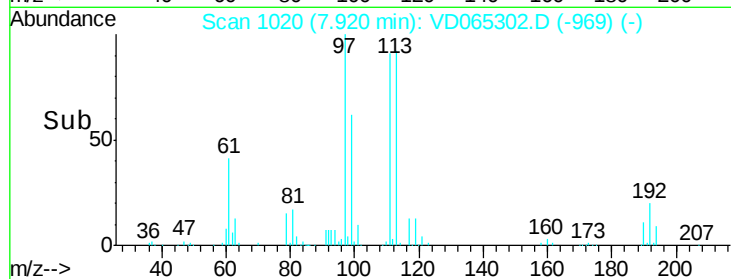
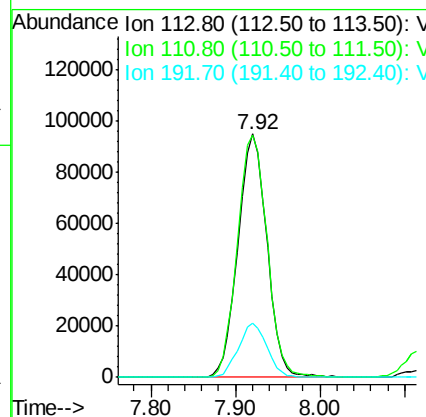
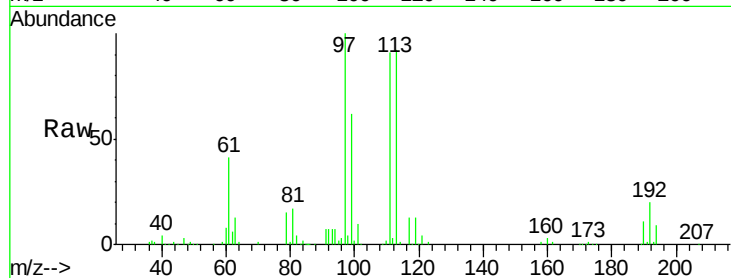
#35
Dibromofluoromethane
Concen: 51.438 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	224862		
111	102.5	82.9	124.3	
192	22.1	17.3	25.9	

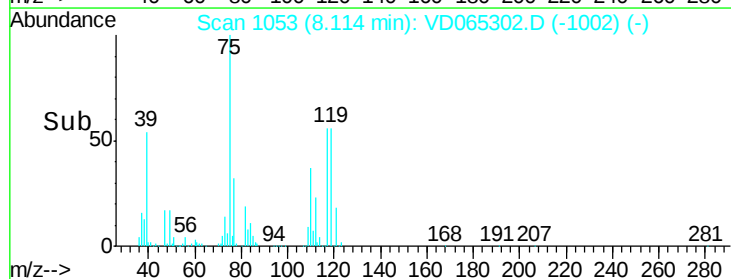
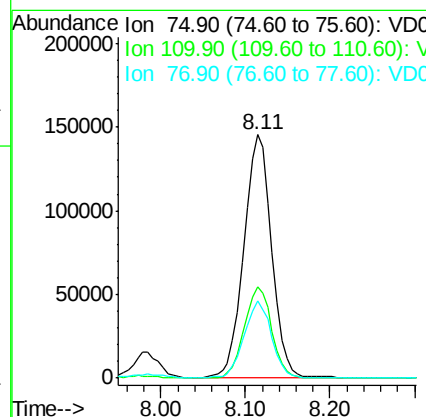
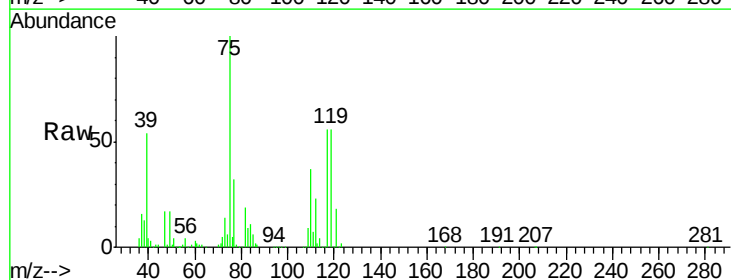
Manual Integrations
APPROVED

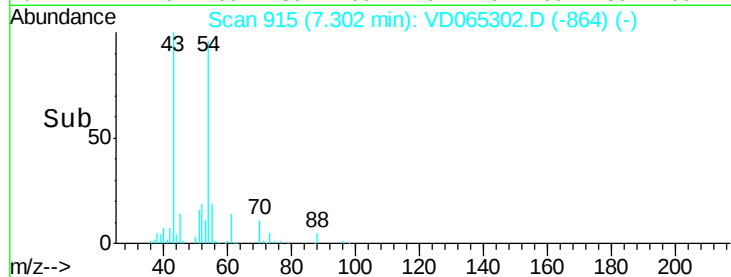
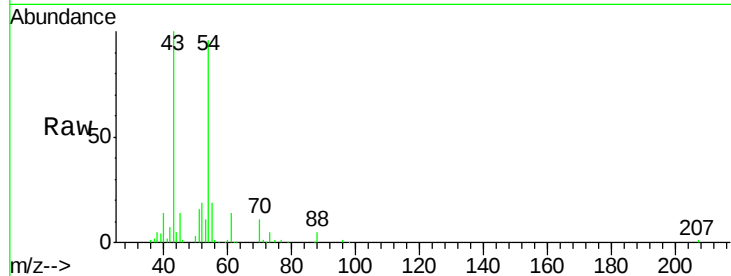
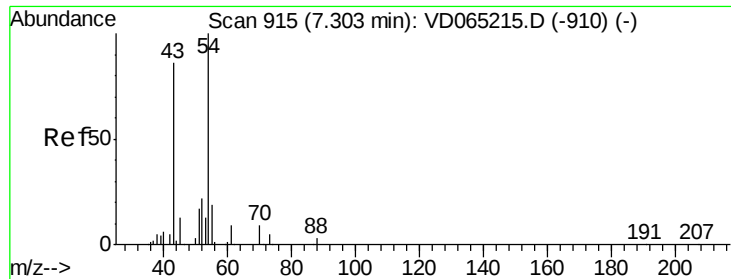
MMDadoda
2/25/2020 5:15:54 PM



#36
1,1-Dichloropropene
Concen: 47.237 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	329525		
110	36.9	17.9	53.7	
77	31.8	25.1	37.7	





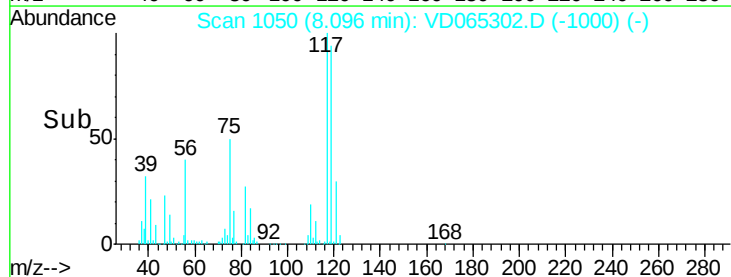
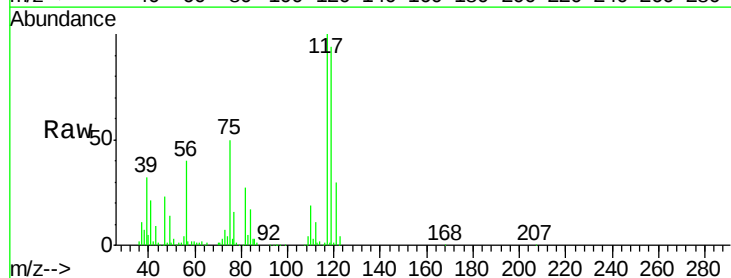
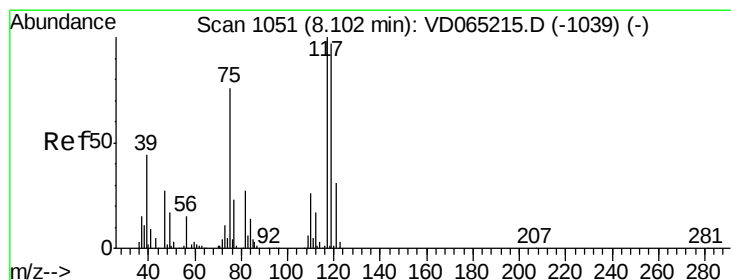
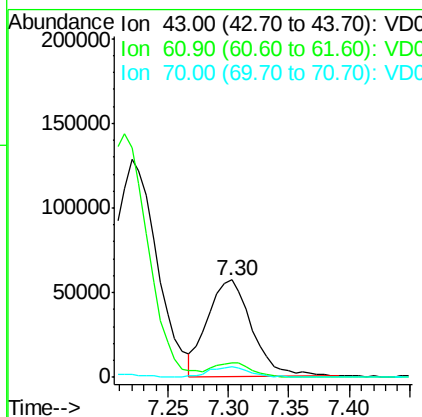
#37
Ethyl Acetate
Concen: 50.123 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.2	16.8
70	10.1	8.2	12.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

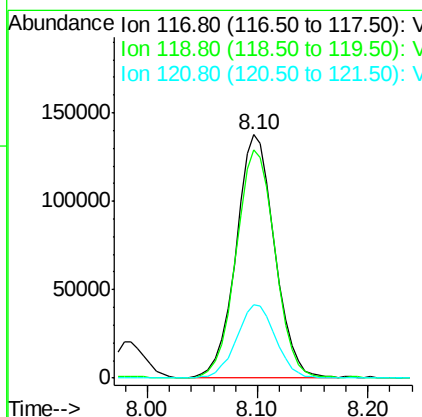
Manual Integrations
APPROVED

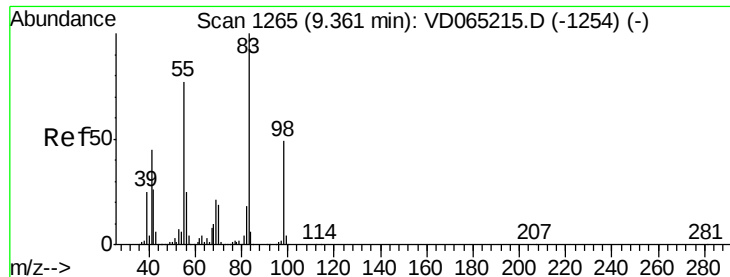
MMDadoda
2/25/2020 5:15:54 PM



#38
Carbon Tetrachloride
Concen: 47.243 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	77.6	116.4
121	30.4	24.8	37.2





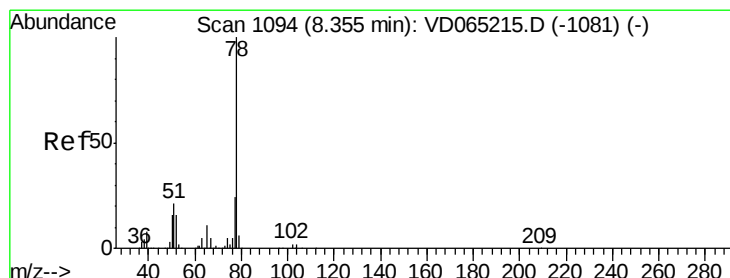
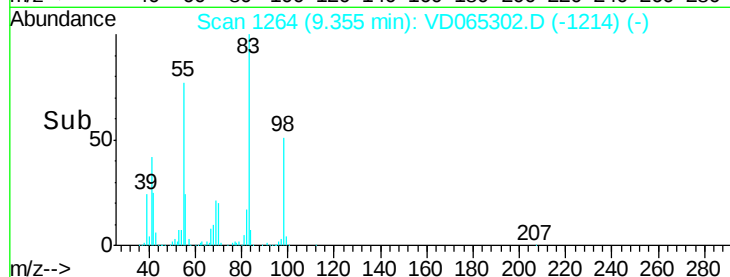
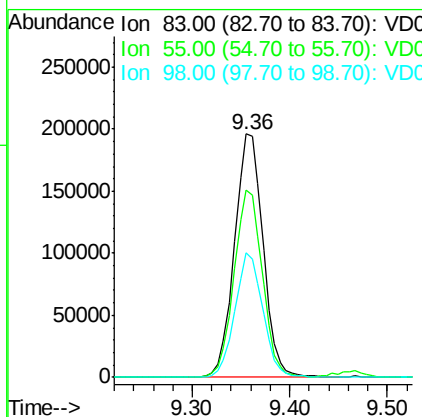
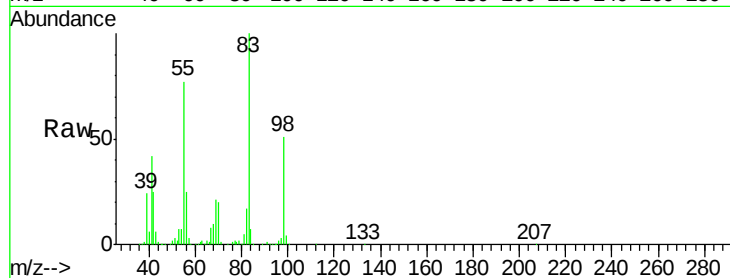
#39
Methylvlcyclohexane
Concen: 48.946 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	61.8	92.6
98	51.3	39.4	59.0

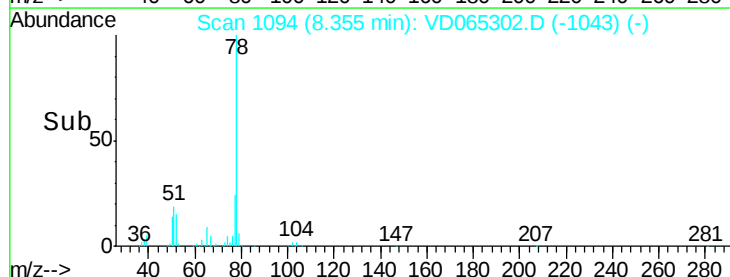
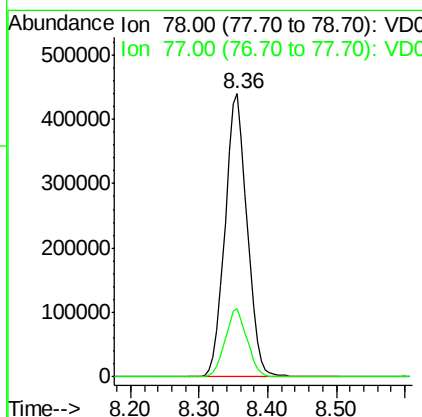
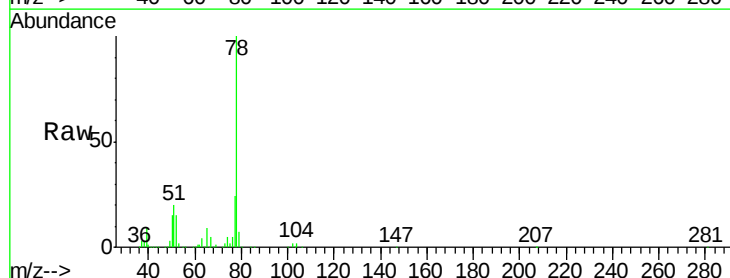
Manual Integrations
APPROVED

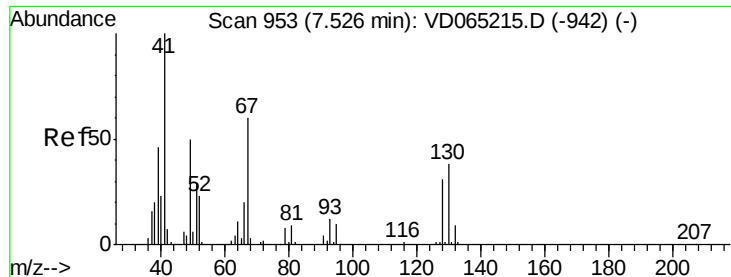
MMDadoda
2/25/2020 5:15:54 PM



#40
Benzene
Concen: 49.891 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





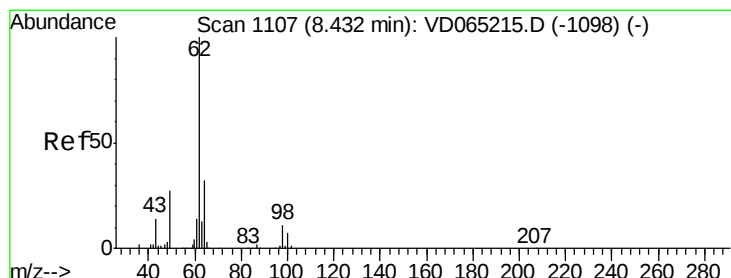
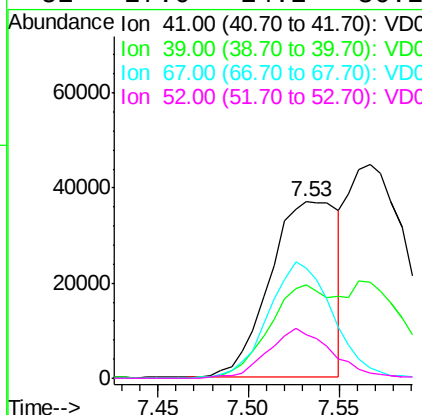
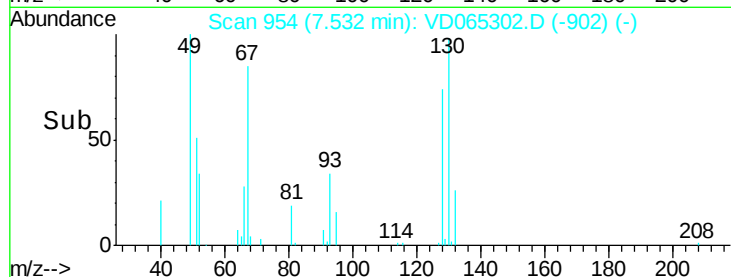
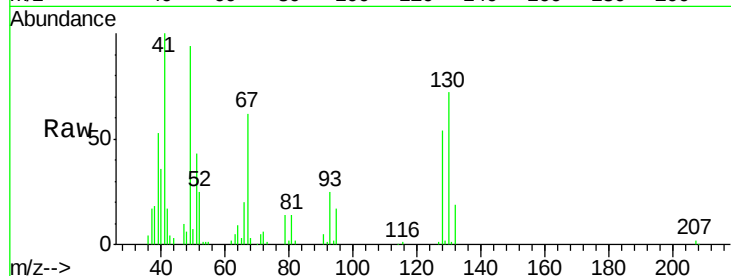
#41
Methacrylonitrile
Concen: 57.297 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		96478		
39	45.0	48.1	72.1#		
67	63.8	58.9	88.3		
52	27.0	24.2	36.2		

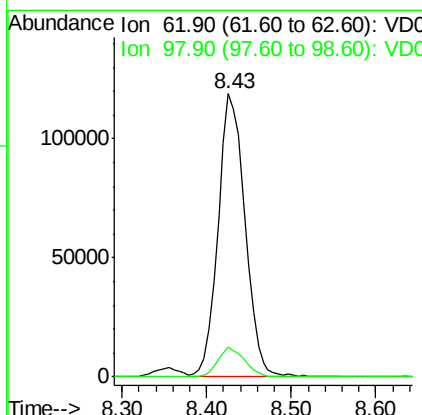
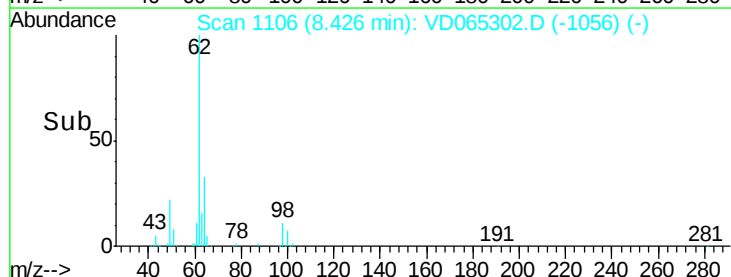
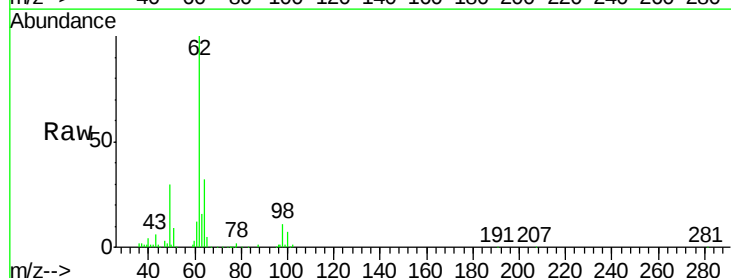
Manual Integrations
APPROVED

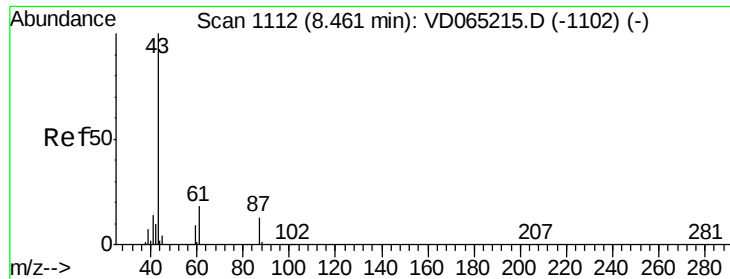
MMDadoda
2/25/2020 5:15:54 PM



#42
1,2-Dichloroethane
Concen: 48.892 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		264657		
98	10.4	0.0	20.6		





#43

Isopropyl Acetate

Concen: 51.268 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

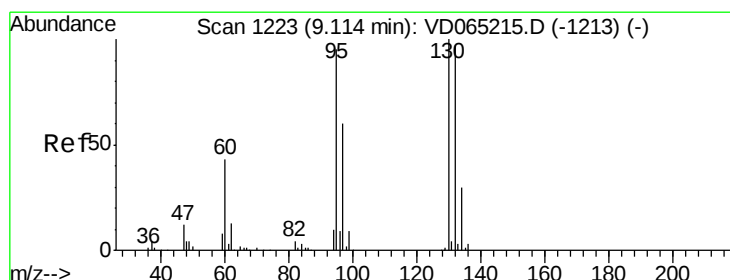
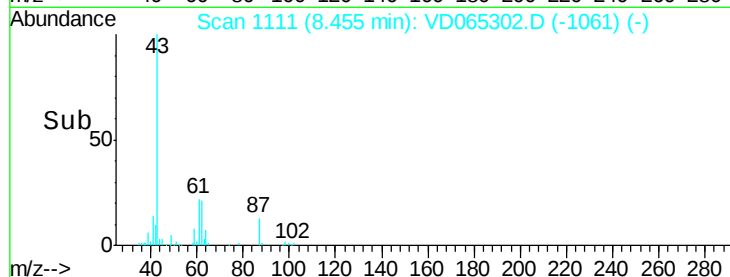
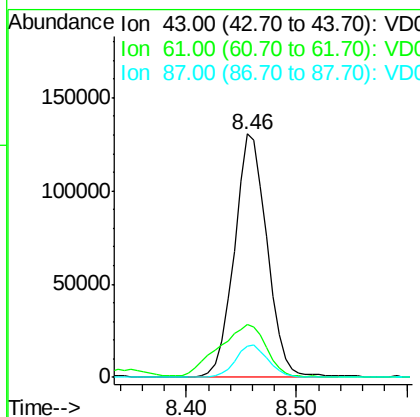
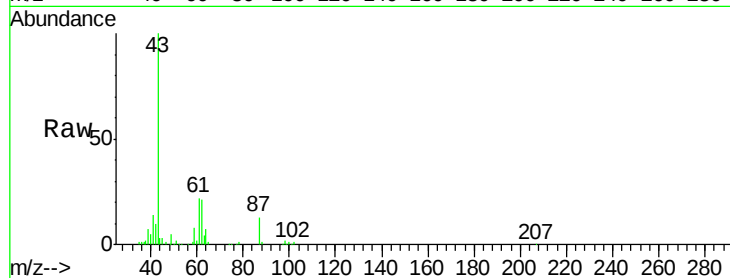
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	271882
Ion	Ratio	Lower	Upper
43	100		
61	31.6	24.6	36.8
87	13.3	10.6	16.0

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2/25/2020 5:15:54 PM



#44

Trichloroethene

Concen: 48.658 ug/l

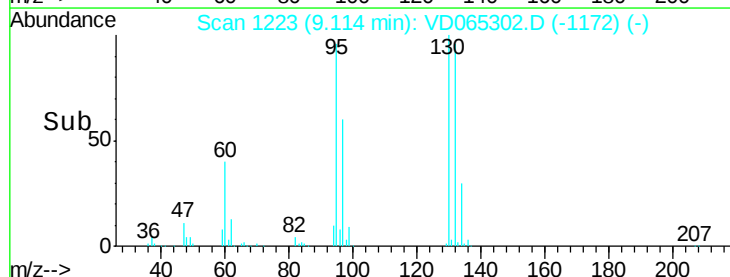
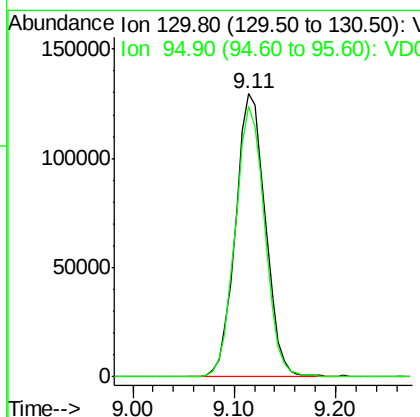
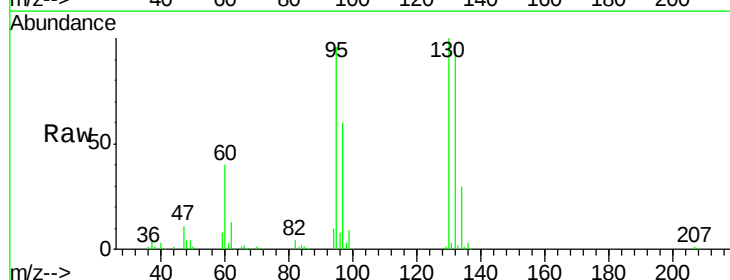
RT: 9.11 min Scan# 1223

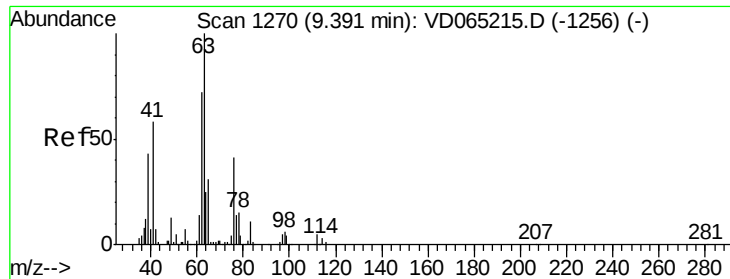
Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Tgt Ion:	130	Resp:	265578
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	190.6





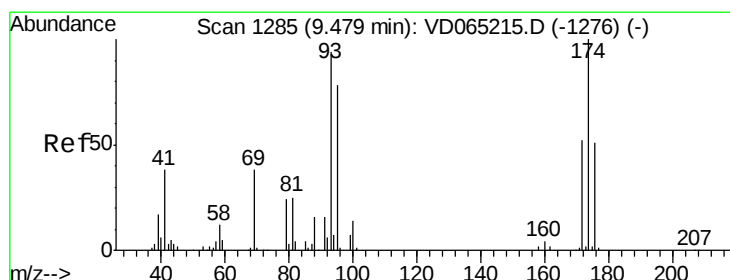
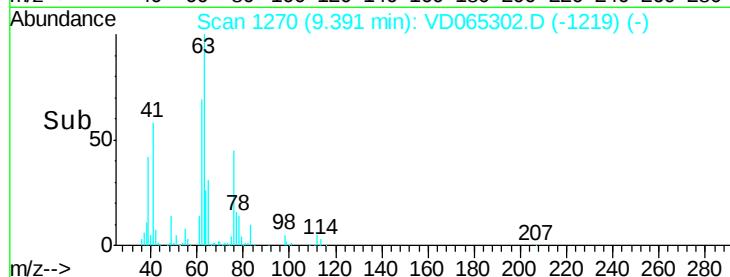
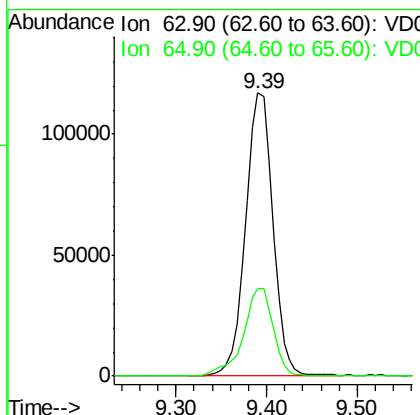
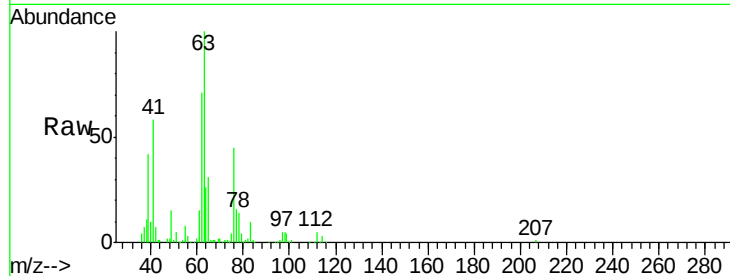
#45
 1,2-Dichloropropane
 Concen: 50.301 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.9	37.3

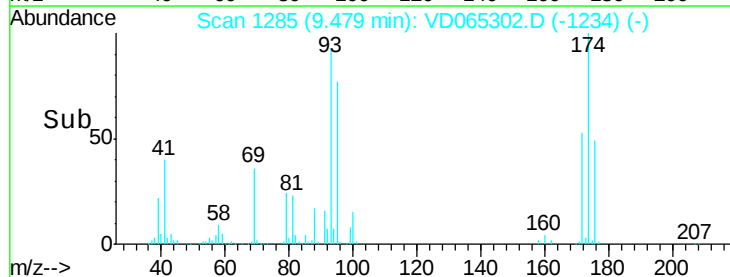
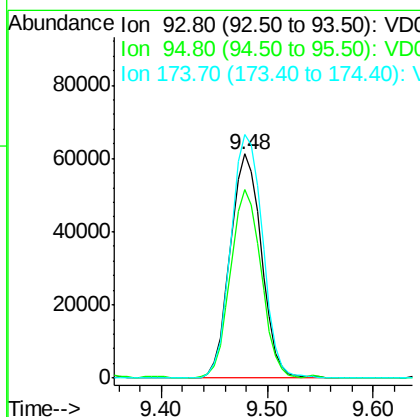
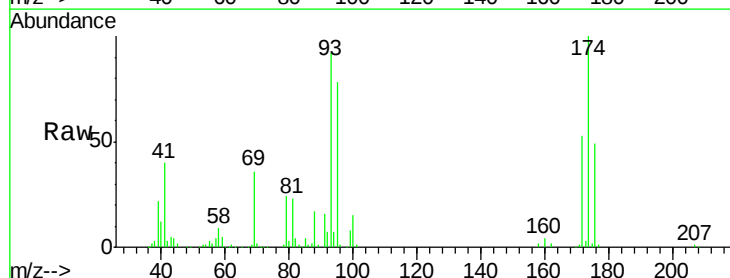
Manual Integrations
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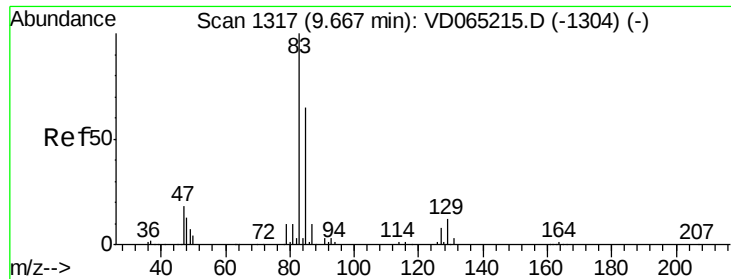
MMDadoda
 2/25/2020 5:15:54 PM



#46
 Dibromomethane
 Concen: 49.991 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.8	98.6
174	109.7	86.8	130.2





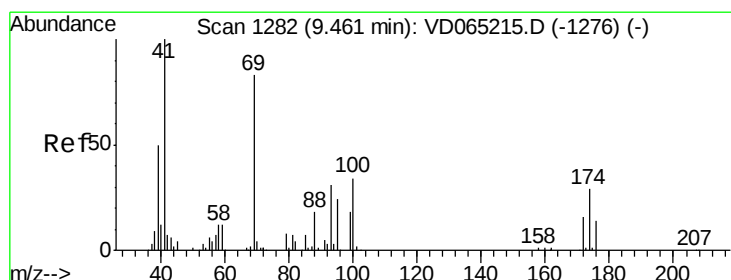
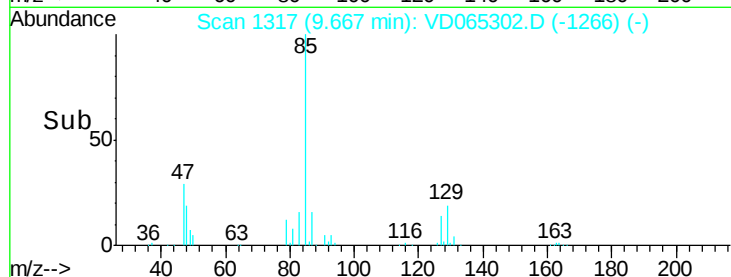
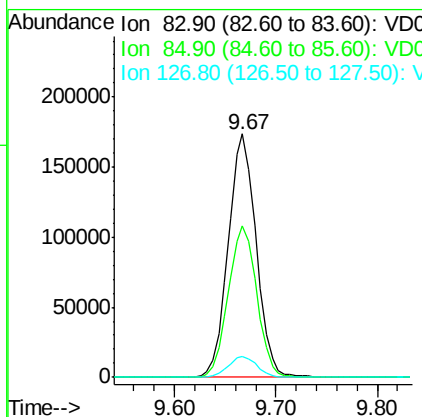
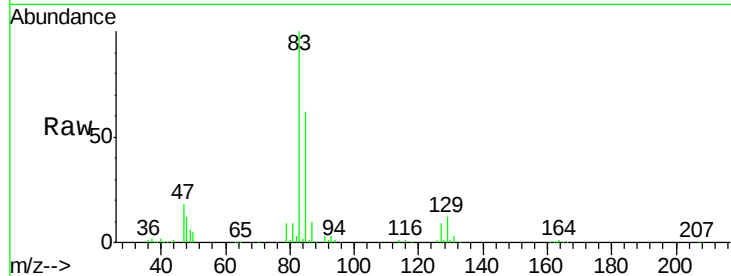
#47
Bromodichloromethane
Concen: 50.008 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	331994		
85	62.3	52.0	78.0	
127	8.8	6.7	10.1	

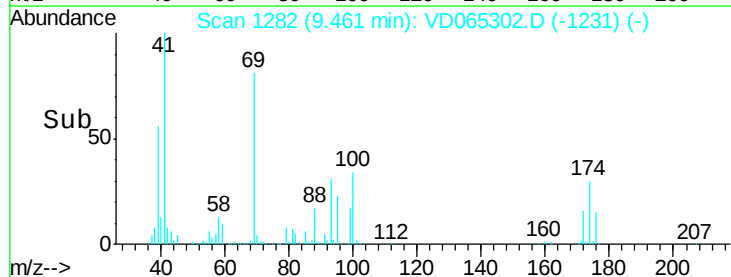
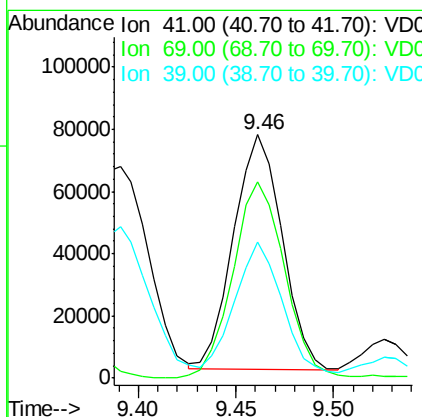
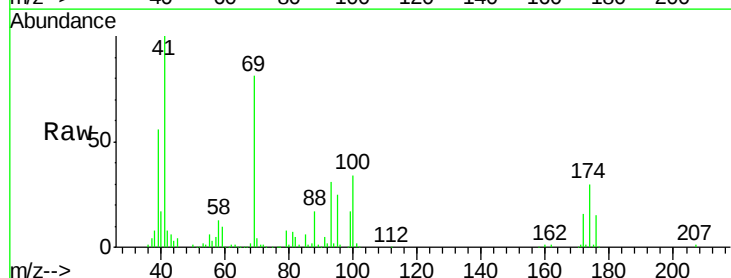
Manual Integrations
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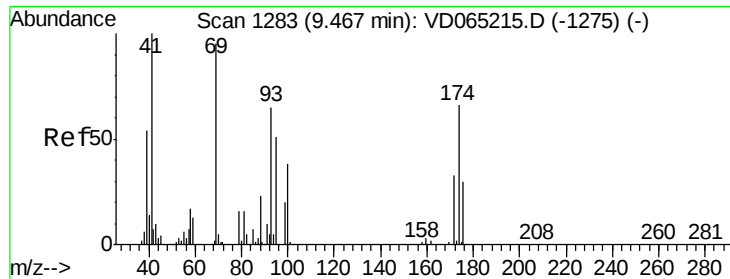
MMDadoda
2/25/2020 5:15:54 PM



#48
Methyl methacrylate
Concen: 53.235 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	130494		
69	88.8	68.2	102.2	
39	52.3	42.0	63.0	





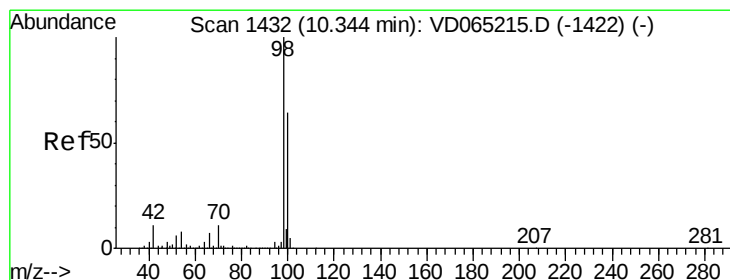
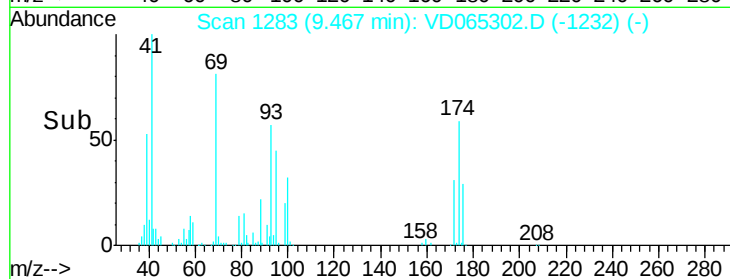
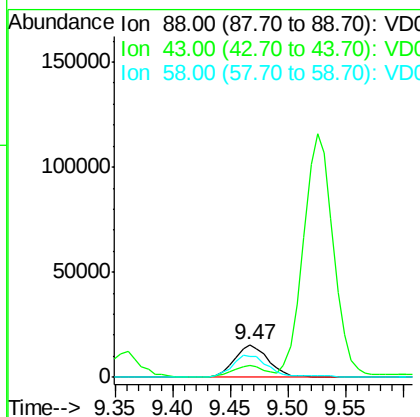
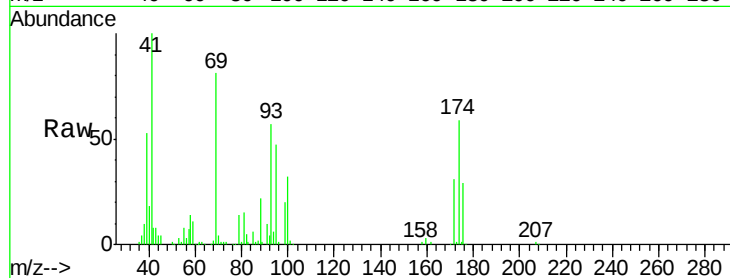
#49
1,4-Dioxane
Concen: 1078.455 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	28.5	42.7
58	69.1	58.6	87.8

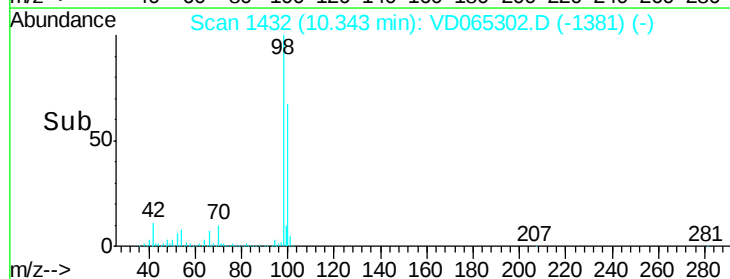
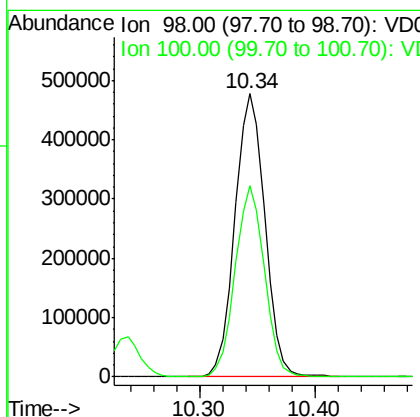
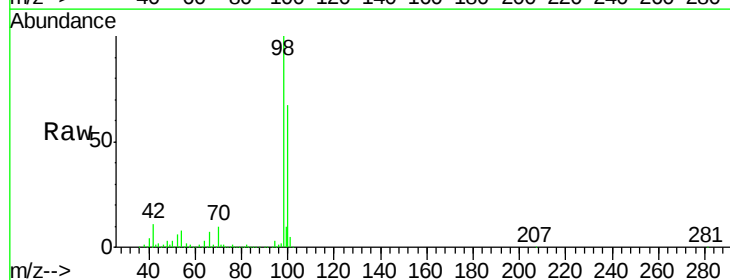
Manual Integrations
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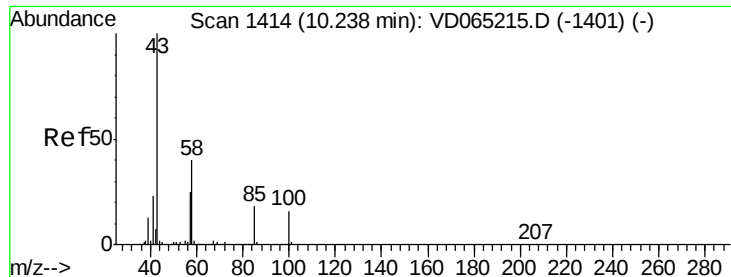
MMDadoda
2/25/2020 5:15:54 PM



#50
Toluene-d8
Concen: 51.404 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 266.499 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 717821

Ion Ratio Lower Upper

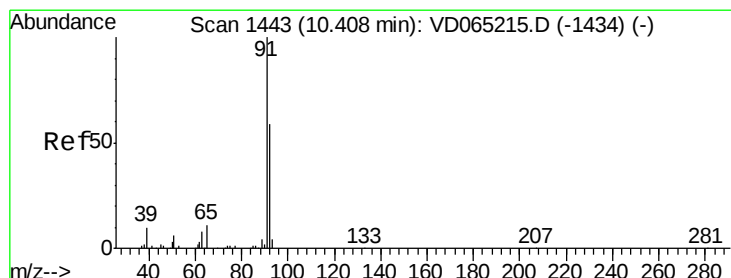
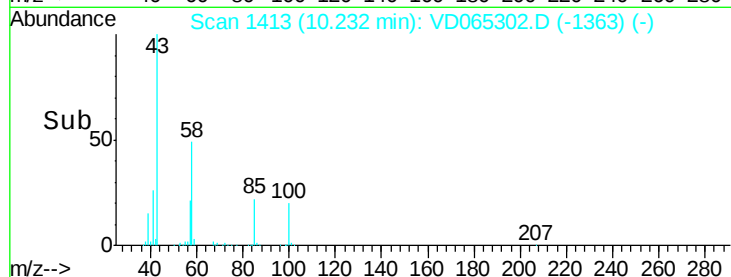
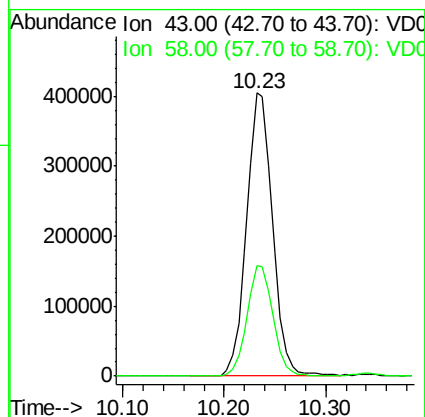
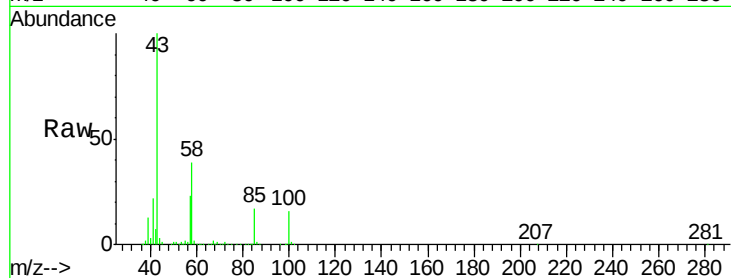
43 100

58 39.1 31.1 46.7

Manual Integrations
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2/25/2020 5:15:54 PM



#52

Toluene

Concen: 51.165 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065302.D

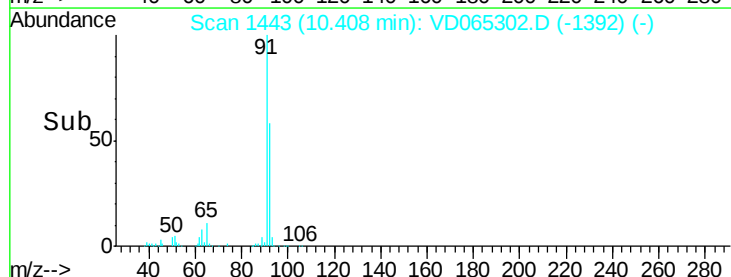
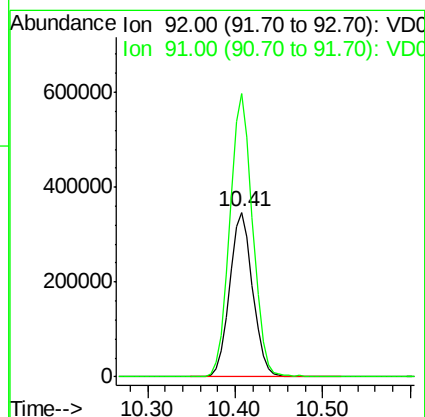
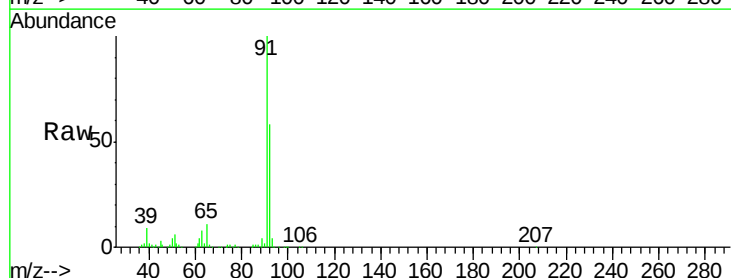
Acq: 24 Feb 2020 18:46

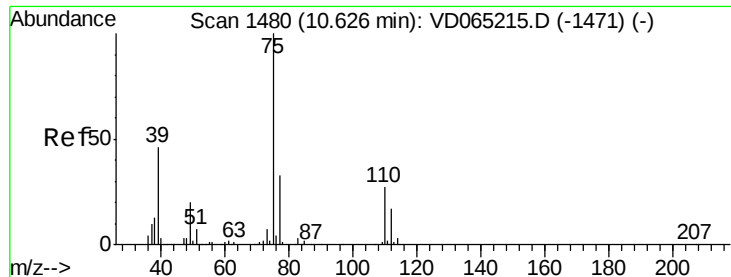
Tgt Ion: 92 Resp: 623597

Ion Ratio Lower Upper

92 100

91 171.3 136.3 204.5





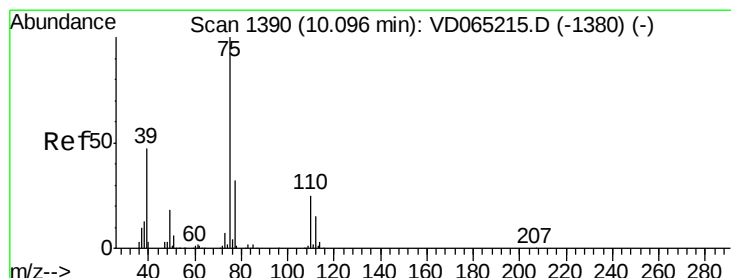
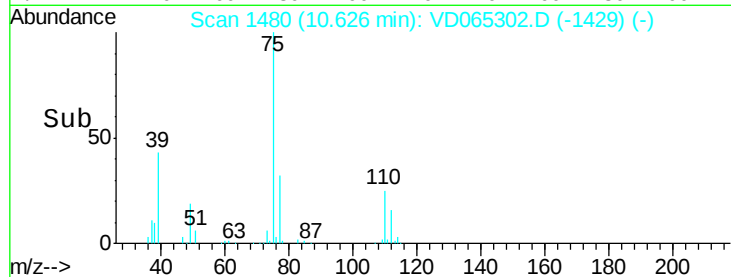
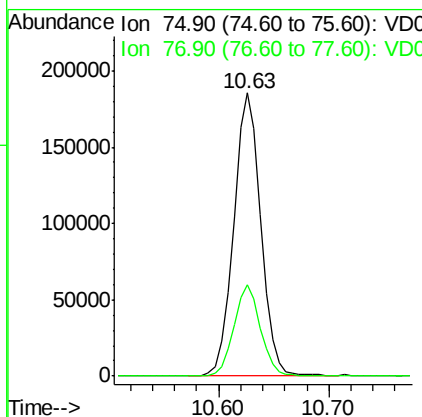
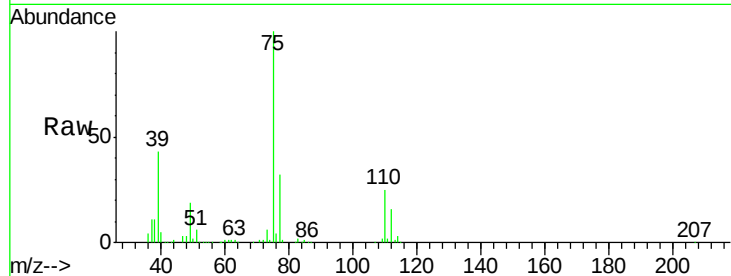
#53
 t-1,3-Dichloropropene
 Concen: 51.882 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 319262
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.6 40.0

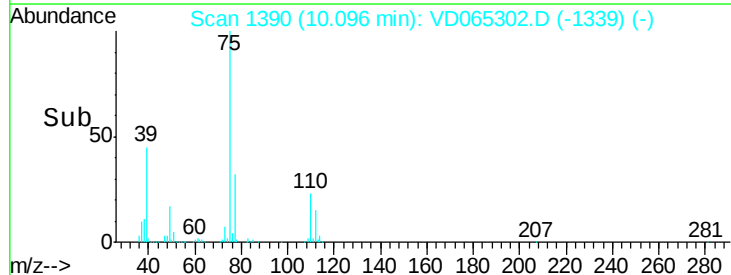
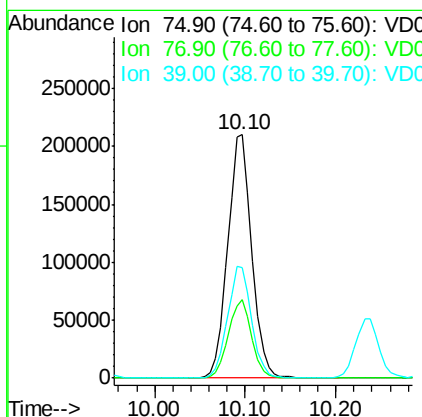
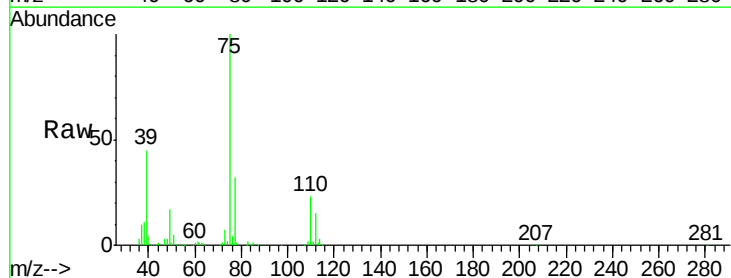
Manual Integrations
 APPROVED

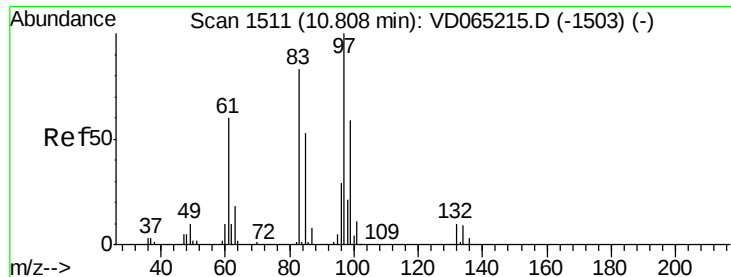
MMDadoda
 2/25/2020 5:15:54 PM



#54
 cis-1,3-Dichloropropene
 Concen: 52.059 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Tgt Ion: 75 Resp: 386841
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.8
 39 45.1 37.3 55.9





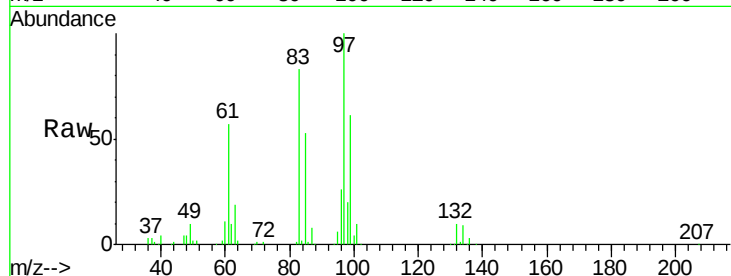
#55
 1,1,2-Trichloroethane
 Concen: 50.682 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		179705		
83	83.1	66.7	100.1		
85	53.4	42.4	63.6		
99	60.6	47.5	71.3		

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 5:15:54 PM



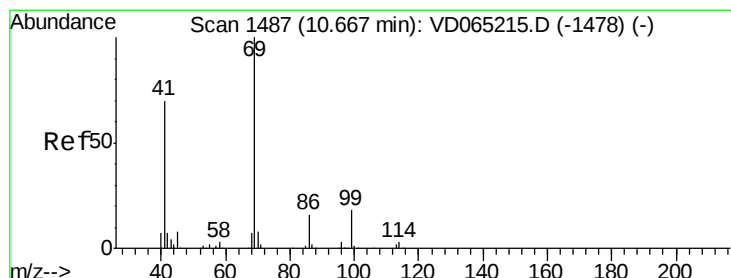
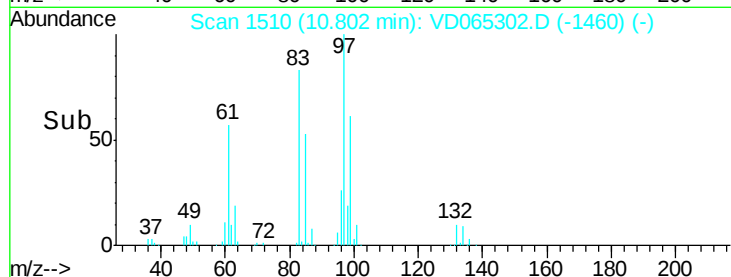
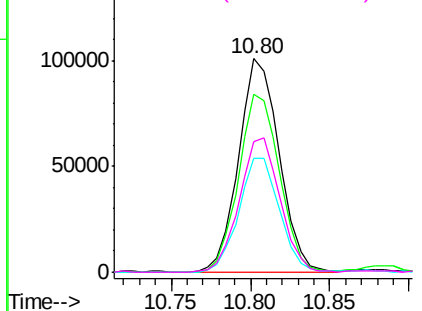
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

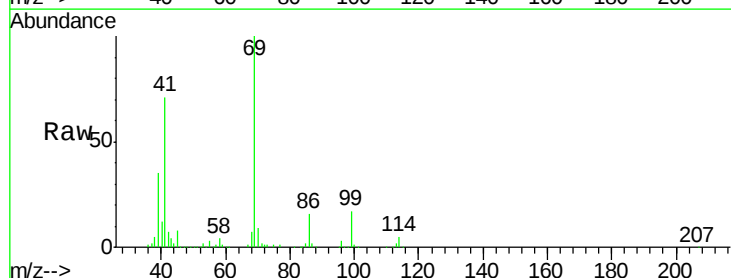
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 55.906 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		228796		
41	67.7	54.6	81.8		
39	31.5	26.5	39.7		

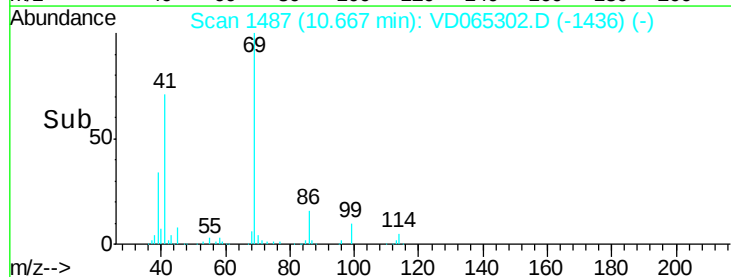
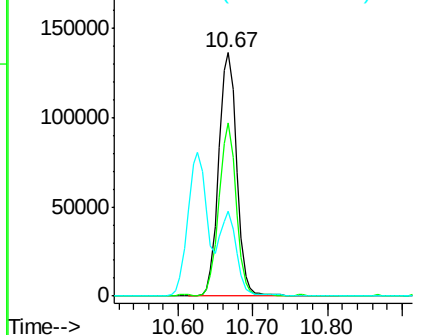


Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 51.935 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 313414

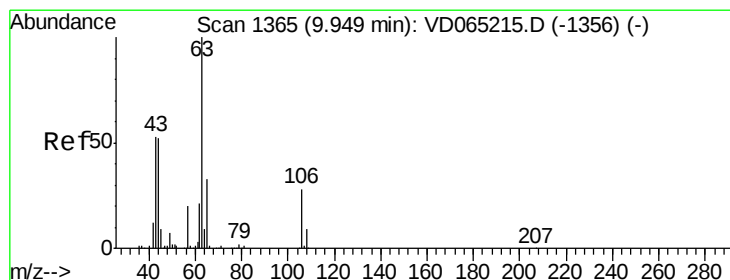
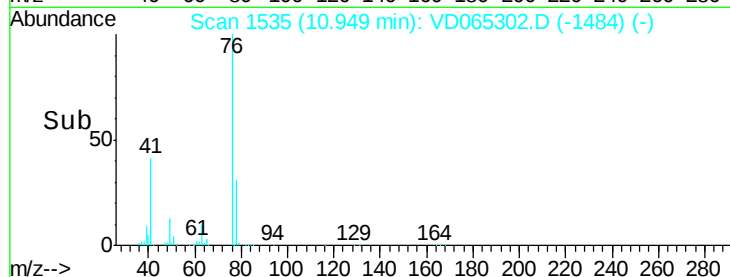
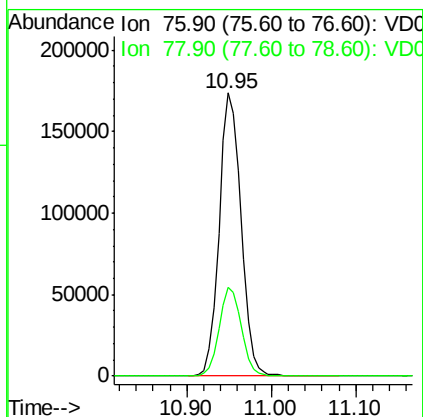
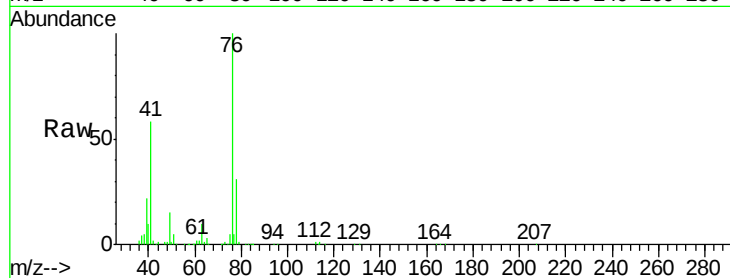
Ion Ratio Lower Upper

76 100

78 31.7 26.3 39.5

Manual Integrations
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2/25/2020 5:15:54 PM



#58

2-Chloroethyl Vinyl ether

Concen: 240.605 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065302.D

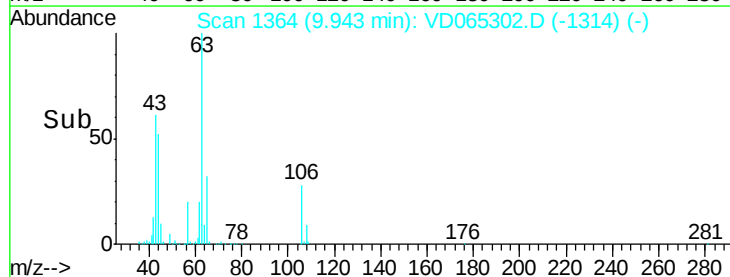
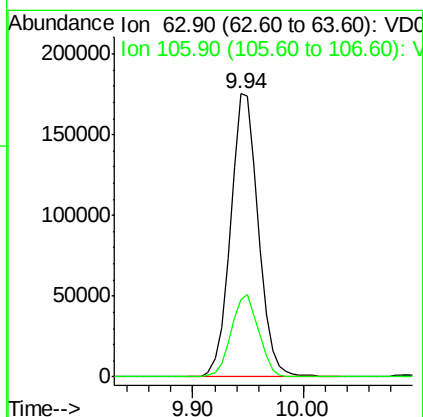
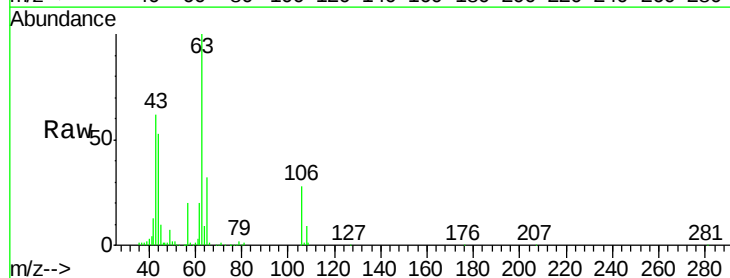
Acq: 24 Feb 2020 18:46

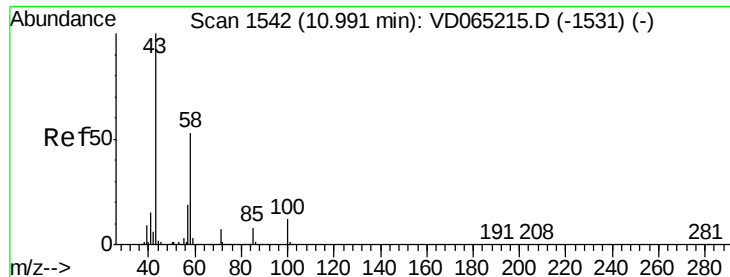
Tgt Ion: 63 Resp: 310445

Ion Ratio Lower Upper

63 100

106 29.0 22.8 34.2





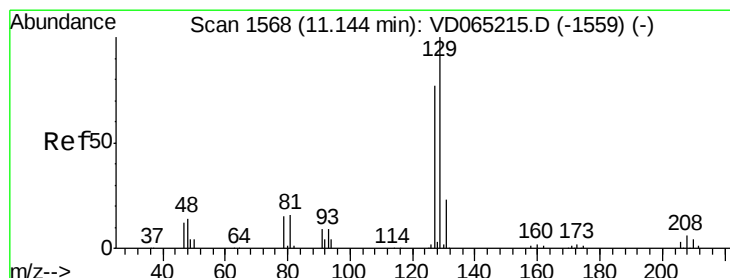
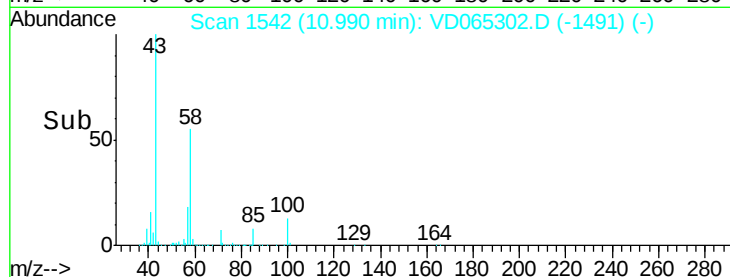
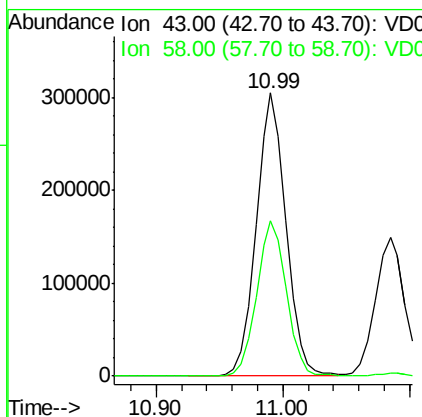
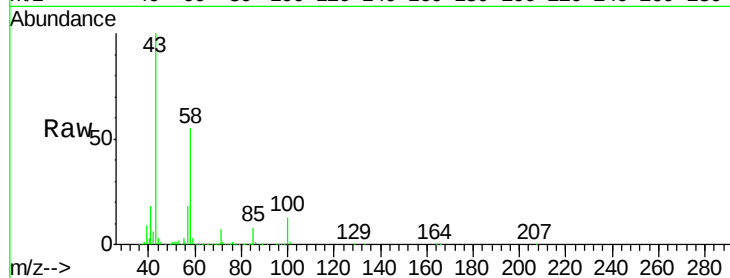
#59
2-Hexanone
Concen: 257.615 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 496717
Ion Ratio Lower Upper
43 100
58 54.9 26.3 78.8

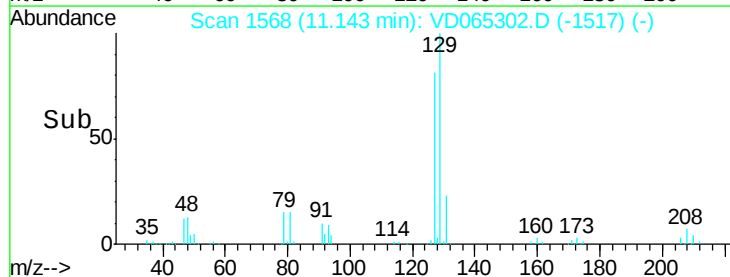
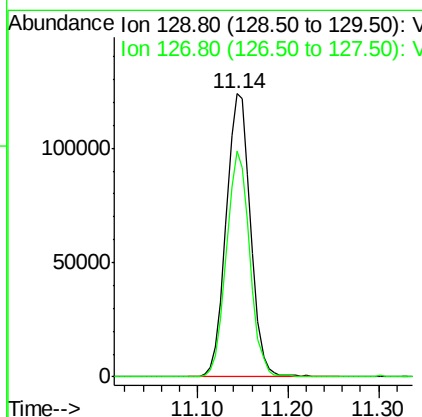
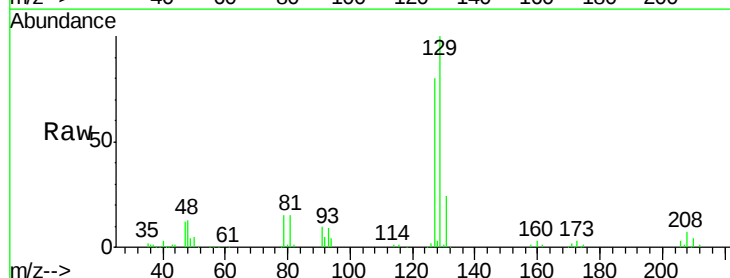
Manual Integrations
APPROVED

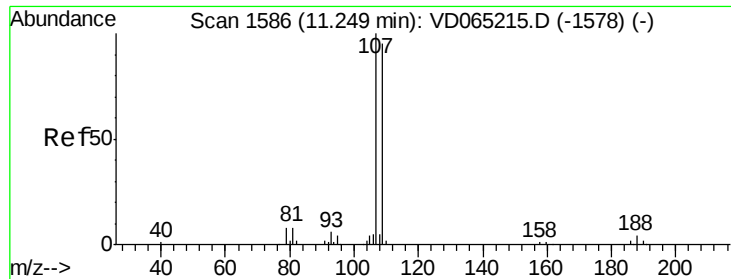
MMDadoda
2/25/2020 5:15:54 PM



#60
Dibromochloromethane
Concen: 50.864 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion: 129 Resp: 230834
Ion Ratio Lower Upper
129 100
127 76.8 38.7 116.1





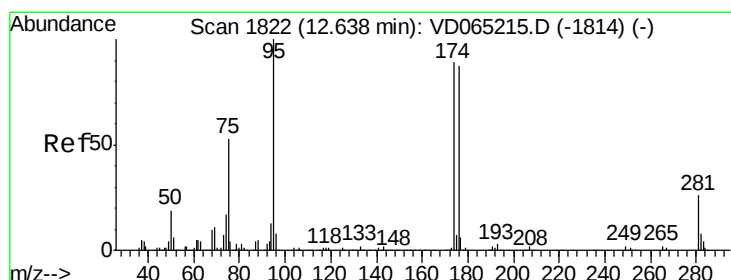
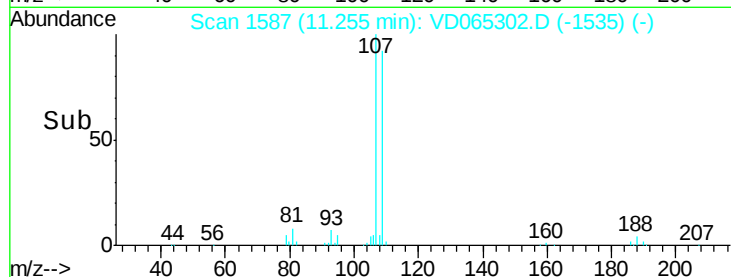
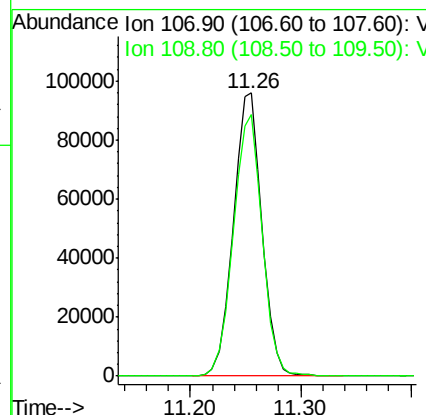
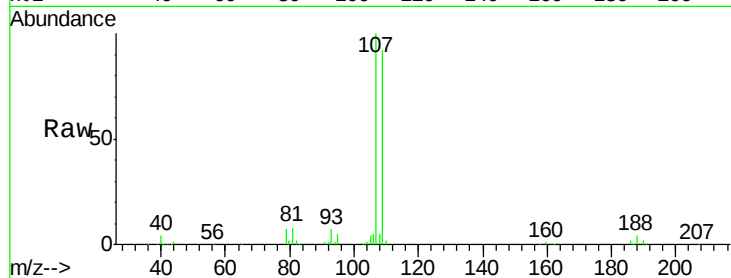
#61
 1,2-Dibromoethane
 Concen: 51.770 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 173799
 Ion Ratio Lower Upper
 107 100
 109 93.3 76.2 114.4

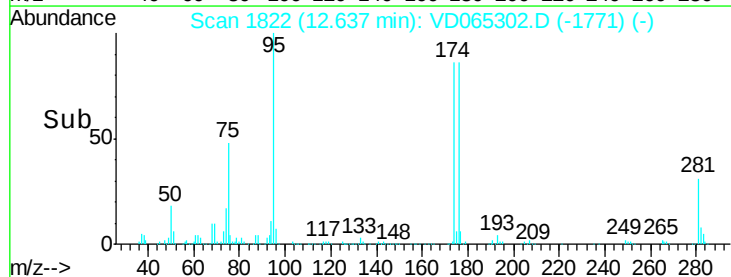
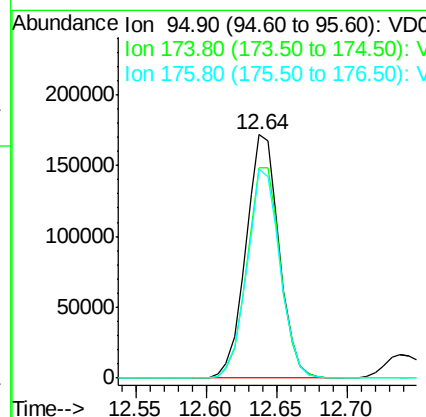
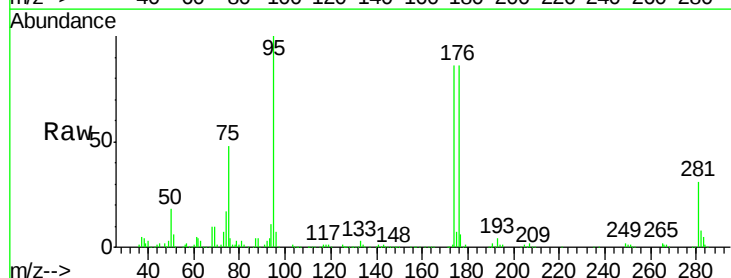
Manual Integrations
 APPROVED

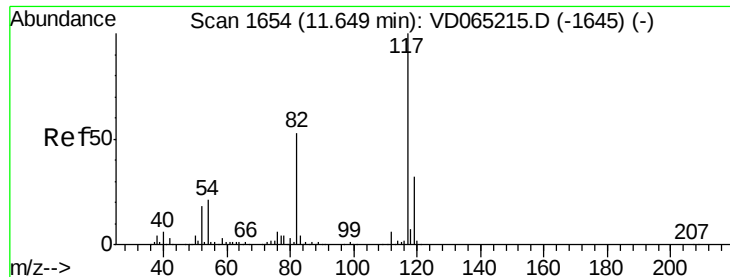
MMDadoda
 2/25/2020 5:15:54 PM



#62
 4-Bromofluorobenzene
 Concen: 53.214 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Tgt Ion: 95 Resp: 281724
 Ion Ratio Lower Upper
 95 100
 174 87.4 0.0 178.0
 176 85.4 0.0 174.4





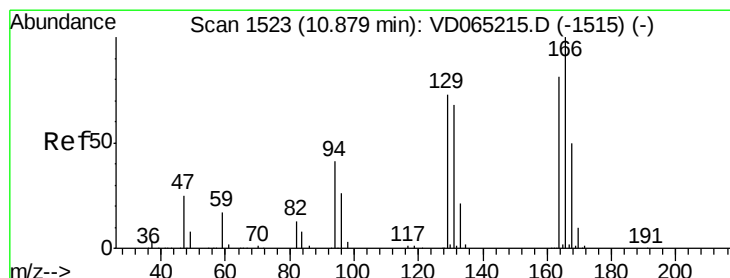
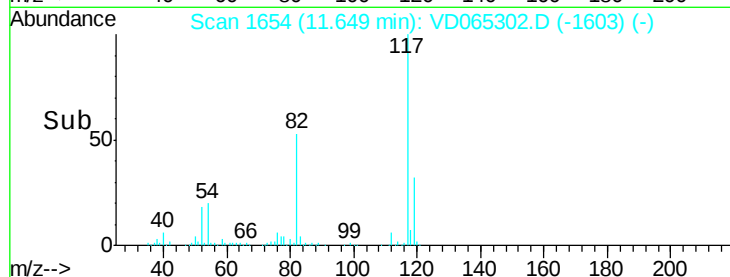
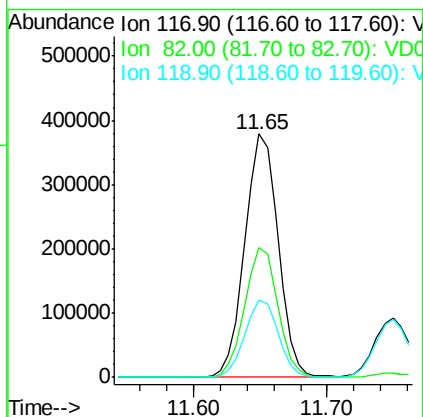
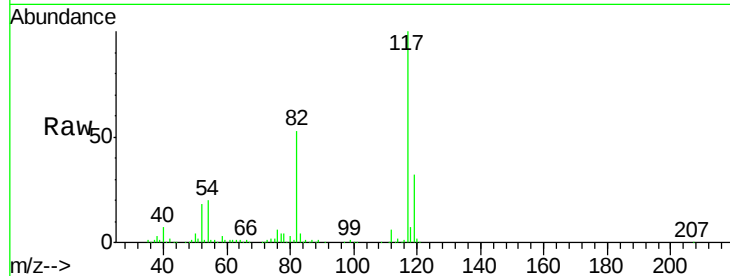
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.7	64.1
119	31.9	25.5	38.3

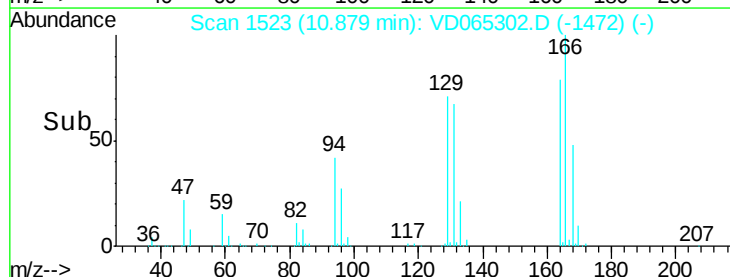
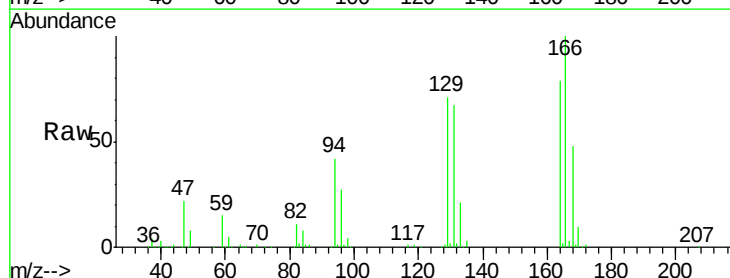
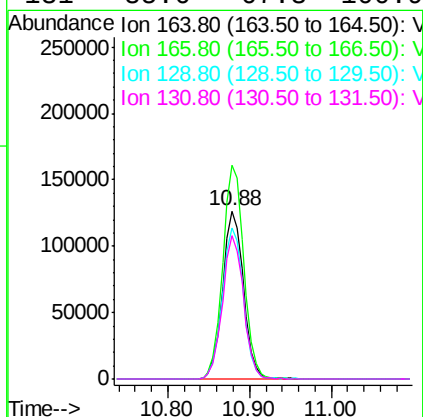
Manual Integrations
APPROVED

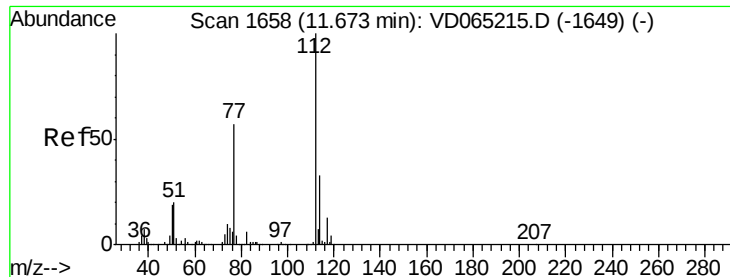
MMDadoda
2/25/2020 5:15:54 PM



#64
Tetrachloroethene
Concen: 48.450 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	98.4	147.6
129	89.8	71.6	107.4
131	85.6	67.3	100.9





#65

Chlorobenzene

Concen: 49.570 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 651658

Ion Ratio Lower Upper

112 100

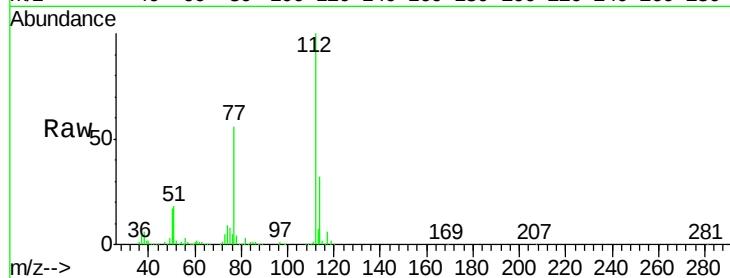
114 32.4 26.4 39.6

Manual Integrations

APPROVED

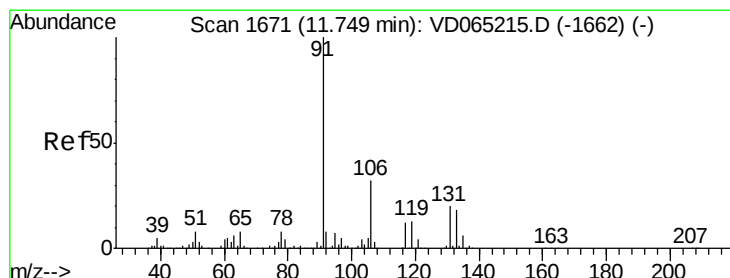
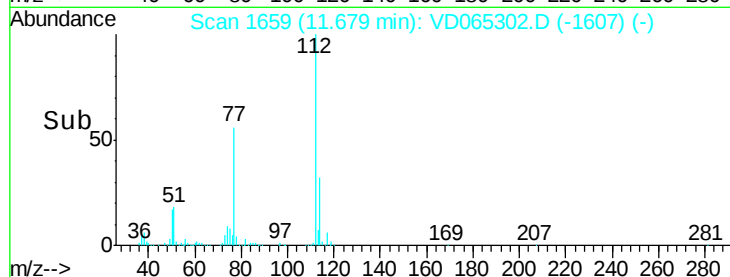
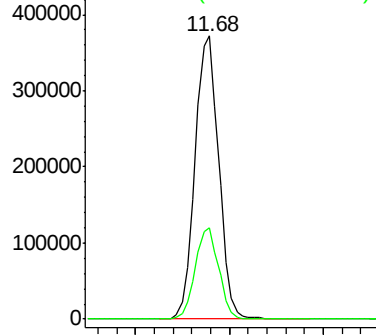
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.548 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

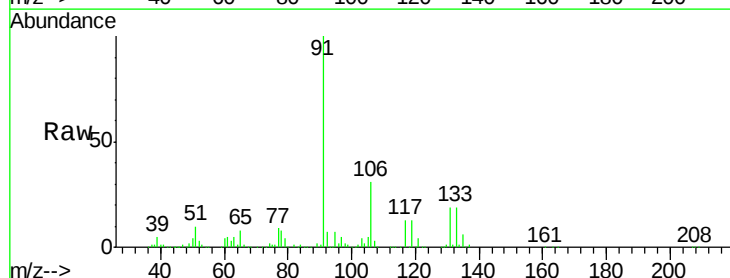
Tgt Ion:131 Resp: 243072

Ion Ratio Lower Upper

131 100

133 96.2 47.7 143.1

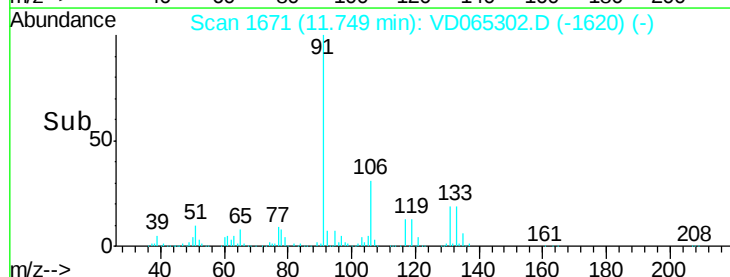
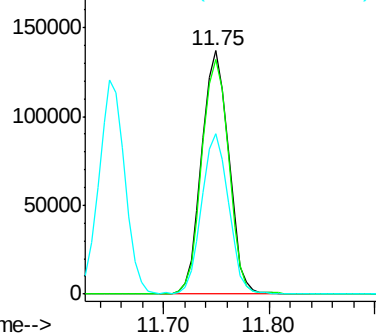
119 65.9 32.7 98.1

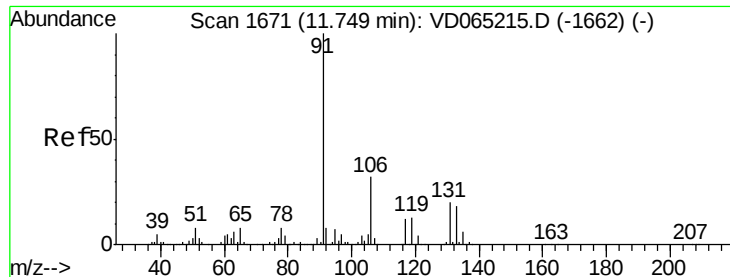


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





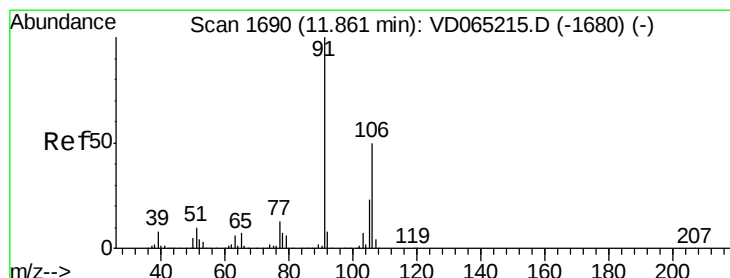
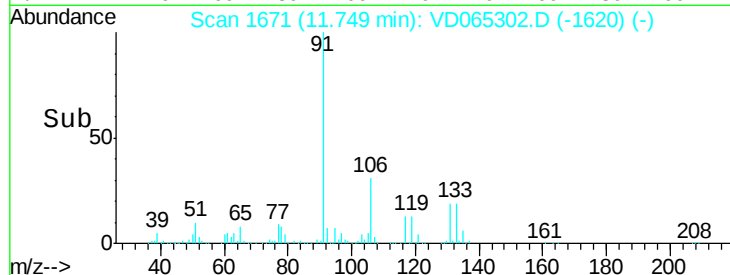
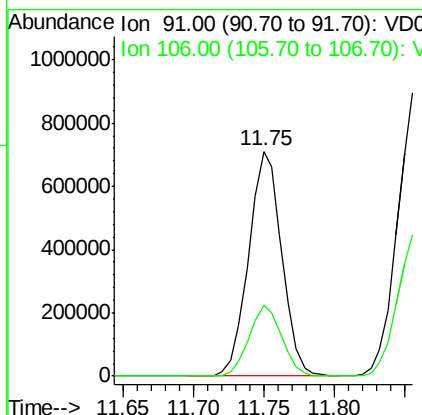
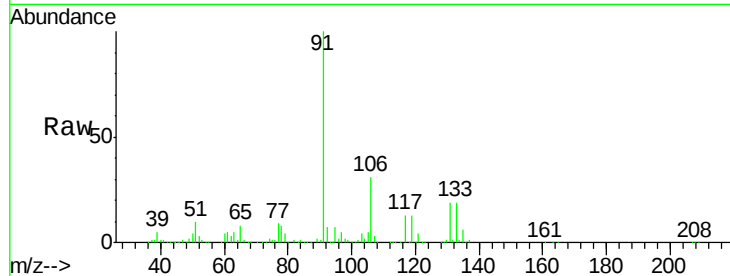
#67
Ethyl Benzene
Concen: 50.830 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1170328
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

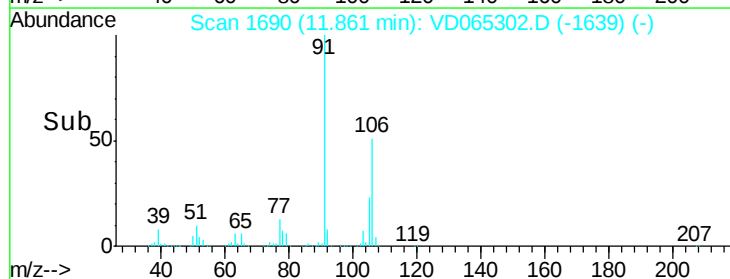
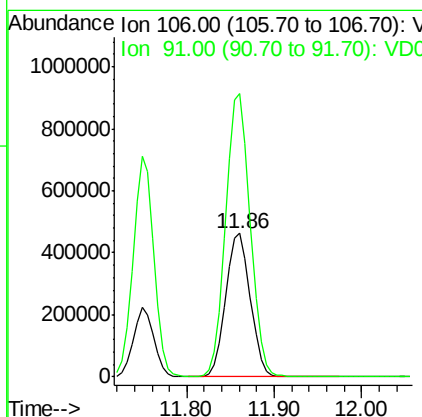
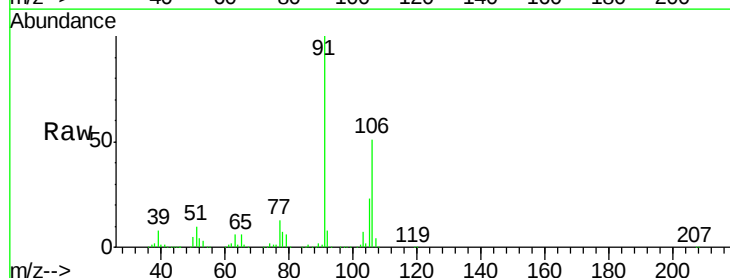
Manual Integrations
APPROVED

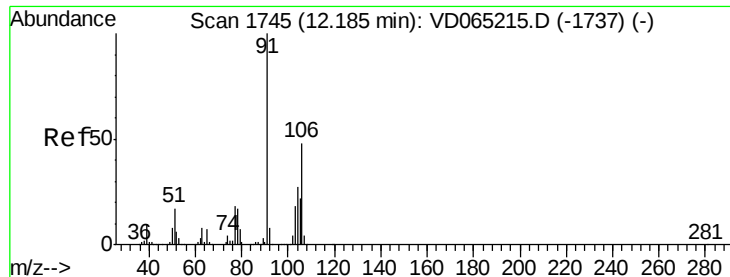
MMDadoda
2/25/2020 5:15:54 PM



#68
m/p-Xylenes
Concen: 101.204 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion: 106 Resp: 891494
Ion Ratio Lower Upper
106 100
91 196.9 158.2 237.4





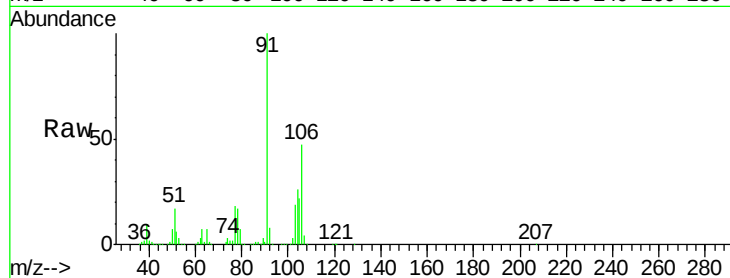
#69
o-Xylene
Concen: 52.432 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

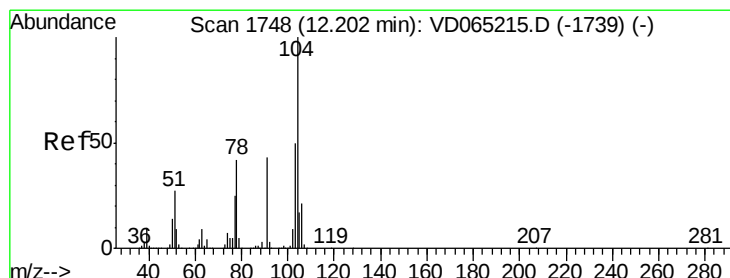
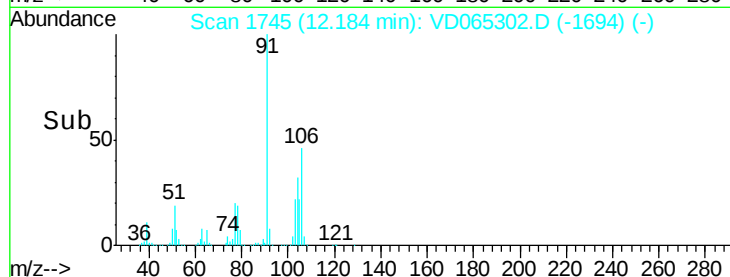
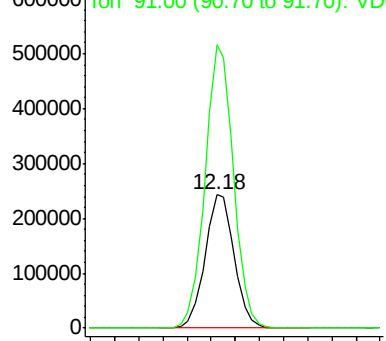
Tot Ion:106 Resp: 409188
Ion Ratio Lower Upper
106 100
91 206.8 104.7 313.9

Manual Integrations
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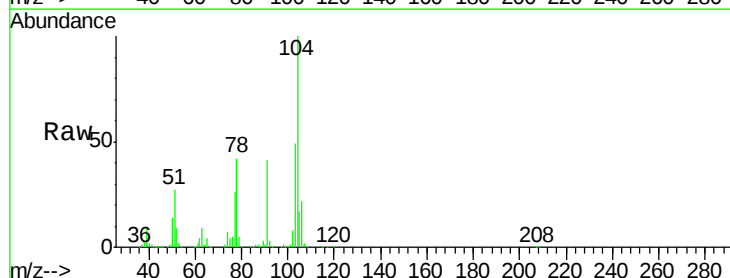


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

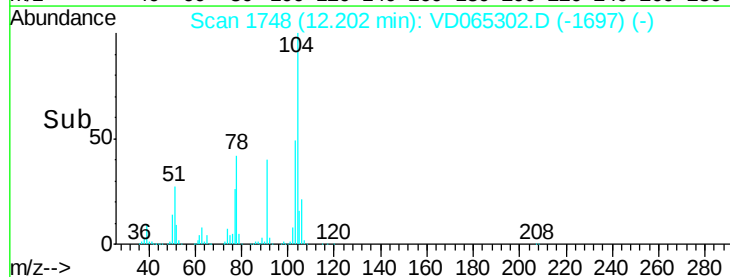
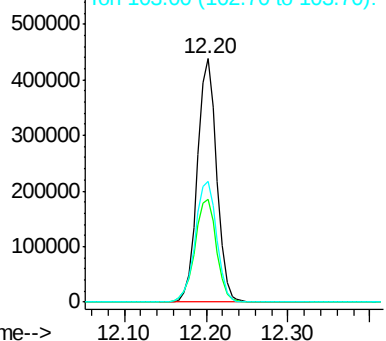


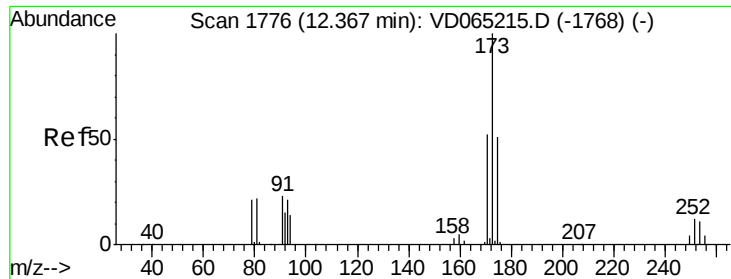
#70
Styrene
Concen: 51.824 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion:104 Resp: 718073
Ion Ratio Lower Upper
104 100
78 47.2 37.8 56.6
103 55.1 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





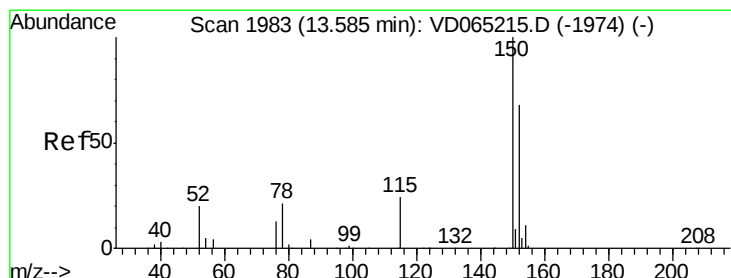
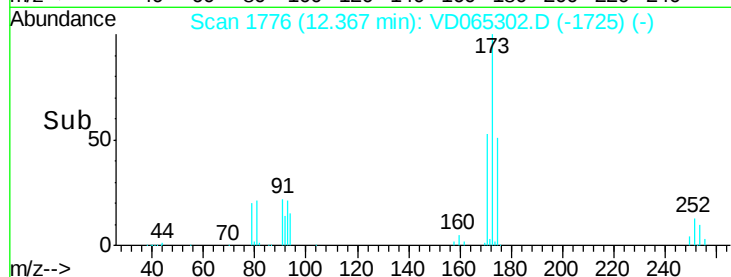
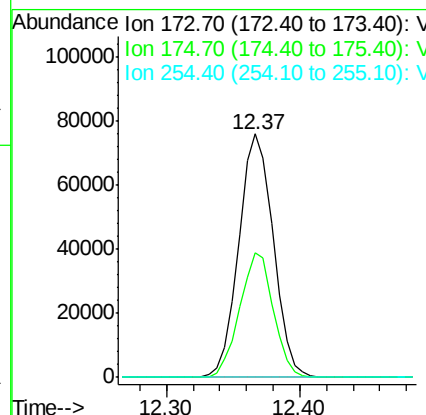
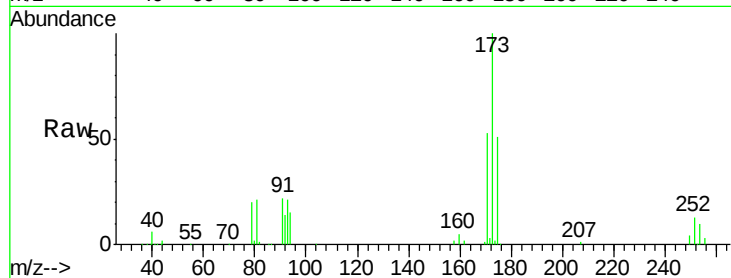
#71
Bromoform
Concen: 49.865 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.4	73.4
254	0.0	0.0	0.0

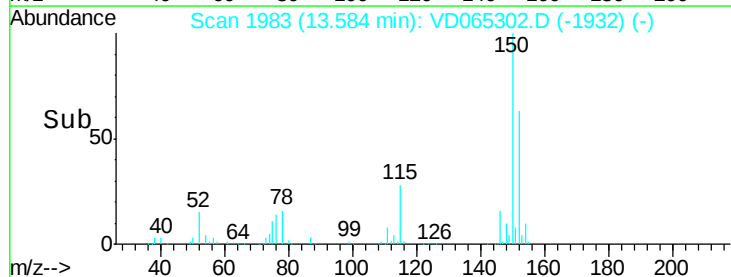
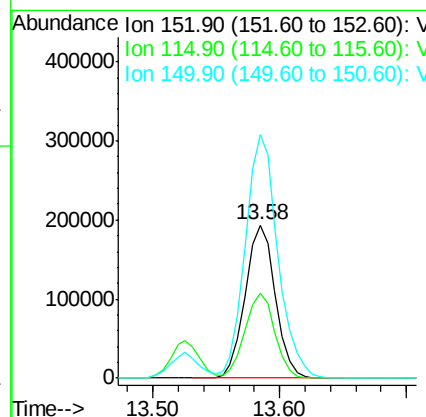
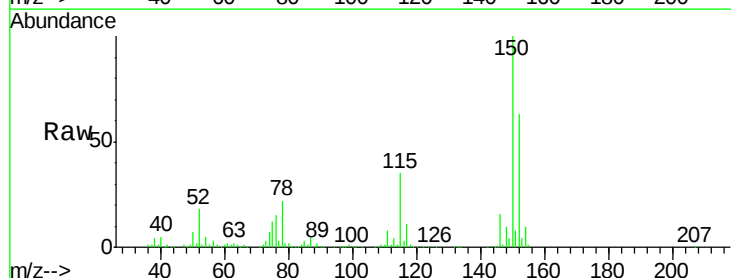
Manual Integrations
APPROVED

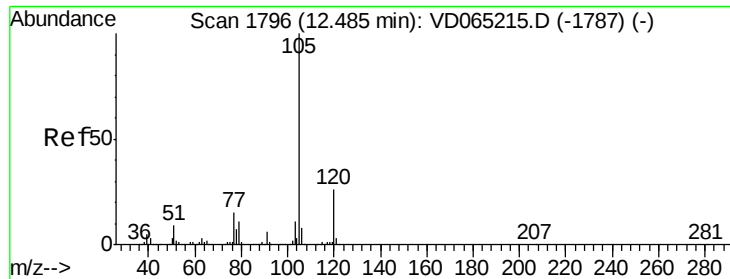
MMDadoda
2/25/2020 5:15:54 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.6	82.8
150	172.5	0.0	347.4





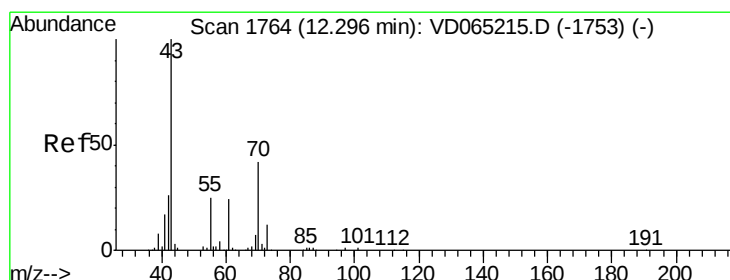
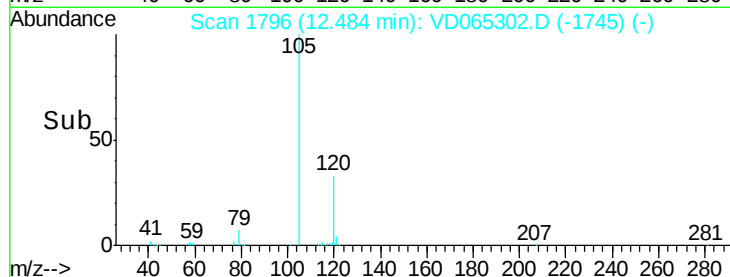
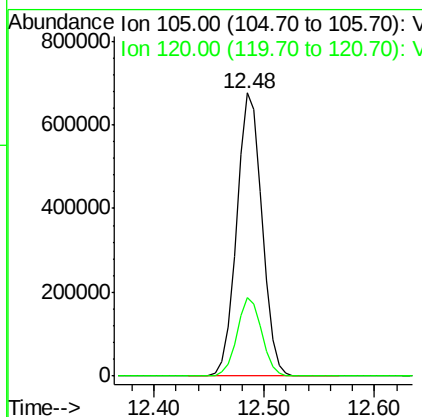
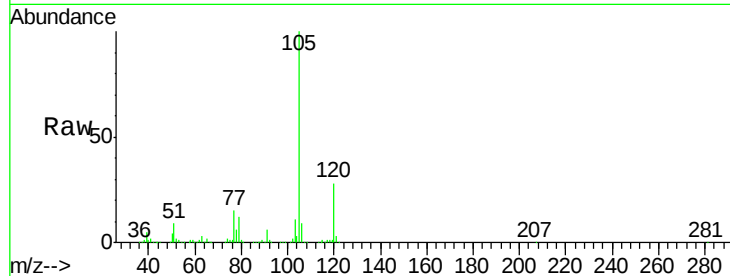
#73
Isopropylbenzene
Concen: 51.768 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 1087628
Ion Ratio Lower Upper
105 100
120 27.2 13.3 39.9

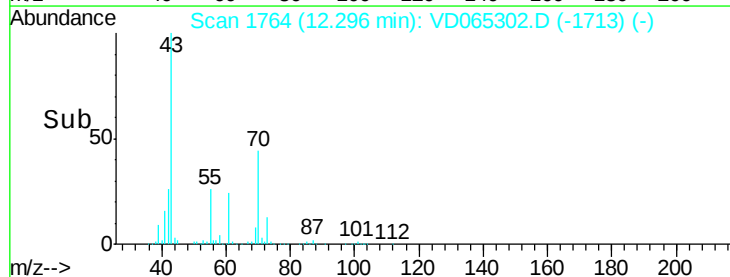
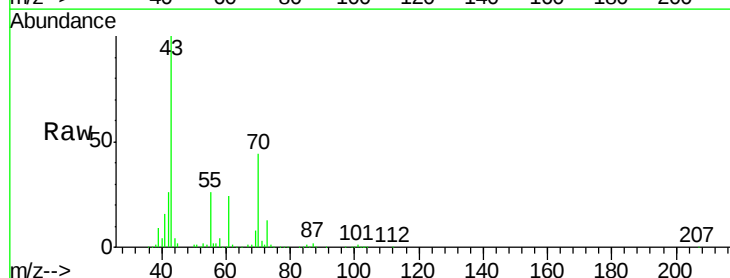
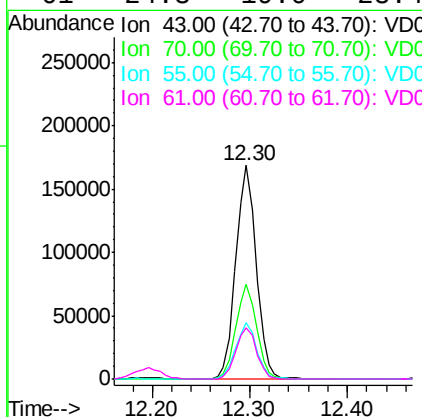
Manual Integrations
APPROVED

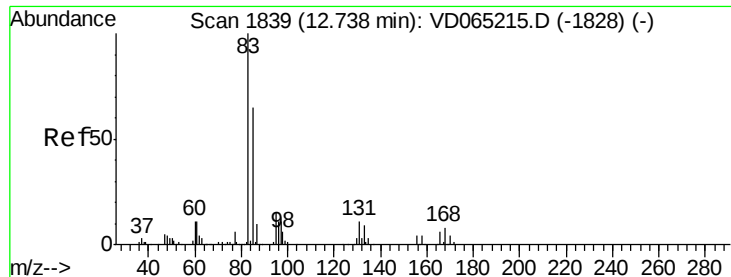
MMDadoda
2/25/2020 5:15:54 PM



#74
N-ethyl acetate
Concen: 52.971 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion: 43 Resp: 247294
Ion Ratio Lower Upper
43 100
70 44.6 33.7 50.5
55 27.0 20.7 31.1
61 24.3 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.918 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

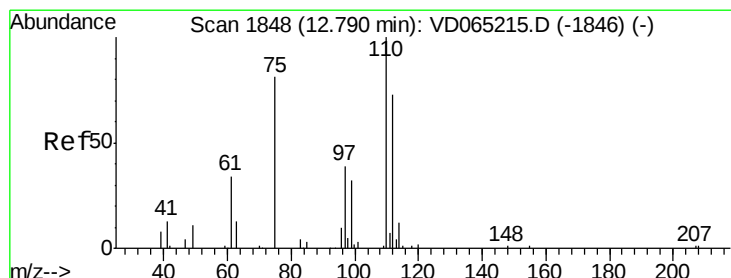
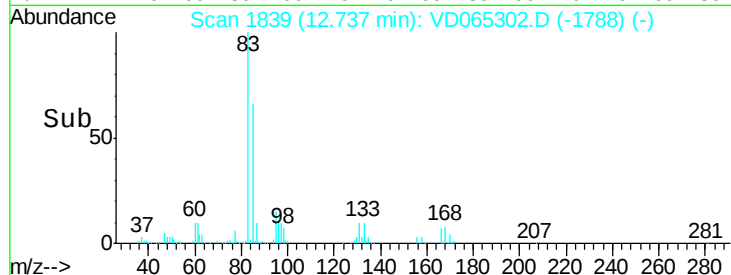
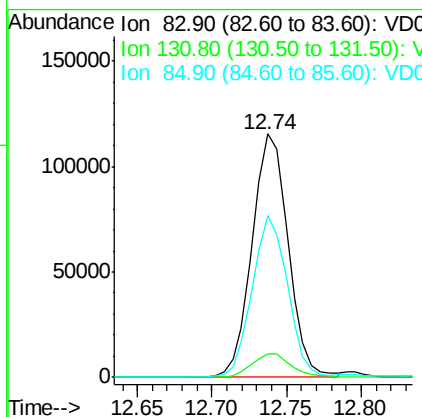
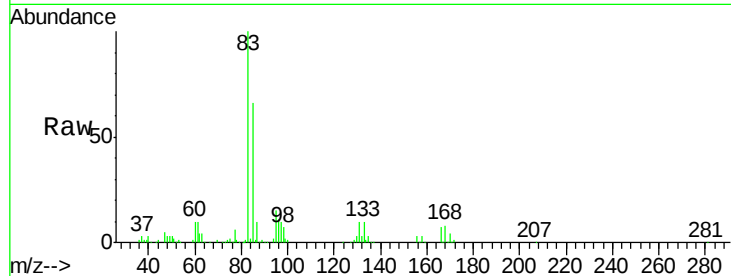
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	193070
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	65.1	31.6	94.8

Manual Integrations
APPROVED

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2/25/2020 5:15:54 PM



#76

1,2,3-Trichloropropane

Concen: 48.316 ug/l m

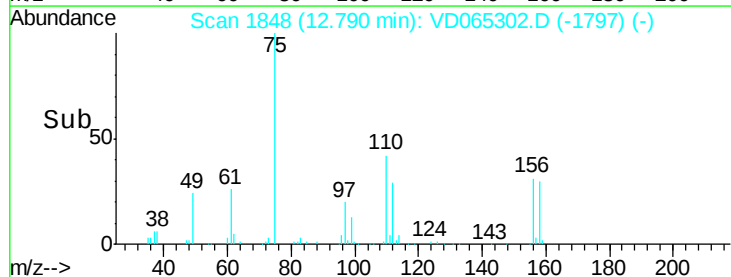
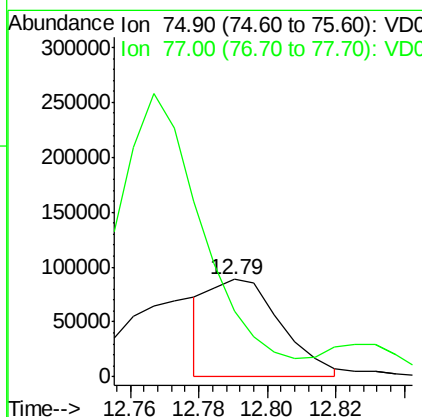
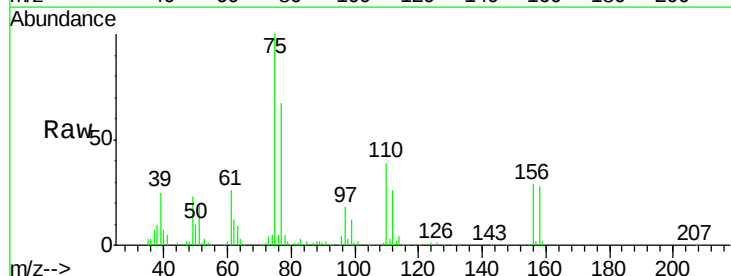
RT: 12.79 min Scan# 1848

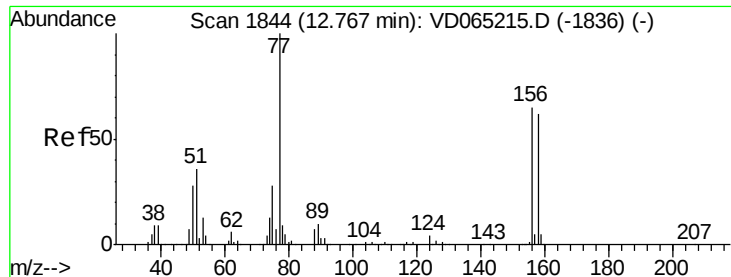
Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Tgt Ion:	75	Resp:	130455
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.361 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

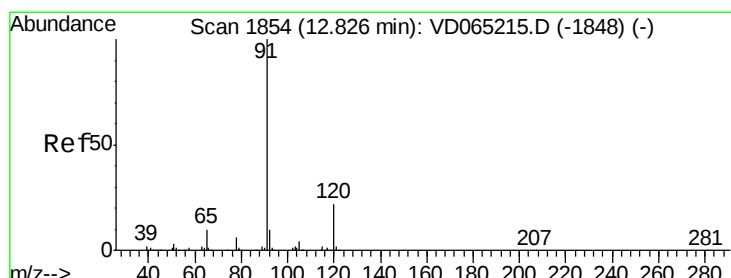
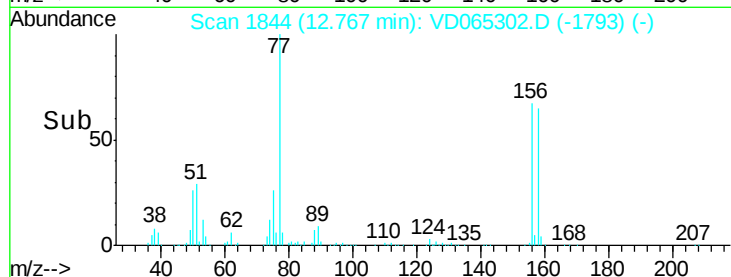
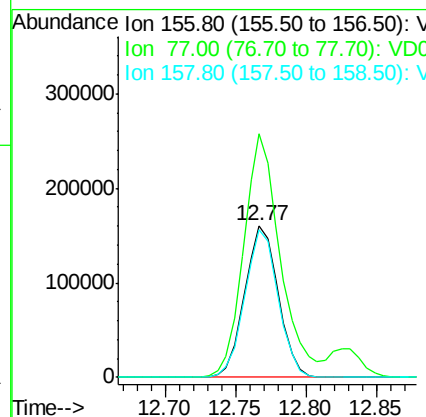
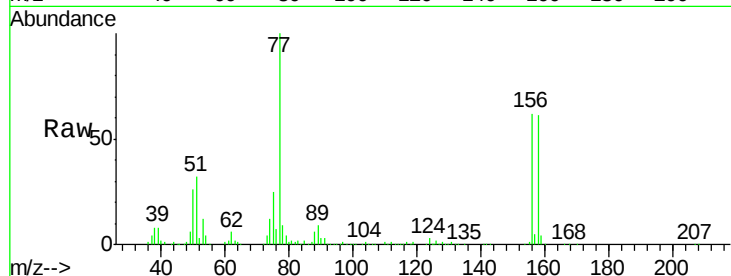
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	267956
Ion Ratio	Lower	Upper	
156	100		
77	172.9	86.6	259.7
158	96.6	48.1	144.3

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#78

n-propylbenzene

Concen: 50.977 ug/l

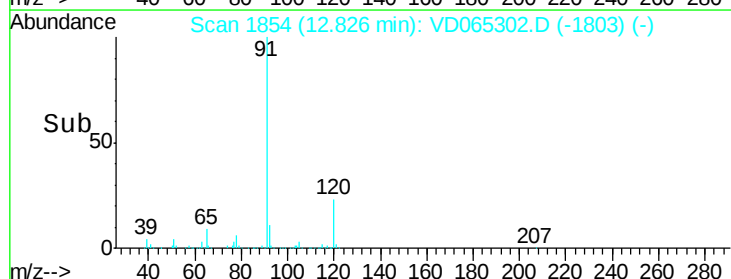
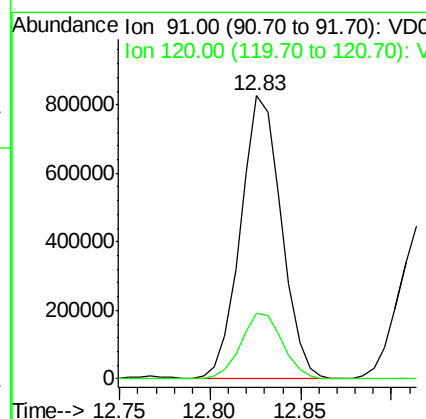
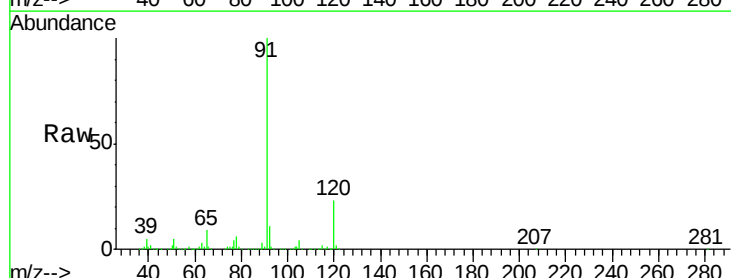
RT: 12.83 min Scan# 1854

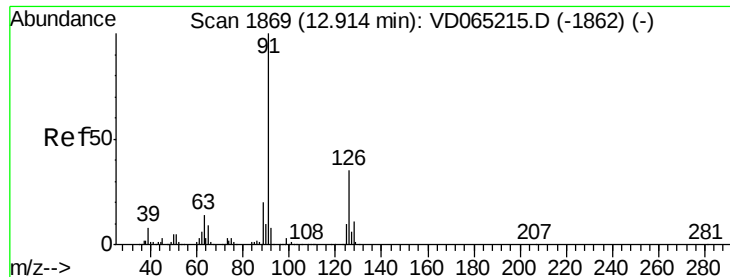
Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Tgt Ion:	91	Resp:	1287049
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.5	34.5





#79

2-Chlorotoluene

Concen: 50.971 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 720937

Ion Ratio Lower Upper

91 100

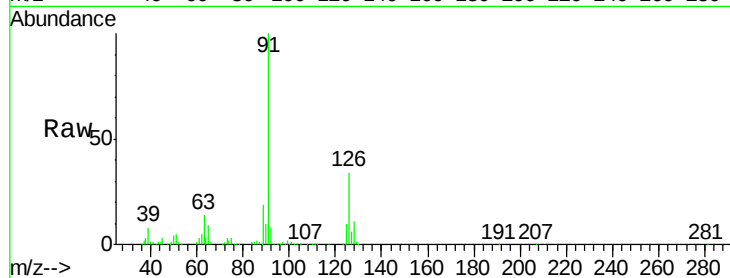
126 34.7 17.5 52.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065215.D (-1862) (-)

12.91

400000

300000

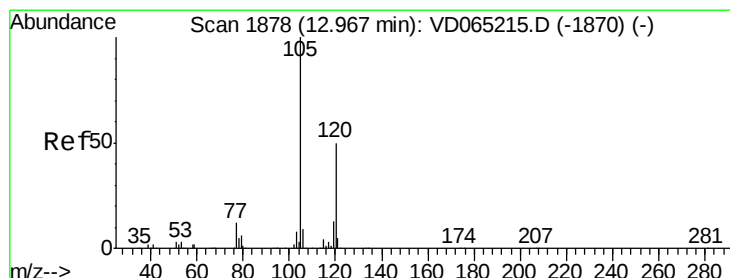
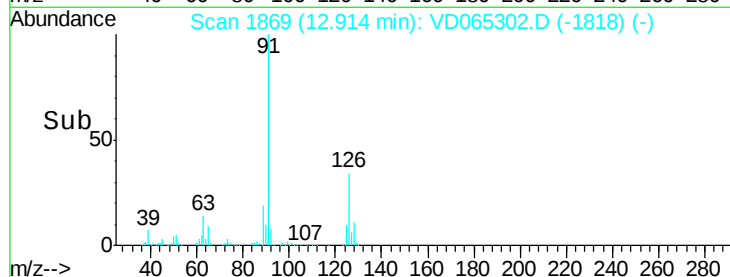
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.361 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065302.D

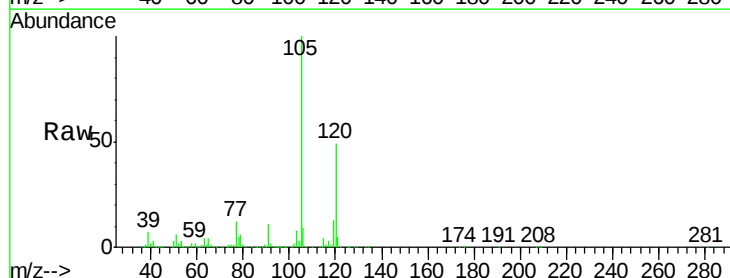
Acq: 24 Feb 2020 18:46

Tgt Ion: 105 Resp: 906061

Ion Ratio Lower Upper

105 100

120 49.6 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065215.D (-1870) (-)

12.97

600000

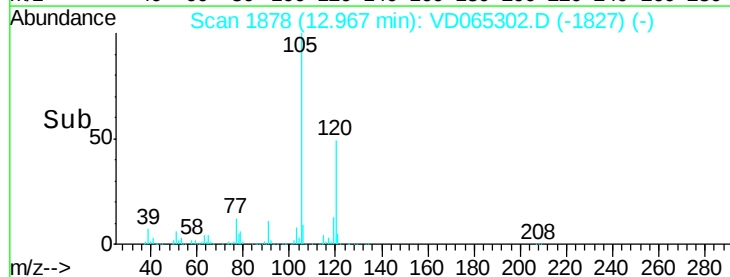
400000

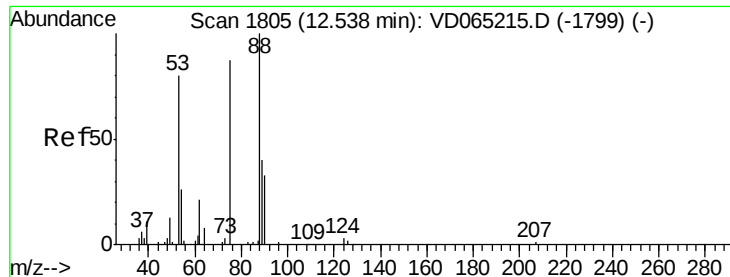
200000

0

12.90 13.00 13.10

Time-->





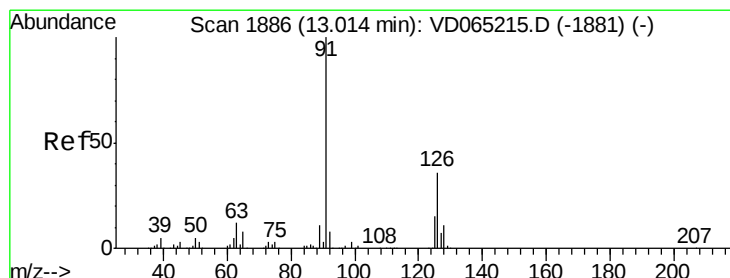
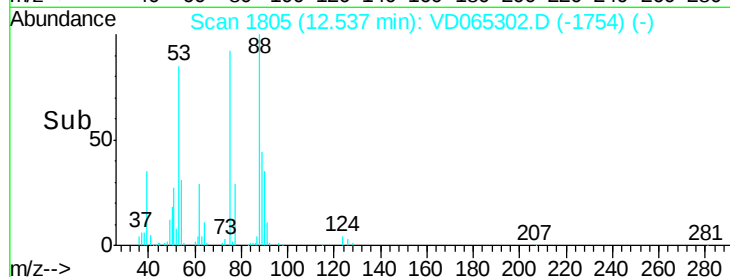
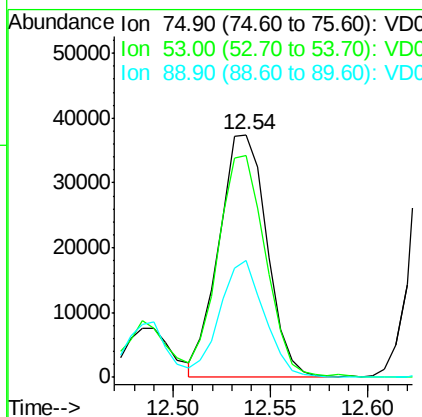
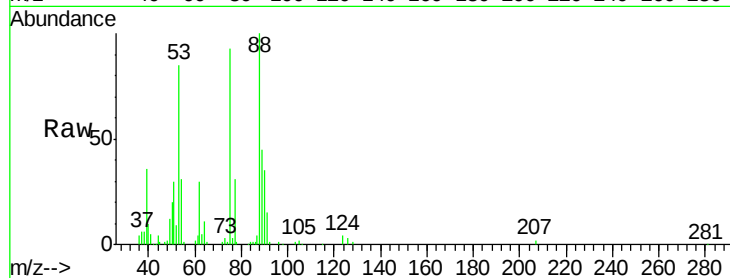
#81
trans-1,4-Dichloro-2-butene
Concen: 50.540 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.0	77.6	116.4
89	45.5	37.2	55.8

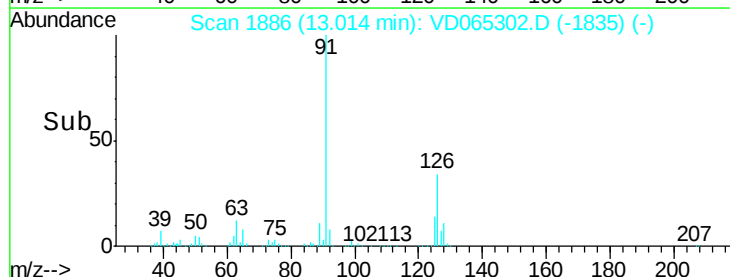
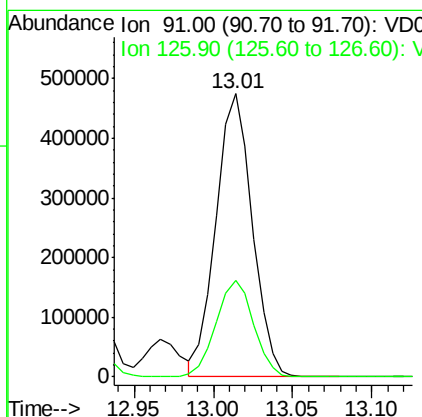
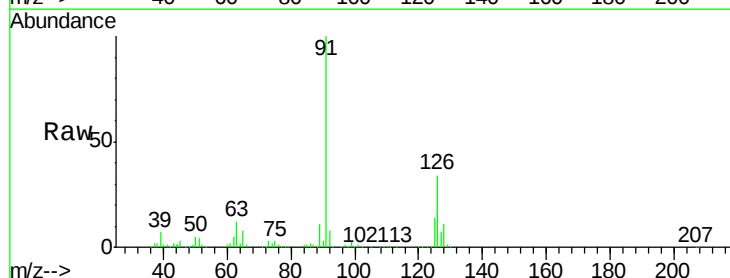
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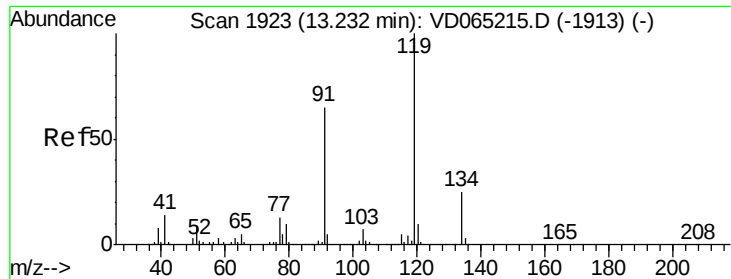
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.363 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.4	52.3





#83

tert-Butylbenzene

Concen: 51.673 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Instrument :

MSVOA_D

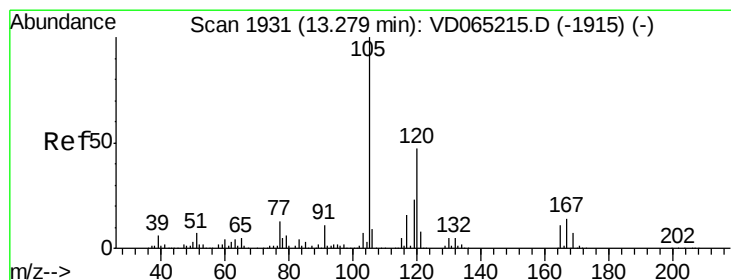
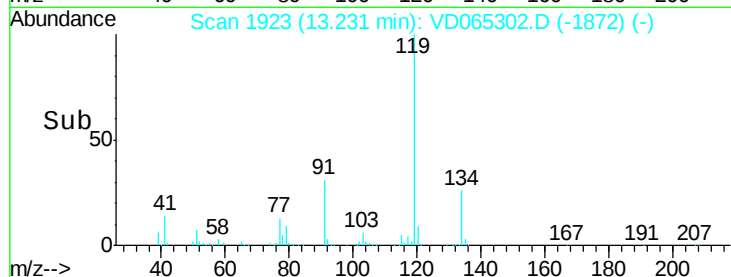
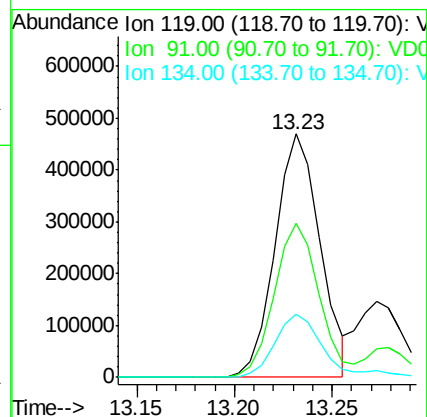
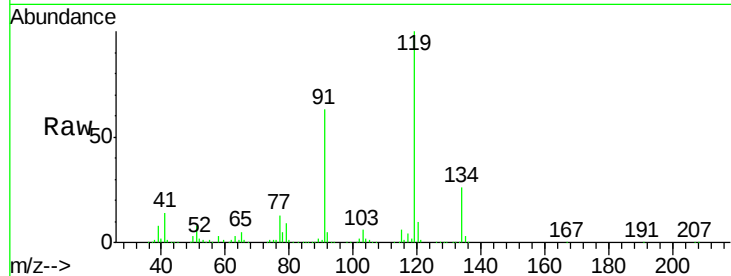
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	749416
Ion Ratio	Lower	Upper	
119	100		
91	63.2	31.9	95.5
134	27.9	13.8	41.3

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#84

1,2,4-Trimethylbenzene

Concen: 51.579 ug/l

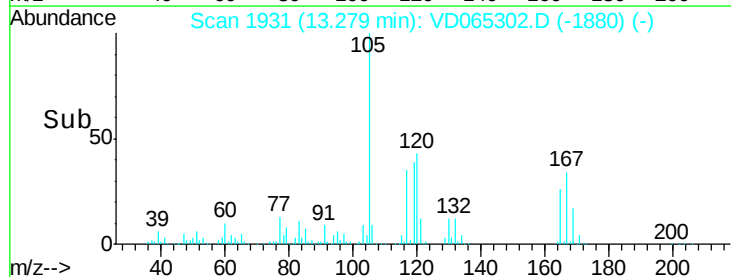
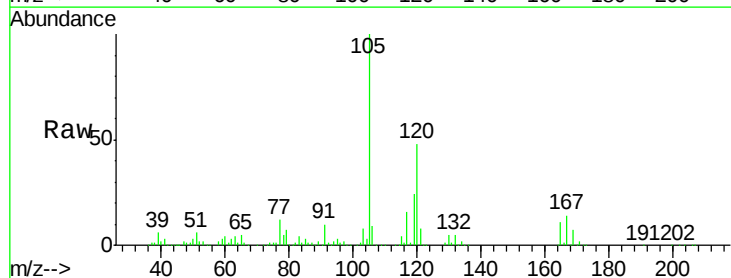
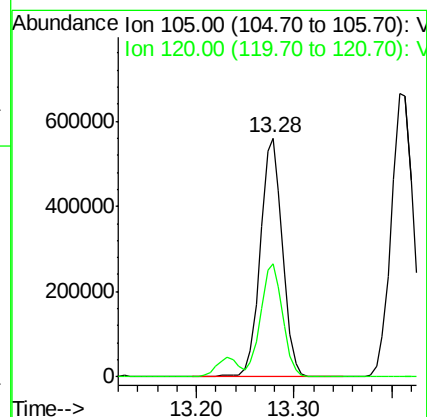
RT: 13.28 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VD065302.D

Acq: 24 Feb 2020 18:46

Tgt Ion:	105	Resp:	893356
Ion Ratio	Lower	Upper	
105	100		
120	47.0	23.3	69.9





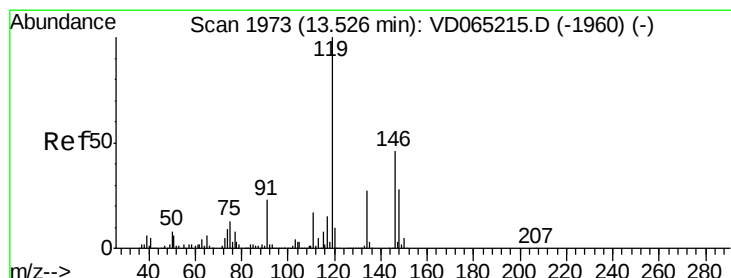
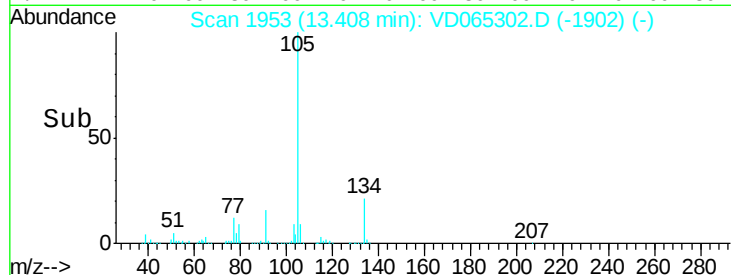
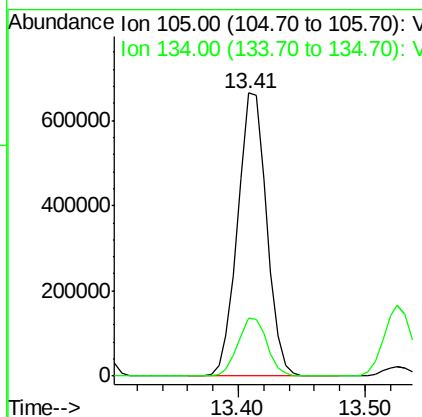
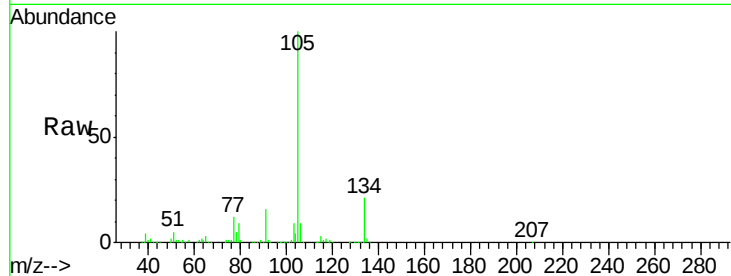
#85
 sec-Butylbenzene
 Concen: 50.405 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

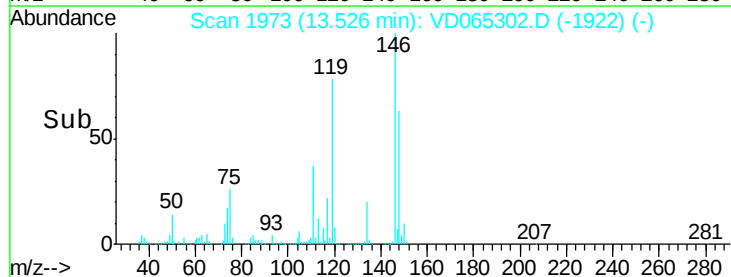
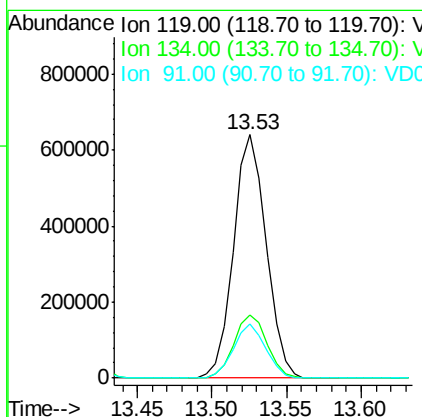
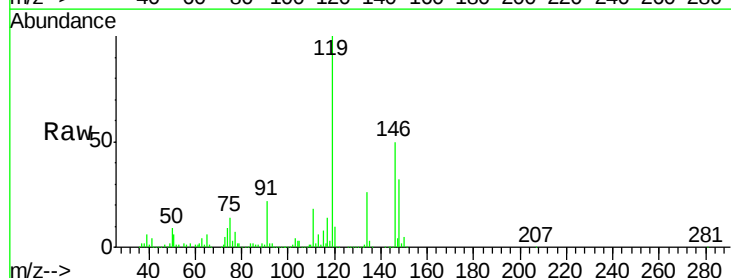
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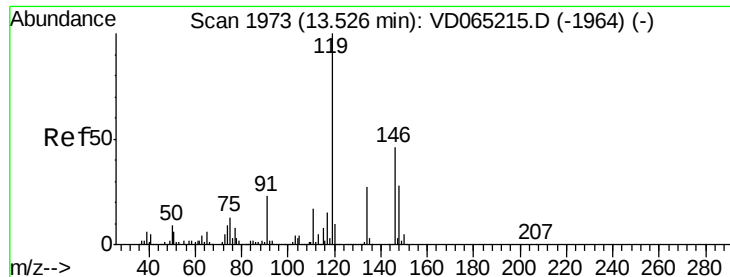
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#86
 p-Isopropyltoluene
 Concen: 50.995 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.3	39.8
91	21.9	11.1	33.1





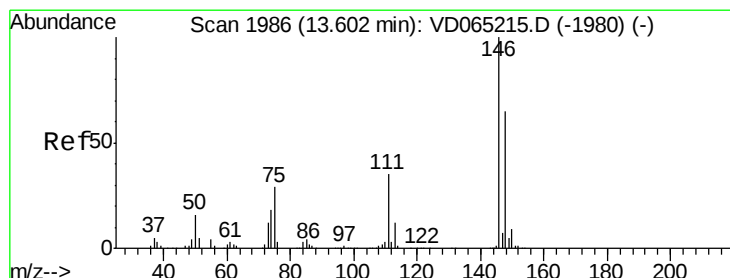
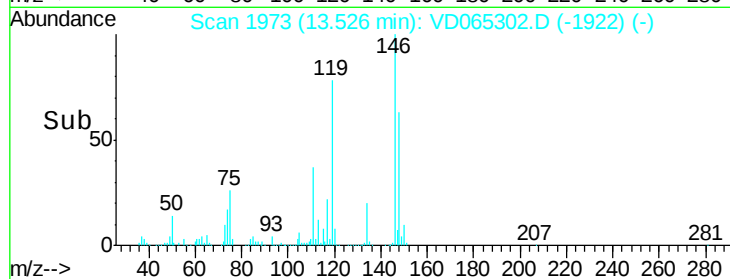
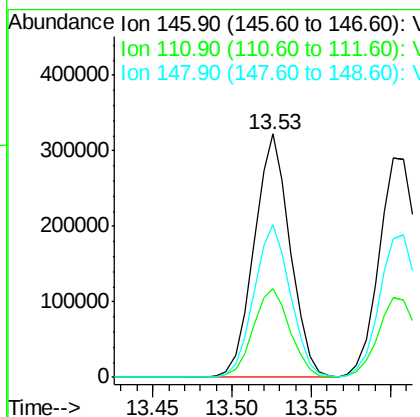
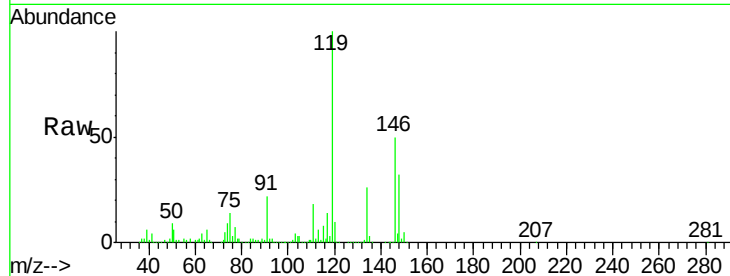
#87
 1,3-Dichlorobenzene
 Concen: 50.319 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	55.8
148	63.6	31.4	94.3

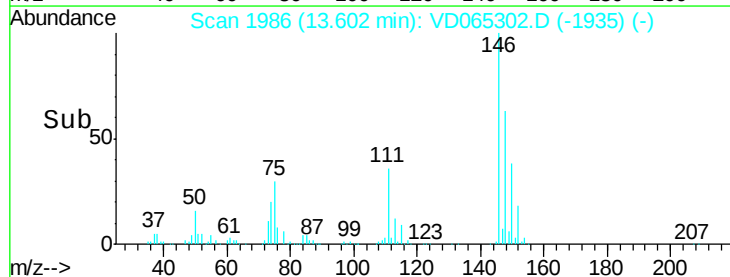
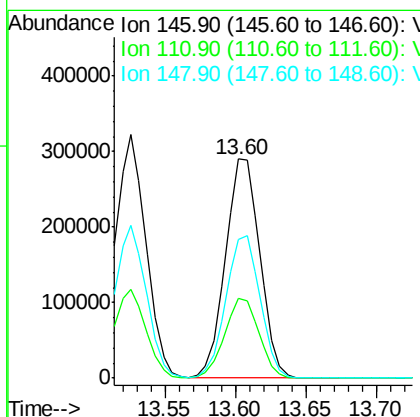
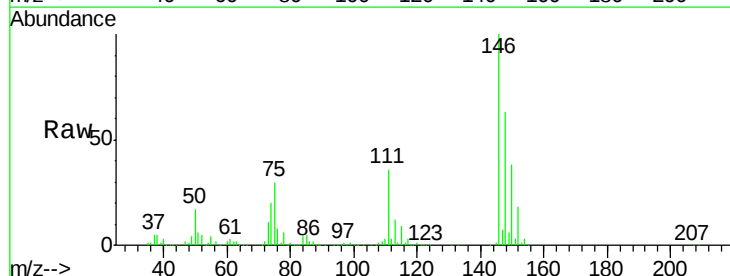
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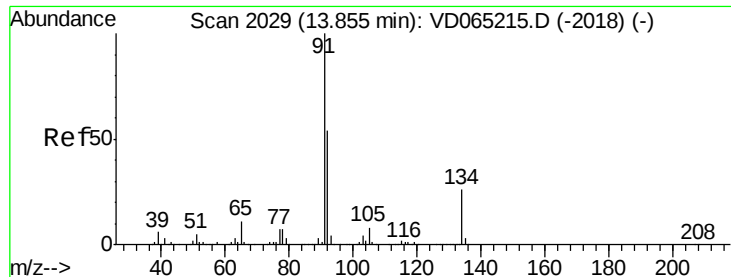
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#88
 1,4-Dichlorobenzene
 Concen: 49.524 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.2
148	64.7	32.1	96.5





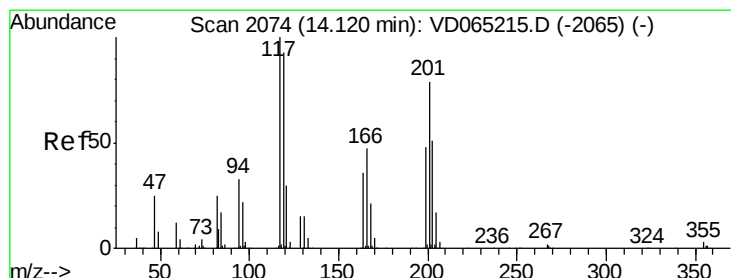
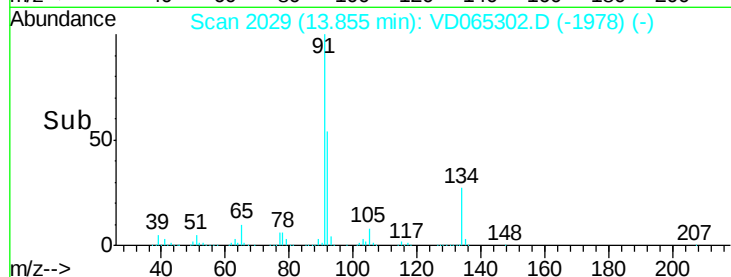
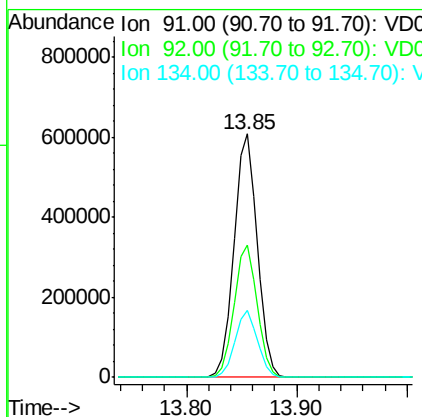
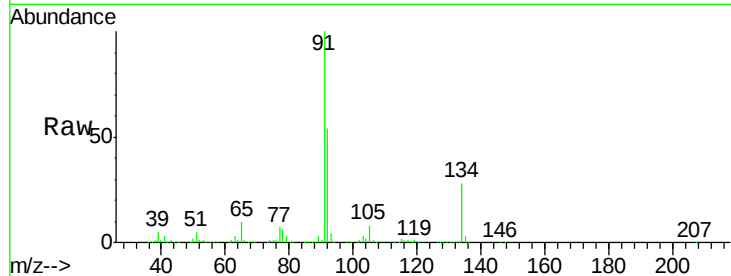
#89
n-Butylbenzene
Concen: 51.088 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.0	80.8
134	26.7	13.5	40.4

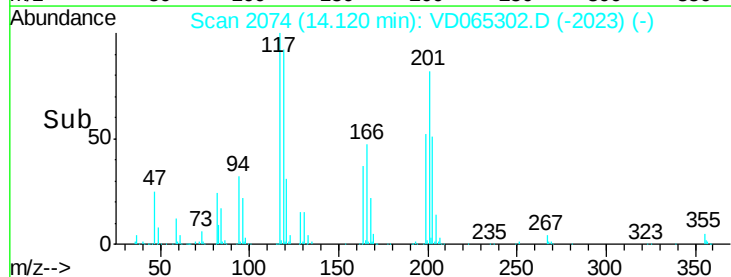
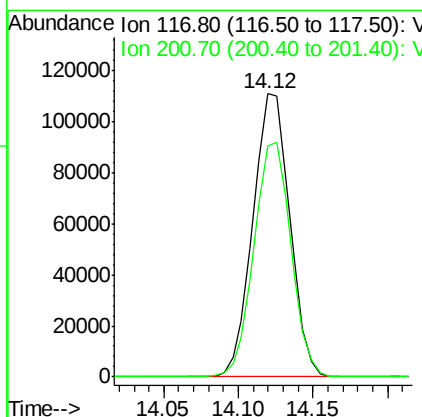
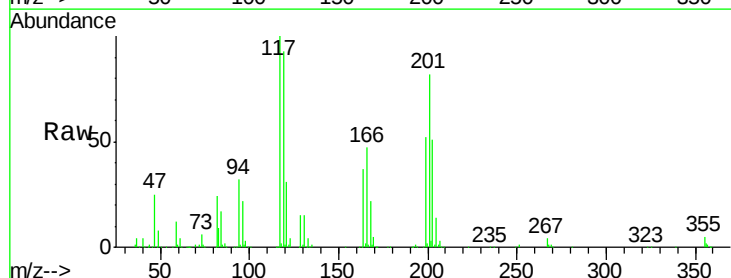
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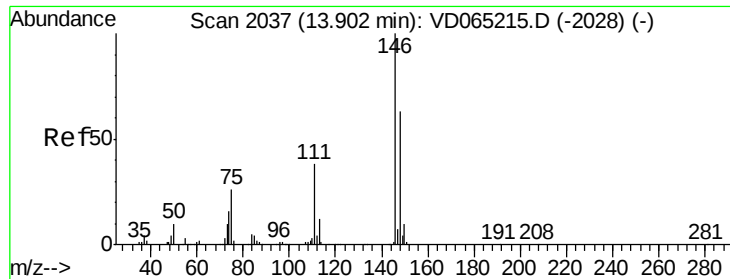
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#90
Hexachloroethane
Concen: 48.991 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	41.3	124.1





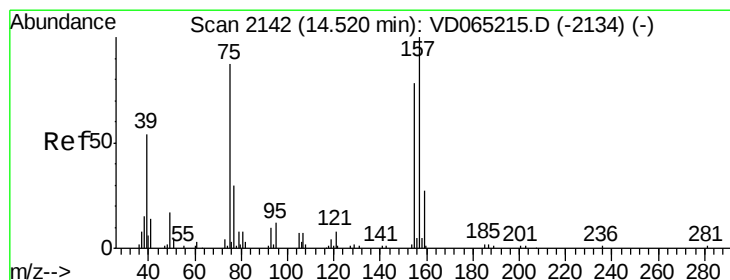
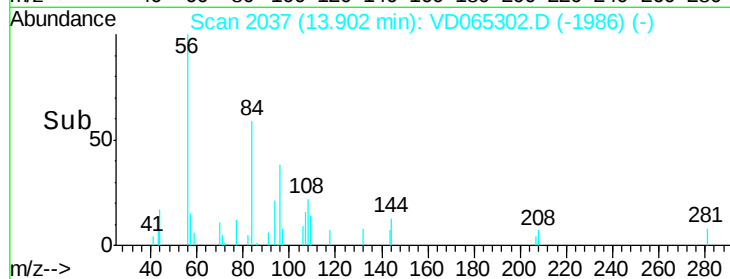
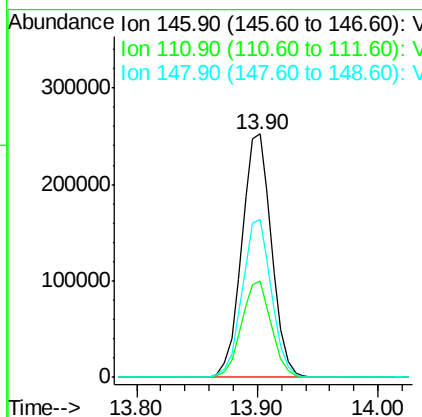
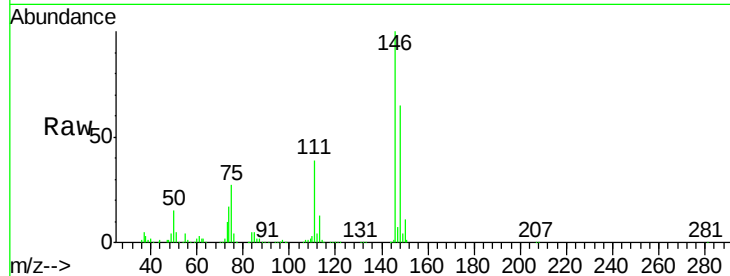
#91
 1,2-Dichlorobenzene
 Concen: 49.842 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	64.1	32.0	96.2

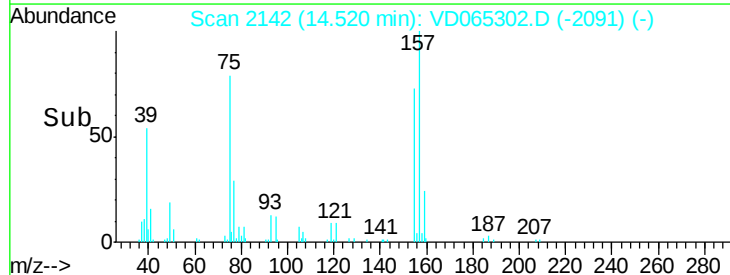
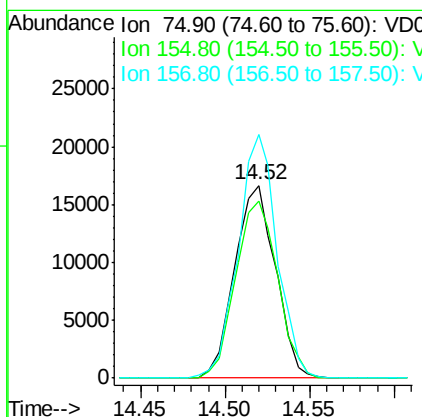
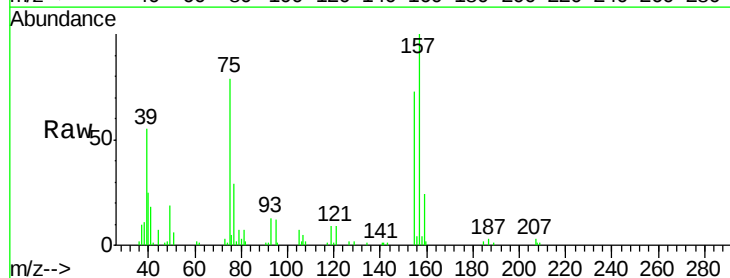
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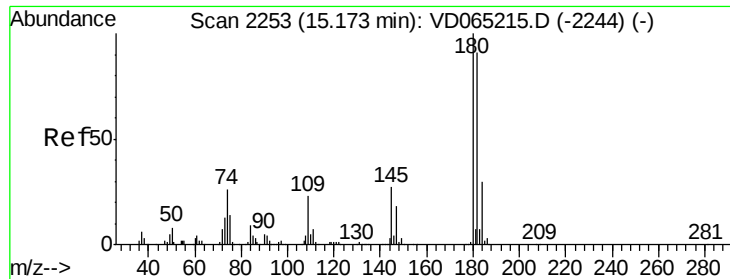
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.846 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	42.3	126.9
157	121.2	56.7	170.1





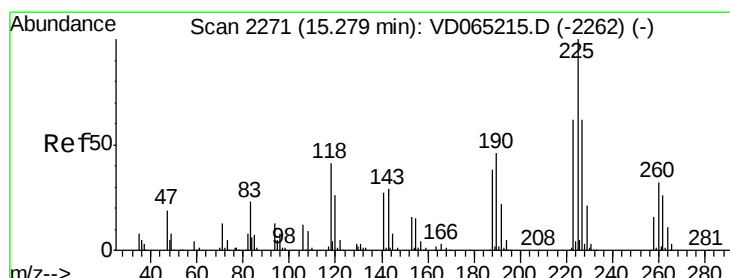
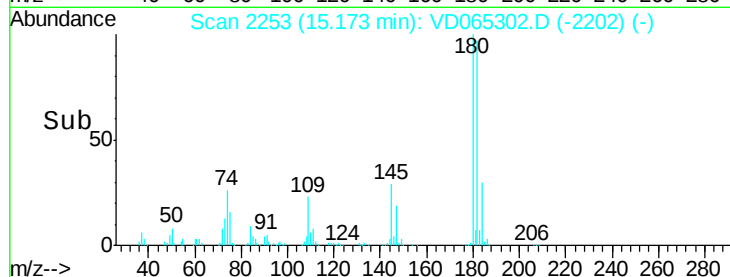
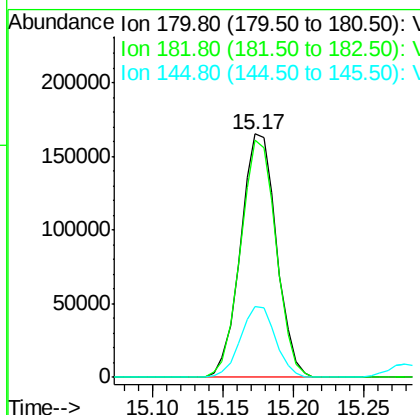
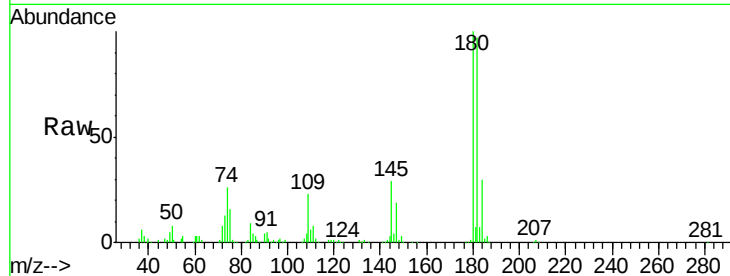
#93
 1,2,4-Trichlorobenzene
 Concen: 51.863 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	293782		
182	96.4	46.9	140.6	
145	28.5	13.9	41.7	

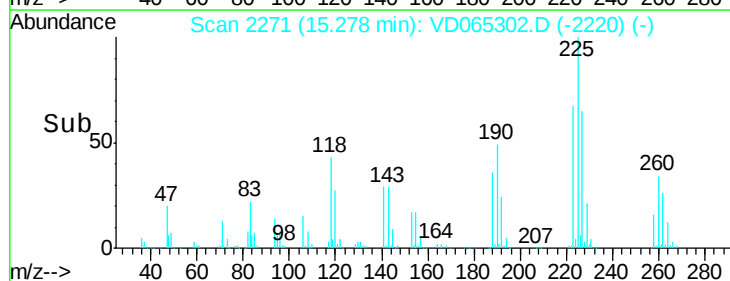
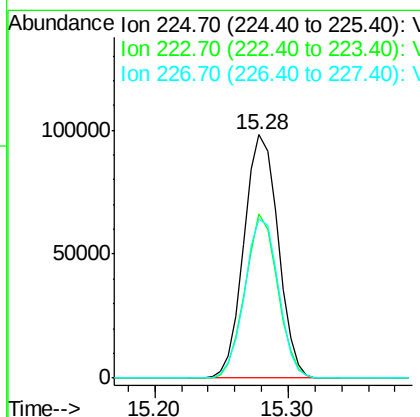
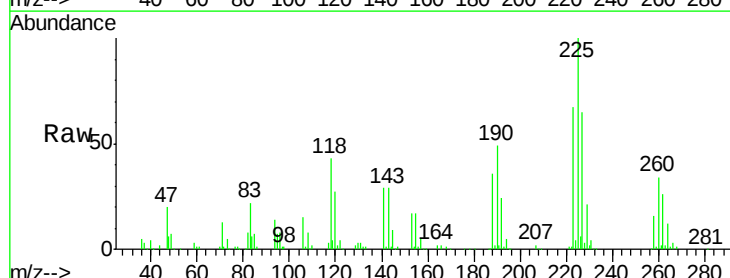
Manual Integrations
 APPROVED

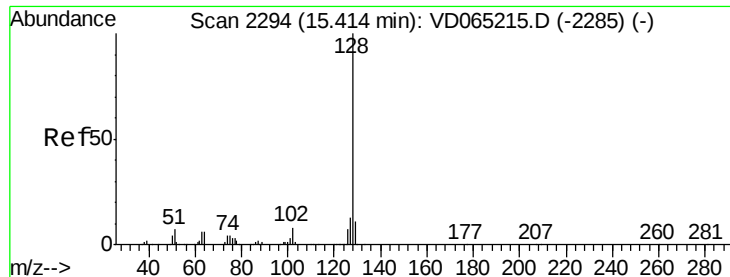
MMDadoda
 2/25/2020 5:15:54 PM



#94
 Hexachlorobutadiene
 Concen: 47.836 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065302.D
 Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	173825		
223	64.1	31.4	94.2	
227	64.4	31.7	95.1	





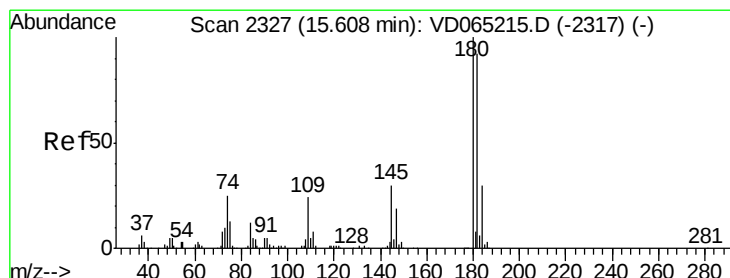
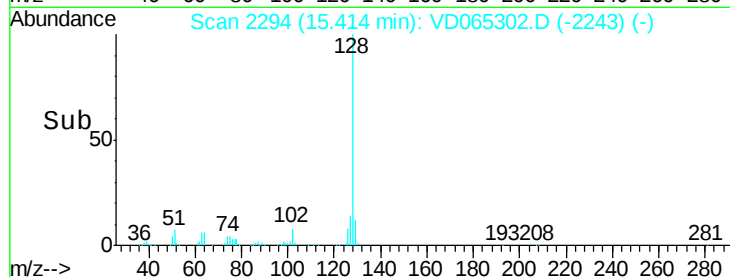
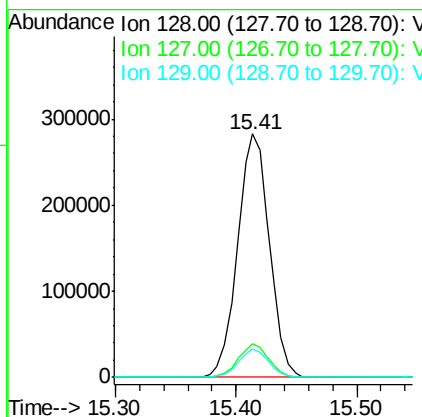
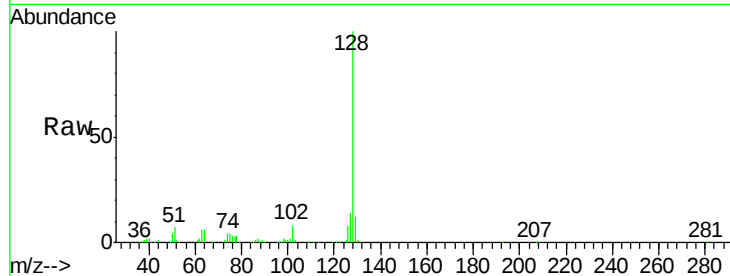
#95
Naphthalene
Concen: 56.124 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/25/2020 5:15:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.099 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065302.D
Acq: 24 Feb 2020 18:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.9	140.6
145	30.8	15.4	46.1

