

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065635.D
 Acq On : 15 Apr 2020 15:04
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 3:13:34 PM

Quant Time: Apr 15 19:03:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 18:47:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	247493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	348300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	329712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	171128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	41557	17.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.68%	
35) Dibromofluoromethane	7.92	113	42630	17.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.66%	
50) Toluene-d8	10.34	98	160113	18.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.80%	
62) 4-Bromofluorobenzene	12.64	95	52235	18.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	38546	17.464	ug/l	98
3) Chloromethane	2.21	50	44355	16.464	ug/l	100
4) Vinyl Chloride	2.35	62	48707	19.092	ug/l	97
5) Bromomethane	2.75	94	25061	14.379	ug/l	95
6) Chloroethane	2.91	64	29592	18.840	ug/l	99
7) Trichlorofluoromethane	3.27	101	69560	18.073	ug/l	94
8) Diethyl Ether	3.70	74	14090	17.819	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	31241	13.154	ug/l	100
10) Methyl Iodide	4.29	142	35481	15.214	ug/l	100
11) Tert butyl alcohol	5.24	59	11638	103.797	ug/l	97
12) 1,1-Dichloroethene	4.06	96	27826	12.745	ug/l	93
13) Acrolein	3.92	56	7995	51.241	ug/l	100
14) Allyl chloride	4.71	41	41001	12.648	ug/l	99
15) Acrylonitrile	5.43	53	43221	95.293	ug/l	99
16) Acetone	4.16	43	25710	63.673	ug/l	98
17) Carbon Disulfide	4.40	76	91644	12.623	ug/l	100
18) Methyl Acetate	4.72	43	15659	13.338	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	79631	18.520	ug/l	99
20) Methylene Chloride	4.96	84	32259	12.322	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	48743	19.640	ug/l	96
22) Diisopropyl ether	6.37	45	133520	19.771	ug/l	96
23) Vinyl Acetate	6.31	43	331992	92.169	ug/l	99
24) 1,1-Dichloroethane	6.26	63	82056	18.478	ug/l	98
25) 2-Butanone	7.22	43	51011	86.598	ug/l	95
26) 2,2-Dichloropropane	7.21	77	72079	18.223	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	50309	18.560	ug/l	98
28) Bromochloromethane	7.55	49	34078	18.886	ug/l	98
29) Tetrahydrofuran	7.57	42	33662	90.350	ug/l	98
30) Chloroform	7.71	83	85695	18.463	ug/l	100
31) Cyclohexane	7.98	56	77132	18.606	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	76609	18.351	ug/l	98
36) 1,1-Dichloropropene	8.11	75	67215	19.044	ug/l	99
37) Ethyl Acetate	7.30	43	26975	19.730	ug/l	97
38) Carbon Tetrachloride	8.10	117	72618	18.939	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	75474	18.891	ug/l	97
40) Benzene	8.36	78	191757	18.958	ug/l	99
41) Methacrylonitrile	7.53	41	14035	18.117	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	52794	18.456	ug/l	99
43) Isopropyl Acetate	8.46	43	45440	18.453	ug/l	99
44) Trichloroethene	9.11	130	54667	18.919	ug/l	95
45) 1,2-Dichloropropane	9.39	63	48195	19.418	ug/l	99
46) Dibromomethane	9.48	93	24212	18.099	ug/l	99
47) Bromodichloromethane	9.67	83	64843	18.574	ug/l	94
48) Methyl methacrylate	9.46	41	21564	18.364	ug/l	96
49) 1,4-Dioxane	9.47	88	5231	359.537	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	114453	89.491	ug/l	100
52) Toluene	10.41	92	120900	18.964	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	57453	18.344	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	71452	18.760	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	35262	18.661	ug/l	98
56) Ethyl methacrylate	10.67	69	35516	18.559	ug/l	99
57) 1,3-Dichloropropane	10.95	76	57647	18.424	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	89296	89.636	ug/l	98
59) 2-Hexanone	10.99	43	77786	91.100	ug/l	97
60) Dibromochloromethane	11.14	129	45675	18.310	ug/l	98
61) 1,2-Dibromoethane	11.25	107	32423	18.042	ug/l	99
64) Tetrachloroethene	10.88	164	47983	18.731	ug/l	96
65) Chlorobenzene	11.67	112	131586	18.808	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	50470	18.958	ug/l	99
67) Ethyl Benzene	11.75	91	225135	19.533	ug/l	98
68) m/p-Xylenes	11.86	106	174891	38.597	ug/l	99
69) o-Xylene	12.18	106	74214	18.937	ug/l	98
70) Styrene	12.20	104	136685	19.705	ug/l	99
71) Bromoform	12.37	173	27880	18.331	ug/l #	96
73) Isopropylbenzene	12.48	105	206332	19.376	ug/l	99
74) N-amyl acetate	12.30	43	40192	18.398	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	36094	18.009	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	29003m	20.590	ug/l	
77) Bromobenzene	12.77	156	54531	18.550	ug/l	99
78) n-propylbenzene	12.83	91	255213	19.824	ug/l	100
79) 2-Chlorotoluene	12.91	91	142915	19.336	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	177463	19.663	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	12131	20.185	ug/l	98
82) 4-Chlorotoluene	13.01	91	156485	19.601	ug/l	100
83) tert-Butylbenzene	13.23	119	143707	19.233	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	180478	20.175	ug/l	100
85) sec-Butylbenzene	13.41	105	211274	19.700	ug/l	99
86) p-Isopropyltoluene	13.53	119	193928	19.610	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	107976	18.965	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	107059	18.817	ug/l	97
89) n-Butylbenzene	13.85	91	176305	19.673	ug/l	99
90) Hexachloroethane	14.12	117	41804	19.310	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	93013	19.142	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5571	17.876	ug/l	92

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VSTDICC020

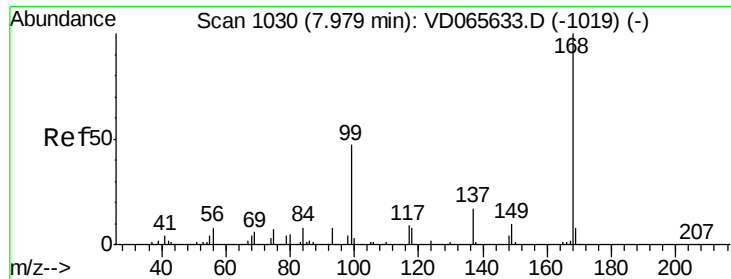
Manual Integrations
APPROVED

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4/16/2020 3:13:34 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	60417	18.812	ug/l	98
94) Hexachlorobutadiene	15.28	225	41914	18.824	ug/l	98
95) Naphthalene	15.41	128	83293	17.643	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	53890	19.159	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

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MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 247493

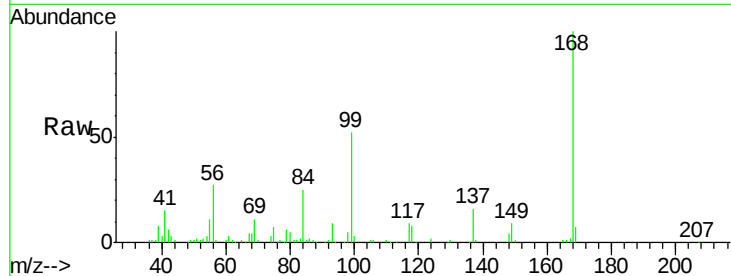
Ion Ratio Lower Upper

168 100

99 51.8 40.3 60.5

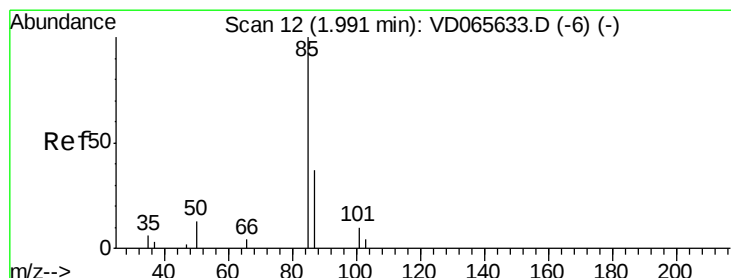
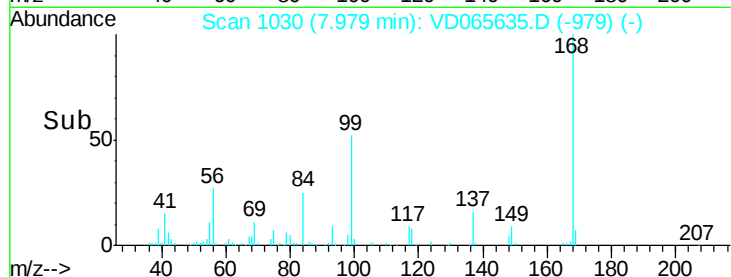
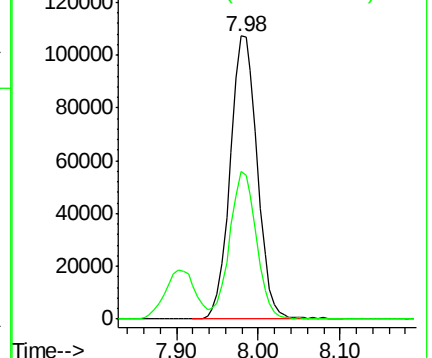
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 17.464 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065635.D

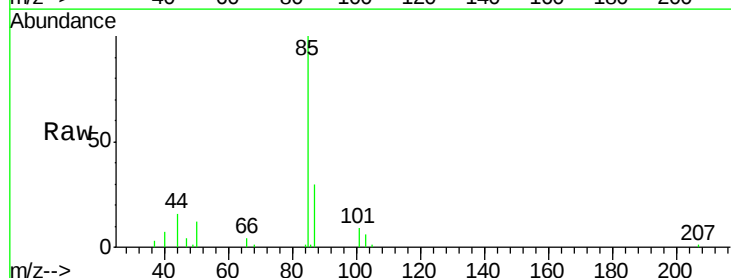
Acq: 15 Apr 2020 15:04

Tgt Ion: 85 Resp: 38546

Ion Ratio Lower Upper

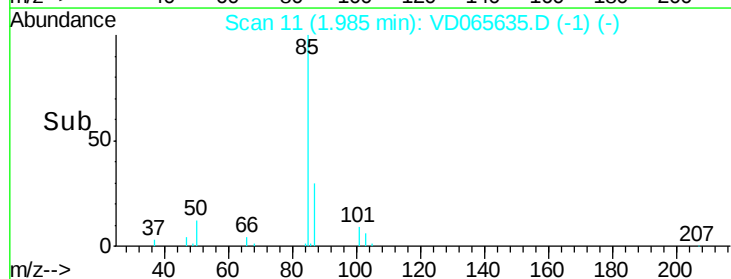
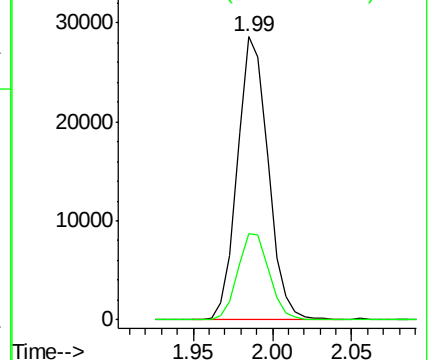
85 100

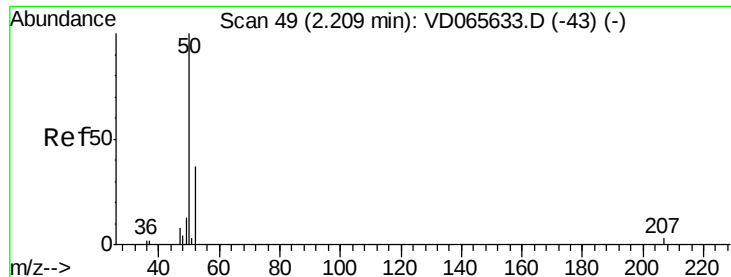
87 30.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.464 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Tot Ion: 50 Resp: 44355

Ion Ratio Lower Upper

50 100

52 32.3 25.7 38.5

Instrument :

MSVOA_D

ClientSampleId :

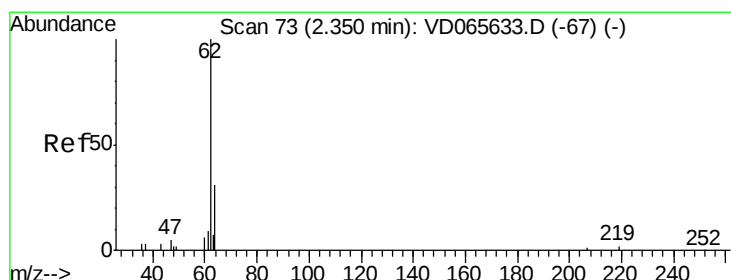
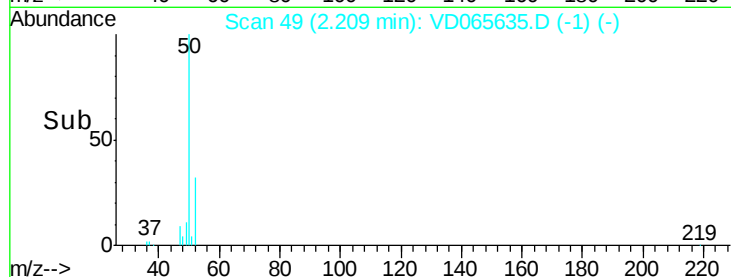
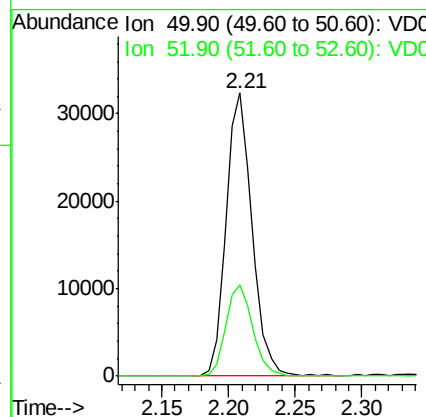
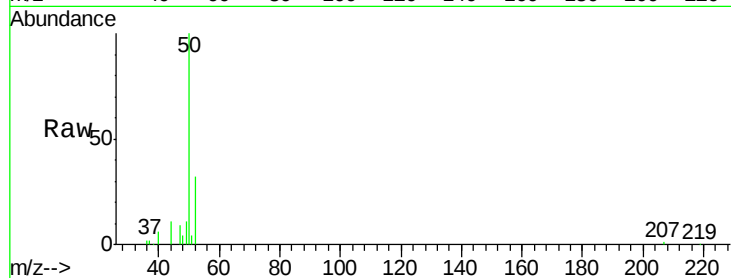
VSTDIC020

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.092 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065635.D

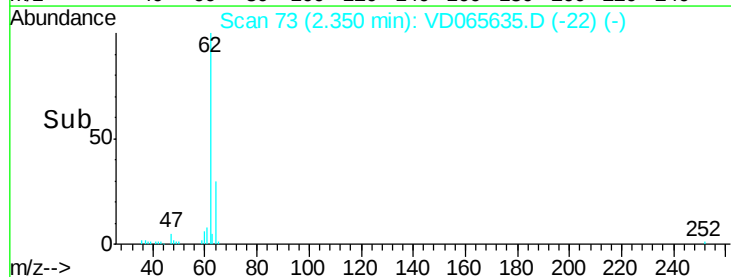
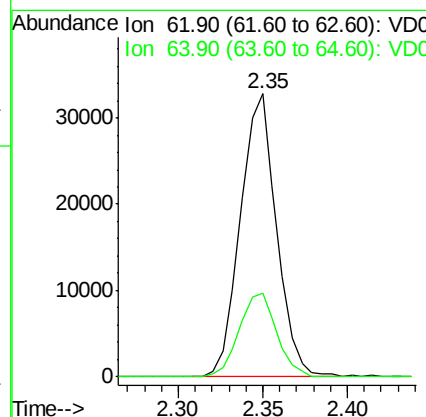
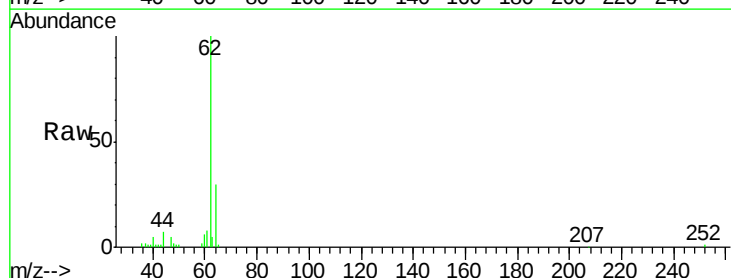
Acq: 15 Apr 2020 15:04

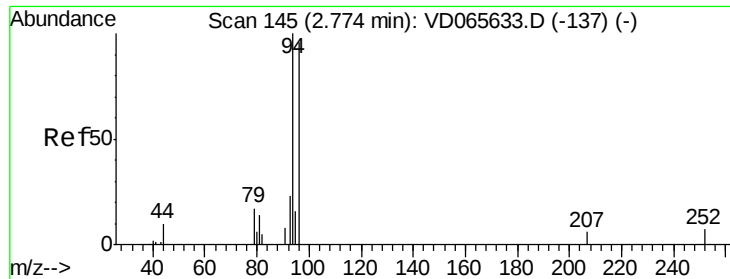
Tgt Ion: 62 Resp: 48707

Ion Ratio Lower Upper

62 100

64 29.6 25.1 37.7





#5

Bromomethane

Concen: 14.379 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 25061

Ion Ratio Lower Upper

94 100

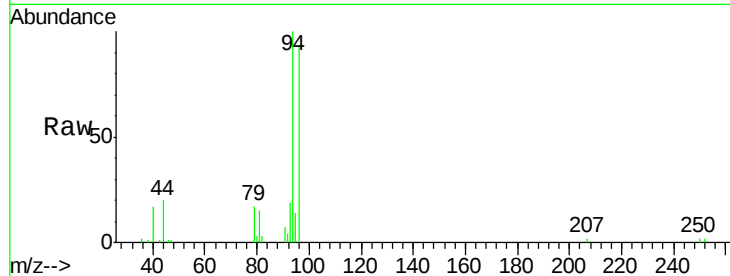
96 92.7 77.9 116.9

Manual Integrations

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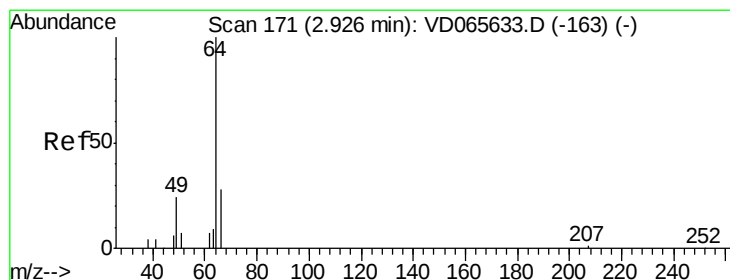
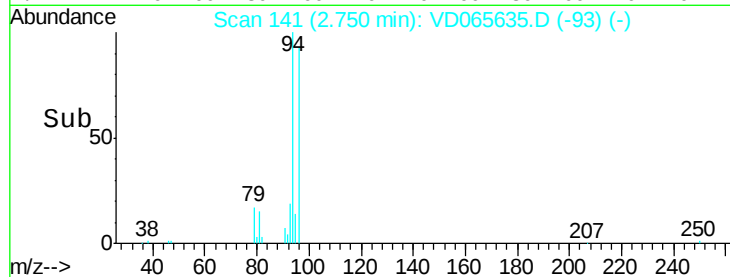
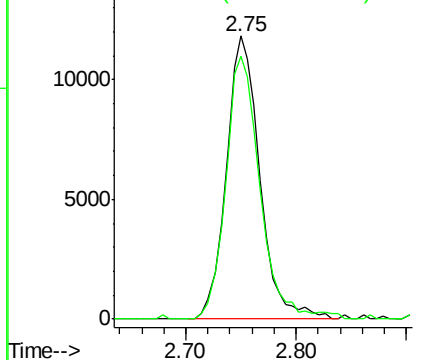
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.840 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065635.D

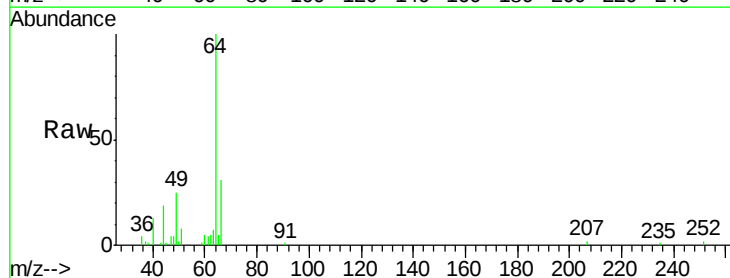
Acq: 15 Apr 2020 15:04

Tgt Ion: 64 Resp: 29592

Ion Ratio Lower Upper

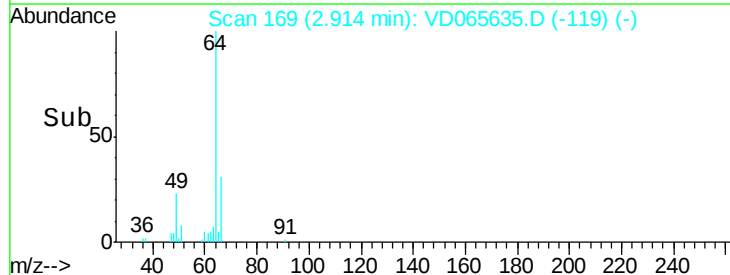
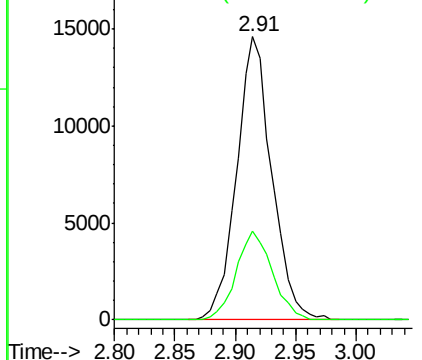
64 100

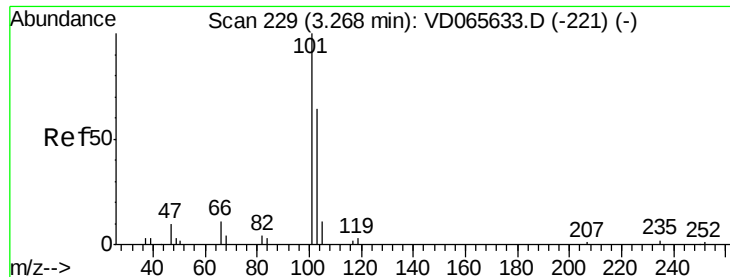
66 31.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

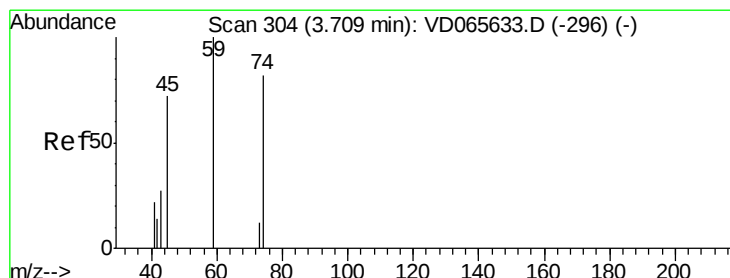
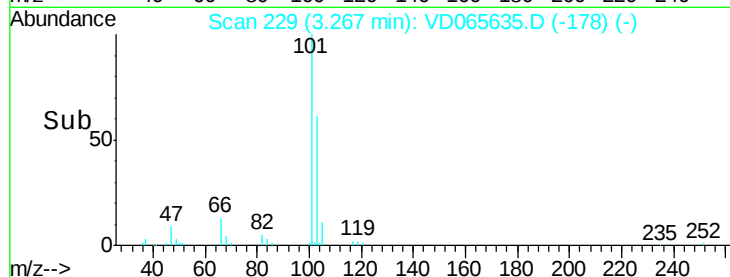
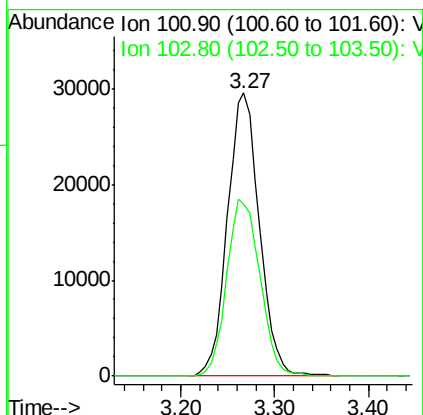
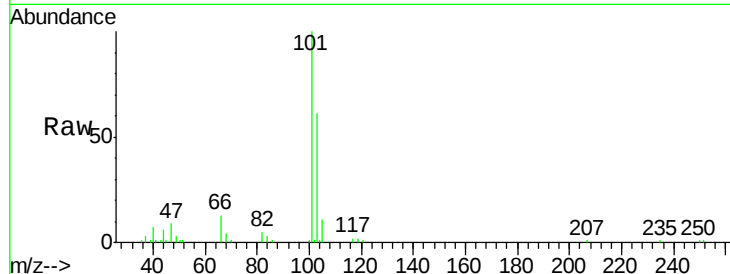
Trichlorofluoromethane
Concen: 18.073 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.6	52.2	78.4

Manual Integrations
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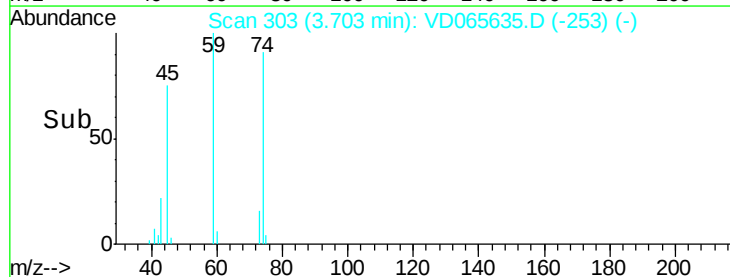
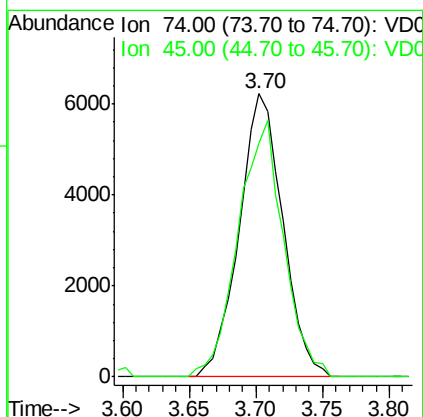
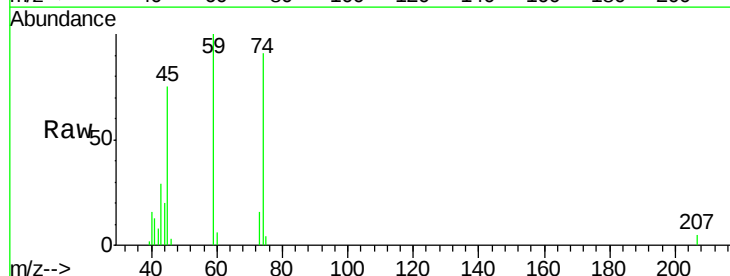
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4/16/2020 3:13:34 PM

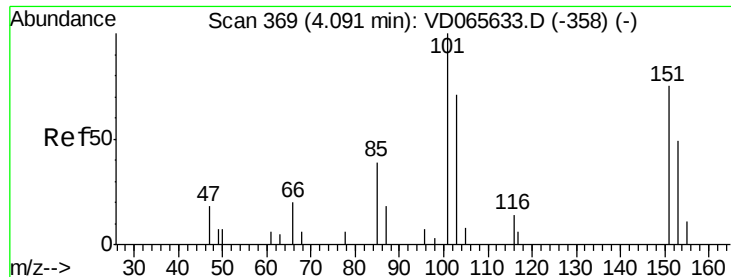


#8

Diethyl Ether
Concen: 17.819 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.154 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

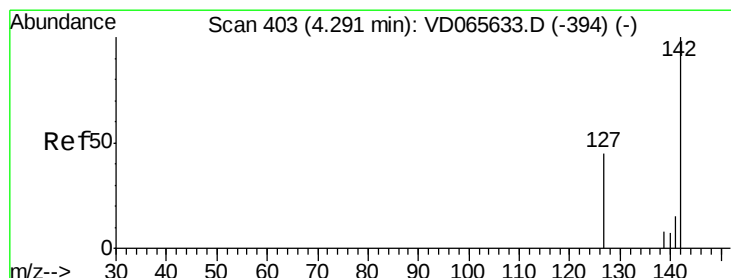
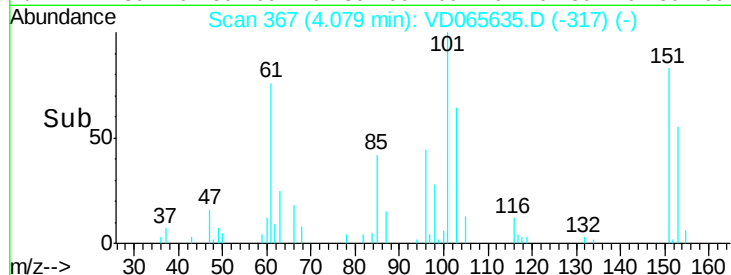
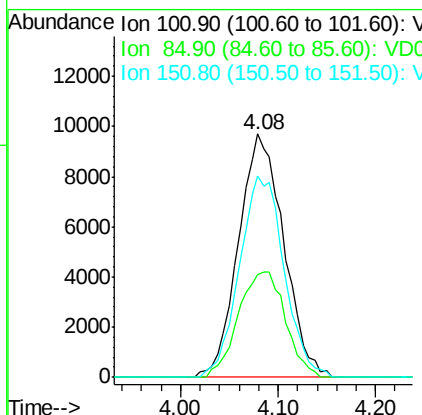
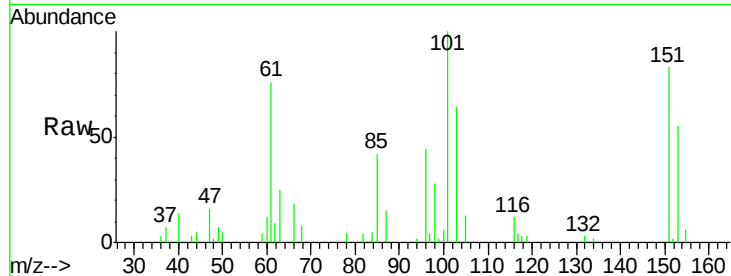
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	31241
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.2	54.2
151	82.0	65.6	98.4

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#10

Methyl Iodide

Concen: 15.214 ug/l

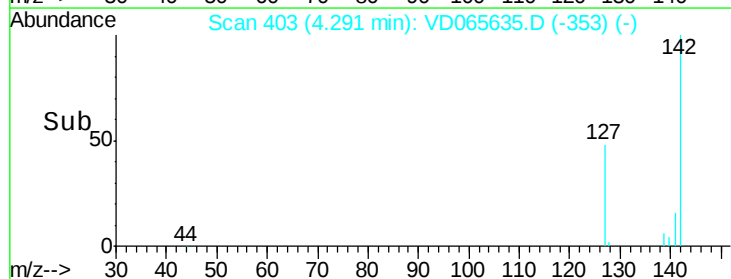
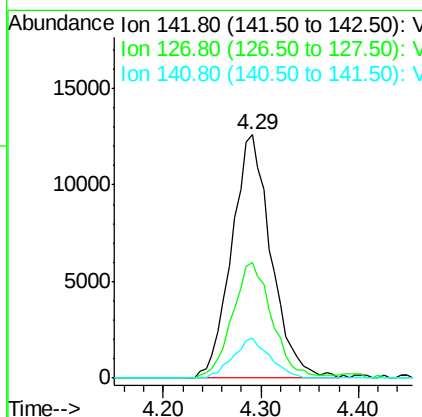
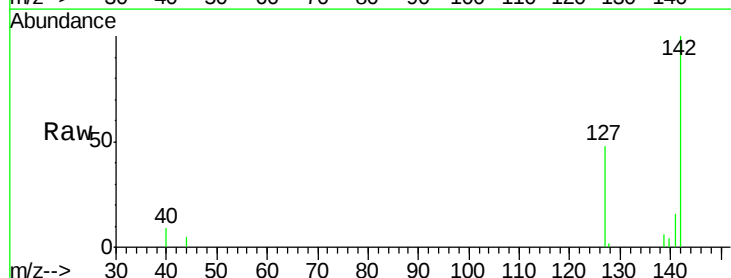
RT: 4.29 min Scan# 403

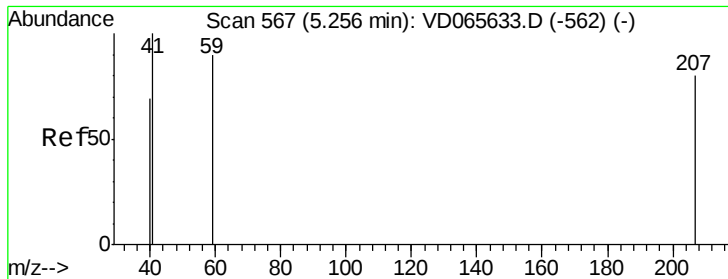
Delta R.T. -0.01 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Tgt Ion:	142	Resp:	35481
Ion Ratio	Lower	Upper	
142	100		
127	47.8	38.1	57.1
141	15.3	12.1	18.1





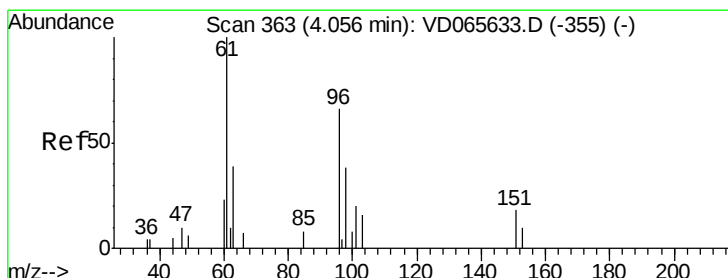
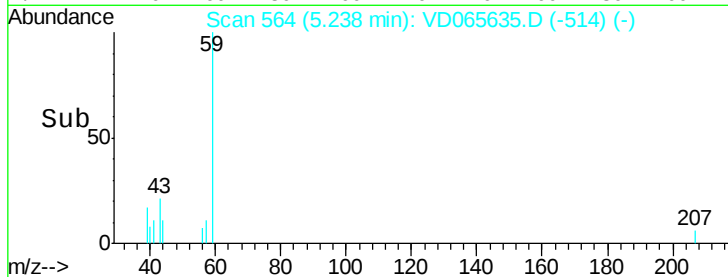
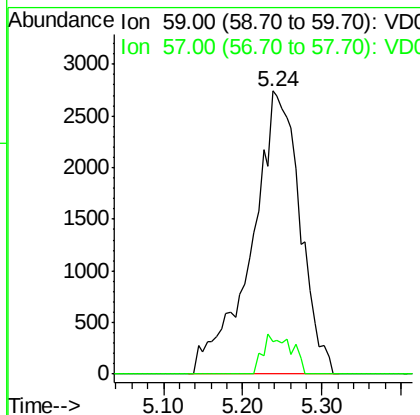
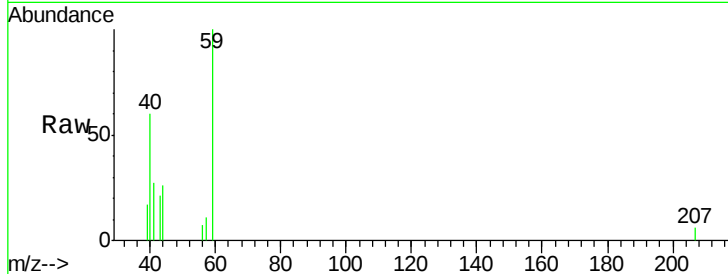
#11
Tert butyl alcohol
Concen: 103.797 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 11638
Ion Ratio Lower Upper
59 100
57 8.2 7.4 11.2

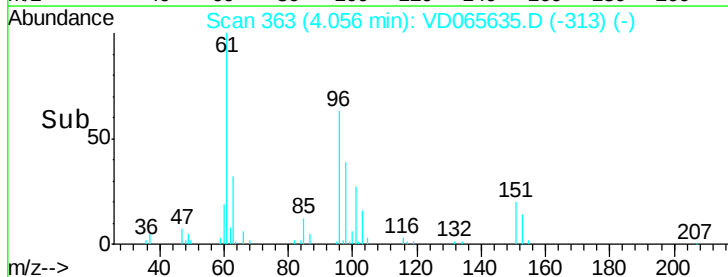
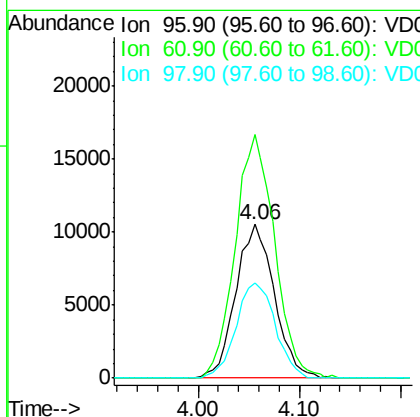
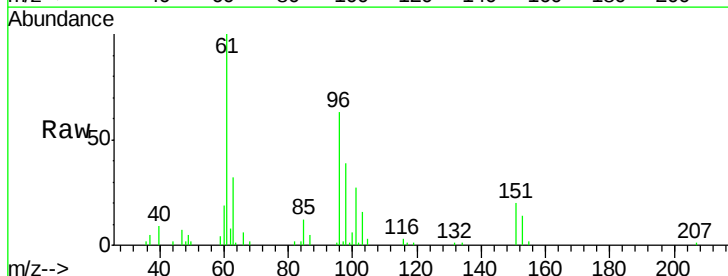
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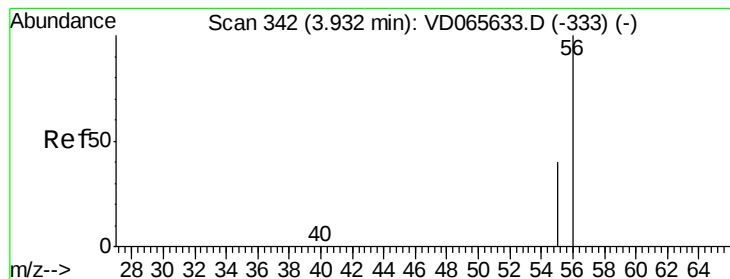
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#12
1,1-Dichloroethene
Concen: 12.745 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 96 Resp: 27826
Ion Ratio Lower Upper
96 100
61 158.7 136.2 204.2
98 62.1 52.2 78.2





#13

Acrolein

Concen: 51.241 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 7995

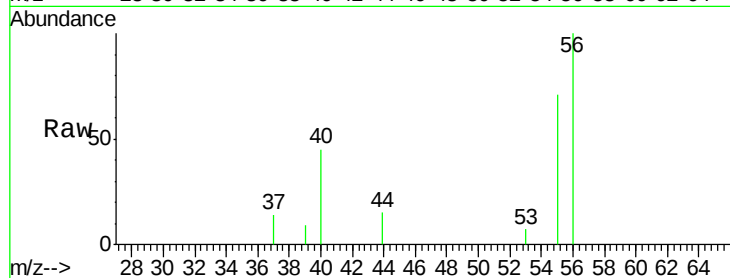
Ion Ratio Lower Upper

56 100

55 72.5 58.2 87.2

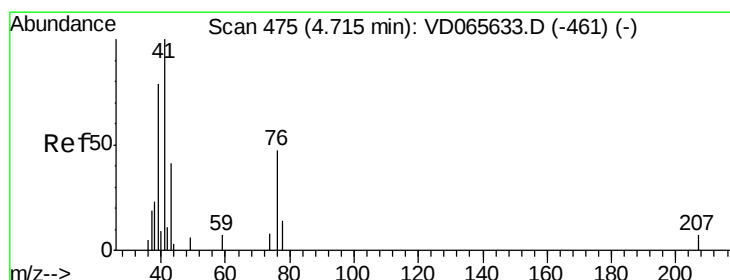
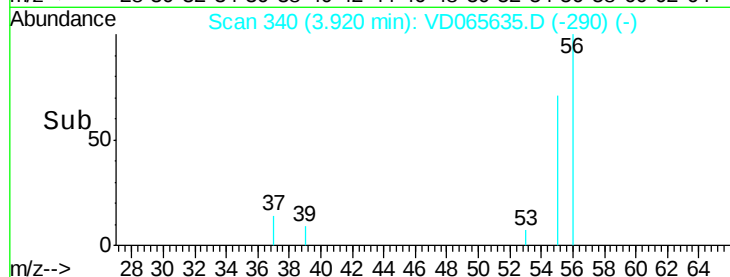
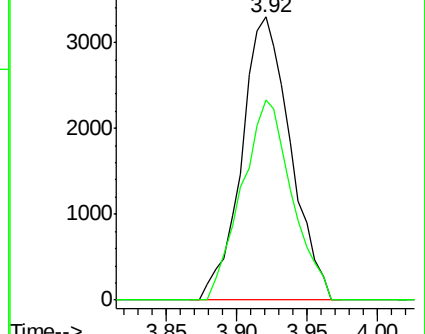
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 12.648 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

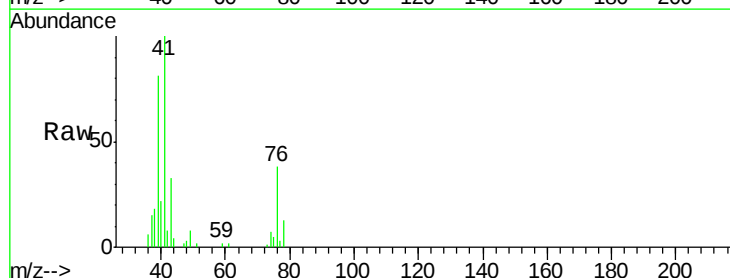
Tgt Ion: 41 Resp: 41001

Ion Ratio Lower Upper

41 100

39 80.0 62.5 93.7

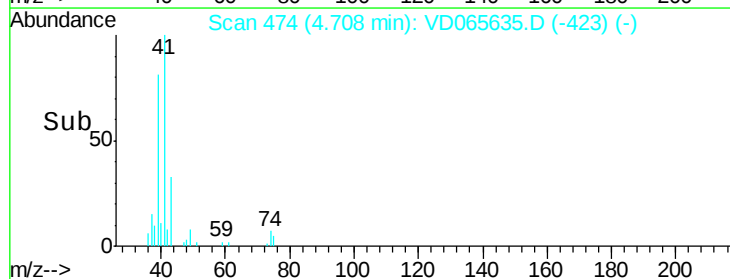
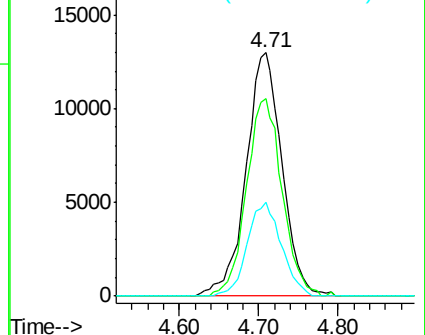
76 36.5 29.1 43.7

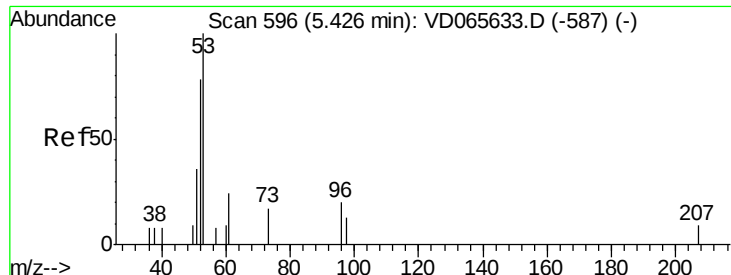


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 95.293 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

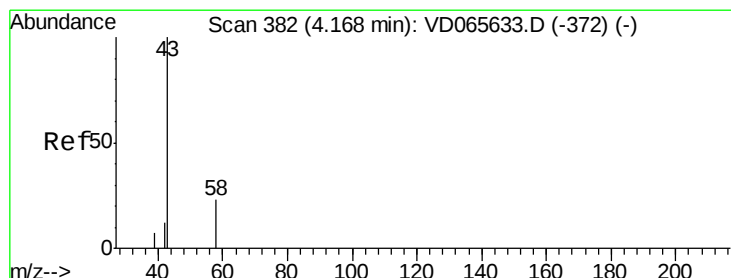
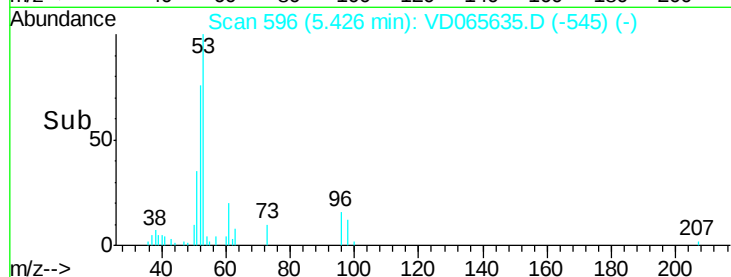
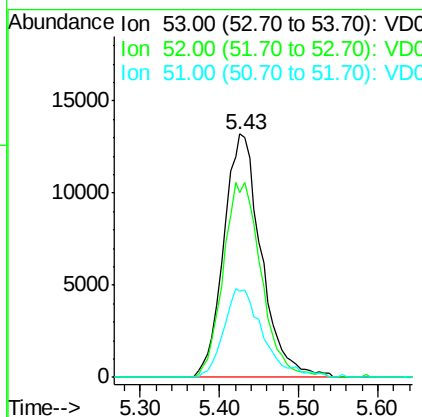
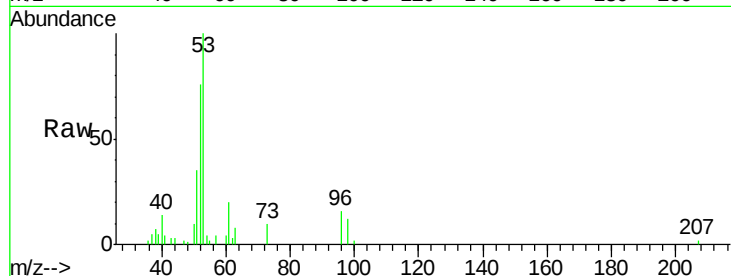
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	43221
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.8	98.6
51	38.0	30.9	46.3

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#16

Acetone

Concen: 63.673 ug/l

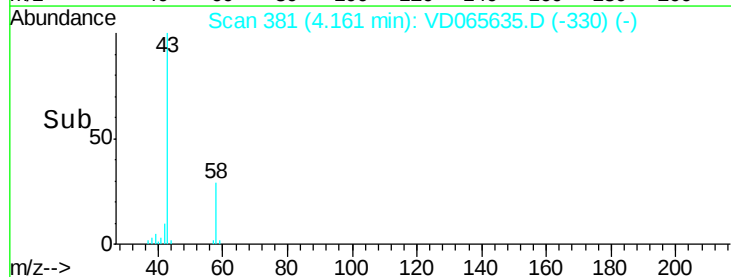
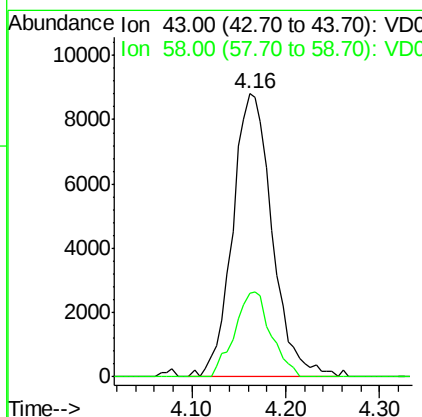
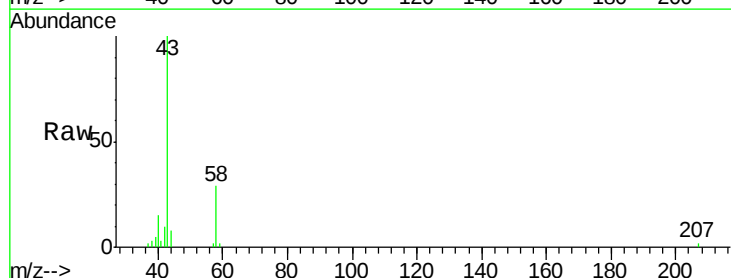
RT: 4.16 min Scan# 381

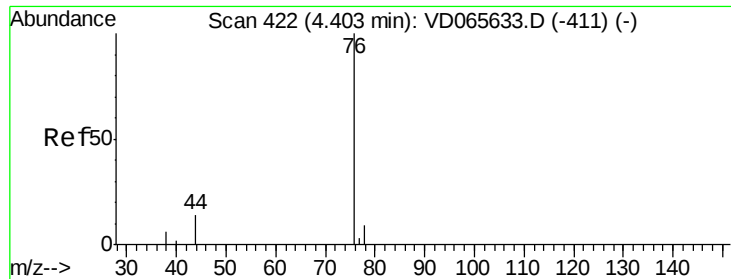
Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Tgt Ion:	43	Resp:	25710
Ion Ratio	Lower	Upper	
43	100		
58	29.5	22.9	34.3





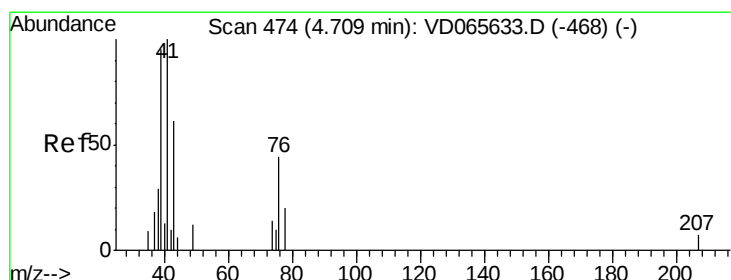
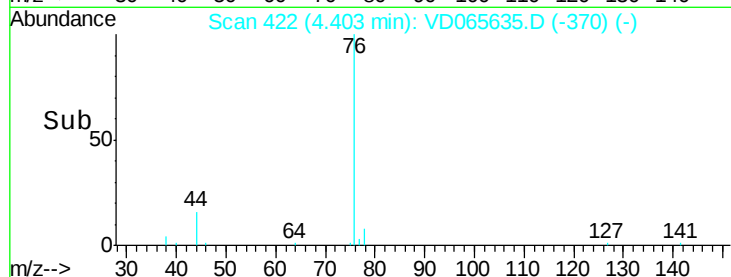
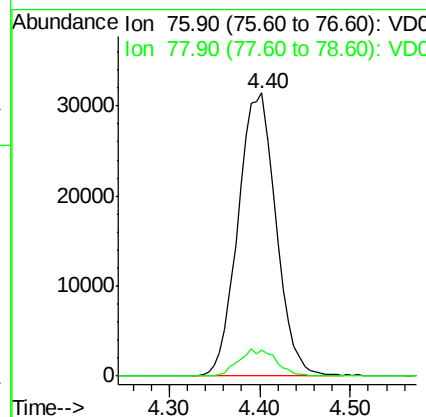
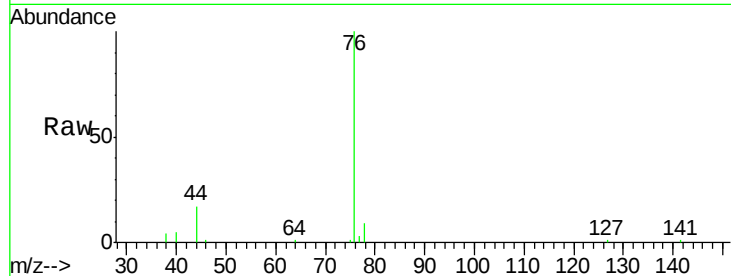
#17
Carbon Disulfide
Concen: 12.623 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	76	Resp	91644
Ion Ratio	Lower	Upper	
76	100		
78	9.0	7.3	10.9

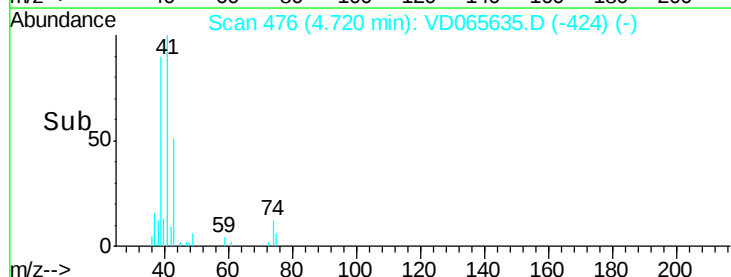
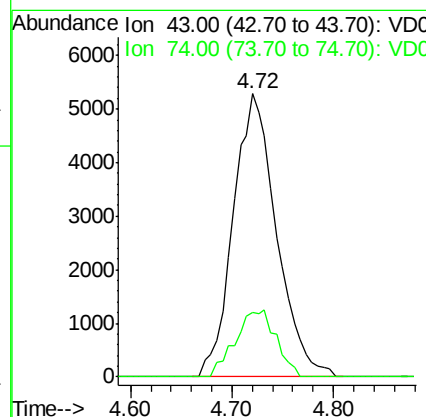
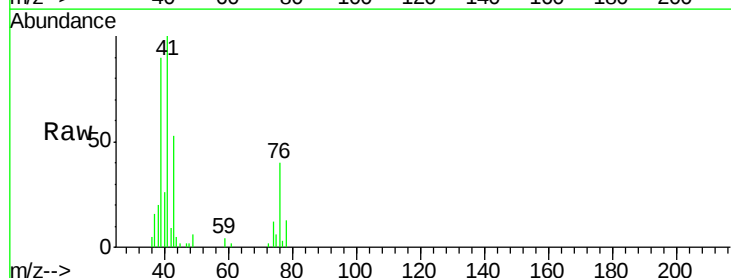
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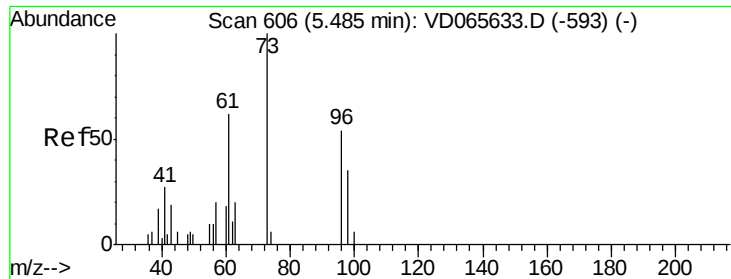
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#18
Methyl Acetate
Concen: 13.338 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	43	Resp	15659
Ion Ratio	Lower	Upper	
43	100		
74	22.2	18.6	28.0





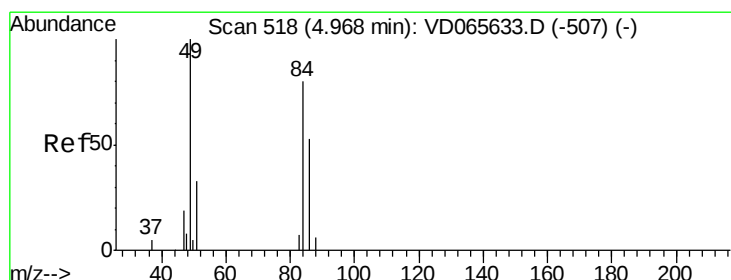
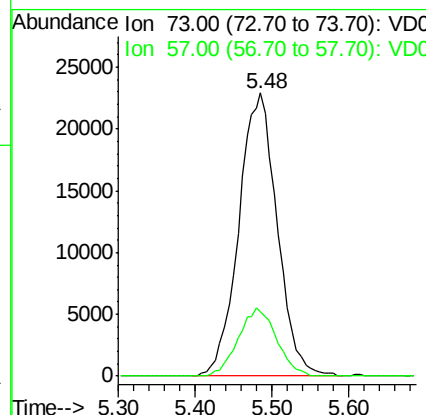
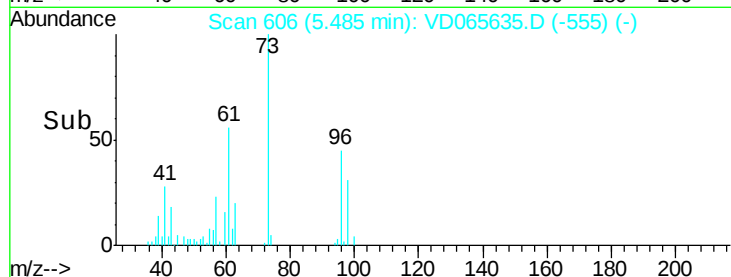
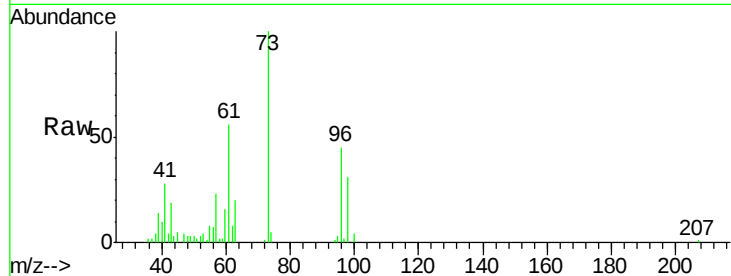
#19
Methyl tert-butyl Ether
Concen: 18.520 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 79631
Ion Ratio Lower Upper
73 100
57 23.0 17.8 26.8

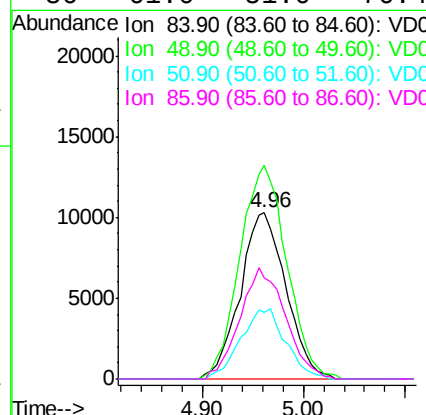
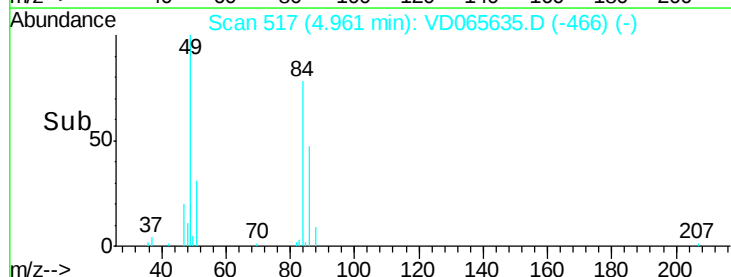
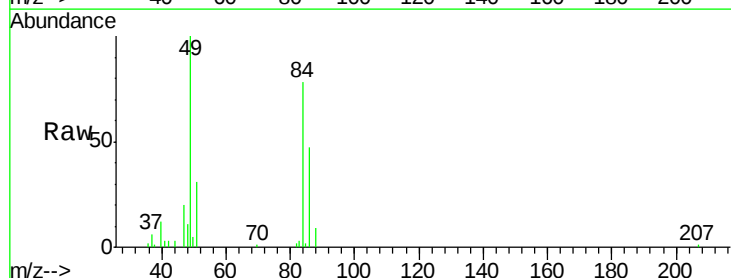
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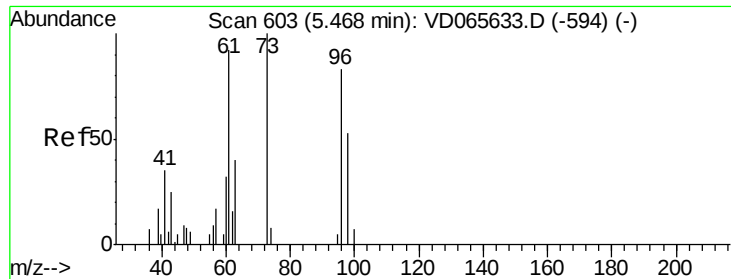
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#20
Methylene Chloride
Concen: 12.322 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 84 Resp: 32259
Ion Ratio Lower Upper
84 100
49 128.4 102.0 153.0
51 40.3 30.8 46.2
86 61.0 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.640 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

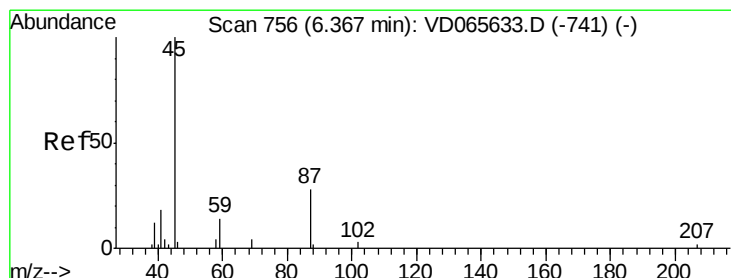
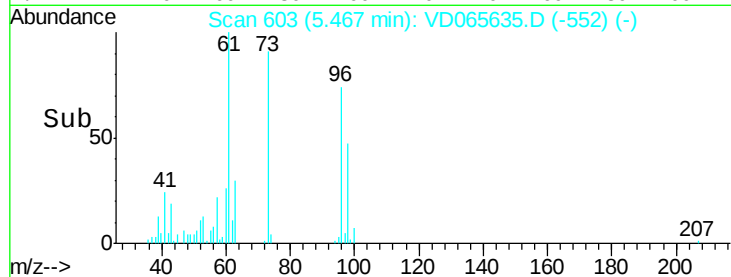
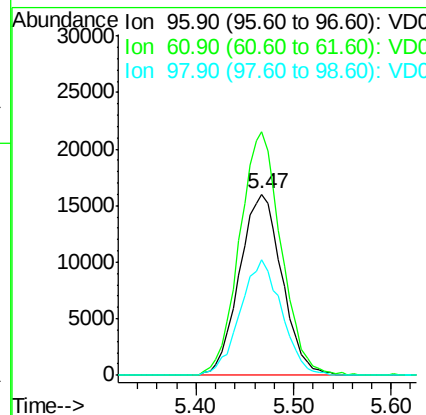
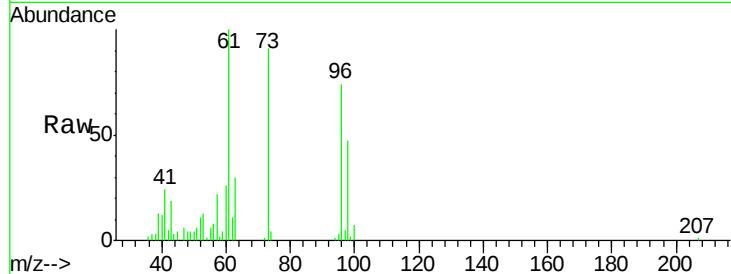
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	48743
Ion	Ratio	Lower	Upper
96	100		
61	134.4	102.6	153.8
98	63.6	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.771 ug/l

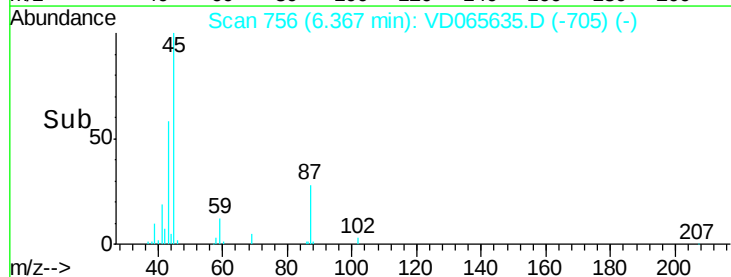
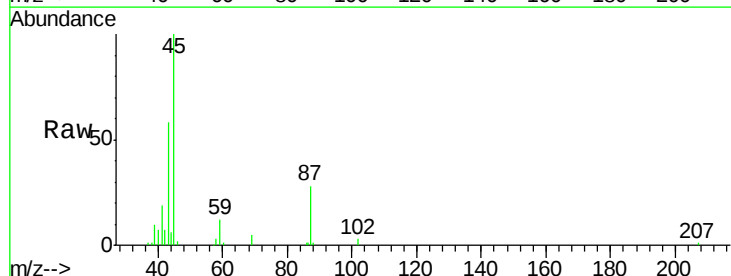
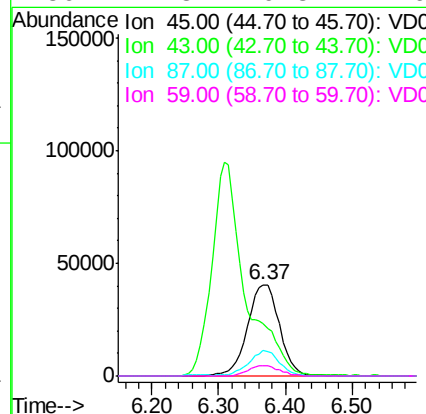
RT: 6.37 min Scan# 756

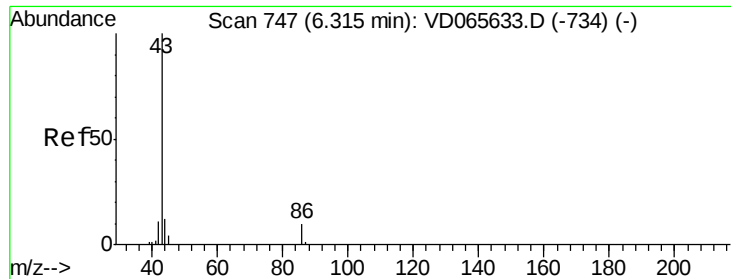
Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Tgt Ion:	45	Resp:	133520
Ion	Ratio	Lower	Upper
45	100		
43	57.4	42.2	63.2
87	28.2	22.1	33.1
59	11.8	9.8	14.6





#23

Vinyl Acetate

Concen: 92.169 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Tot Ion: 43 Resp: 331992

Ion Ratio Lower Upper

43 100

86 11.4 8.7 13.1

Instrument :

MSVOA_D

ClientSampleId :

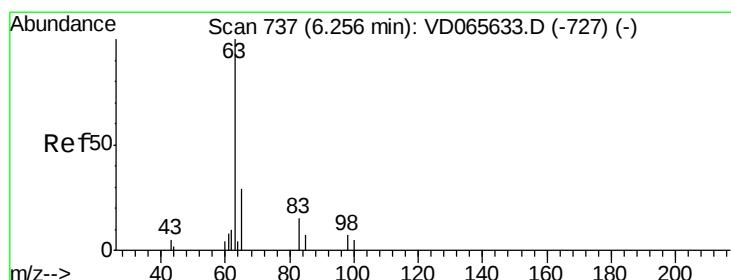
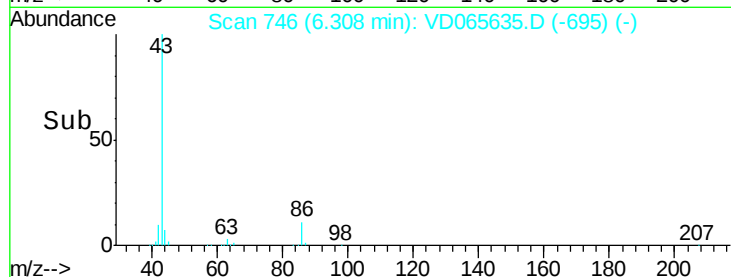
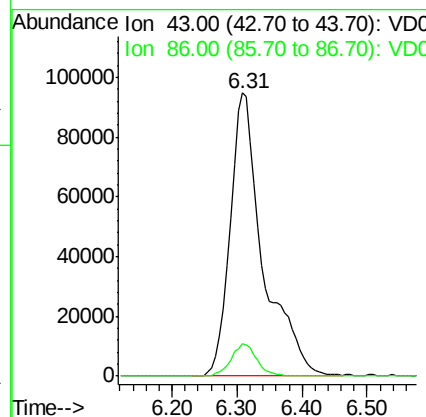
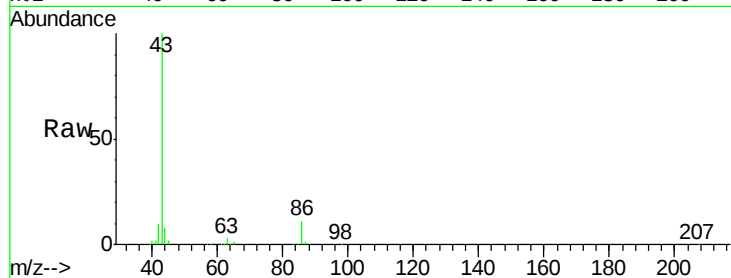
VSTDIC020

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#24

1,1-Dichloroethane

Concen: 18.478 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

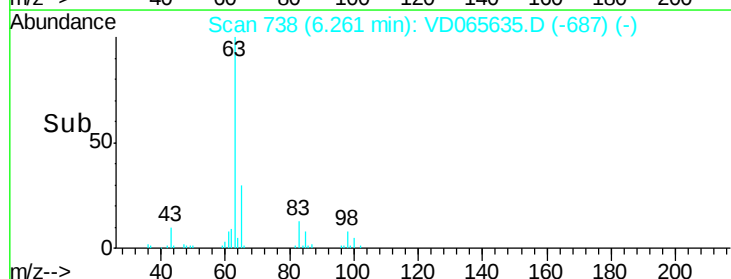
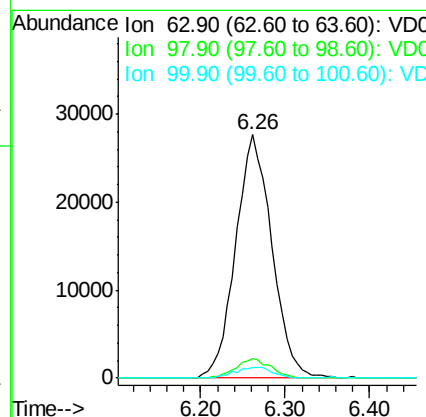
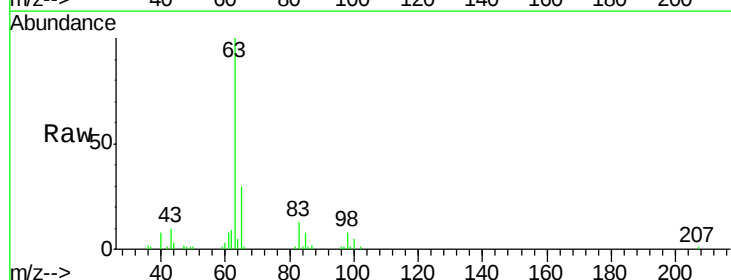
Tgt Ion: 63 Resp: 82056

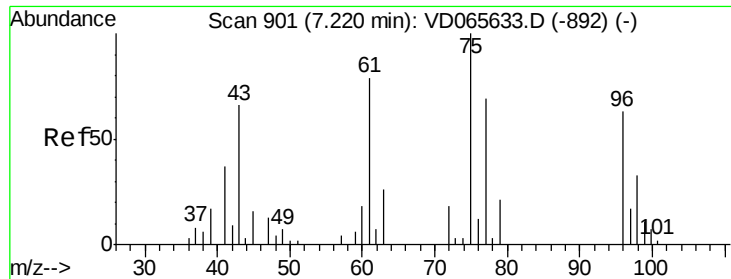
Ion Ratio Lower Upper

63 100

98 8.2 3.6 10.8

100 4.5 2.4 7.2





#25

2-Butanone

Concen: 86.598 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Tot Ion: 43 Resp: 51011

Ion Ratio Lower Upper

43 100

72 23.2 20.5 30.7

Instrument :

MSVOA_D

ClientSampleId :

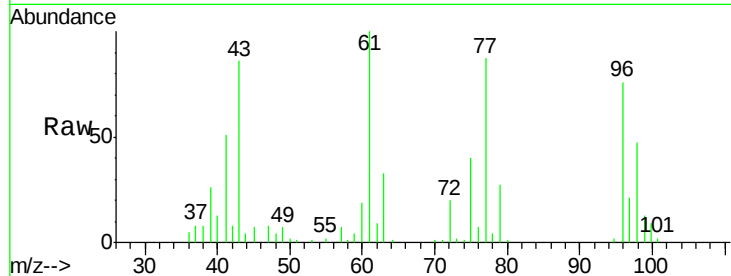
VSTDIC020

Manual Integrations

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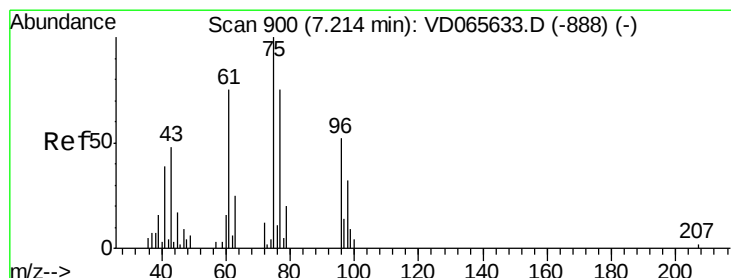
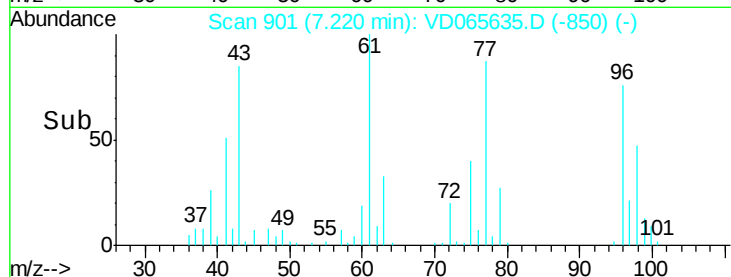
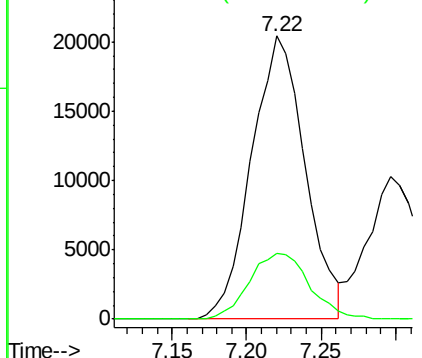
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.223 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065635.D

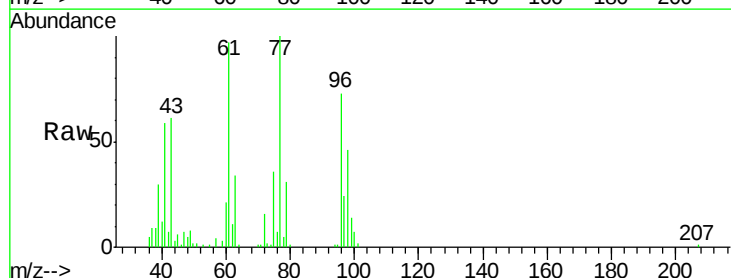
Acq: 15 Apr 2020 15:04

Tgt Ion: 77 Resp: 72079

Ion Ratio Lower Upper

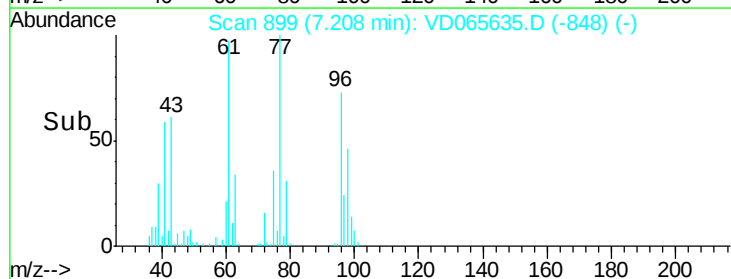
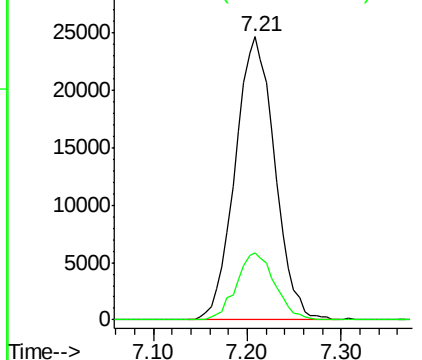
77 100

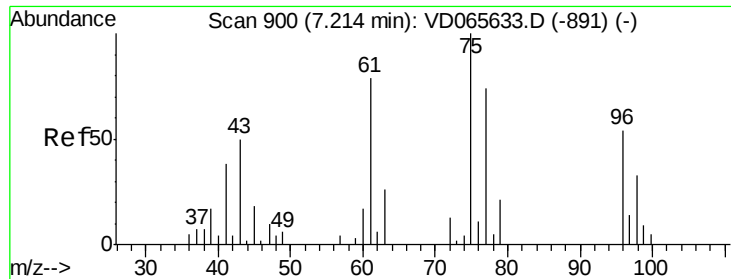
97 22.9 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

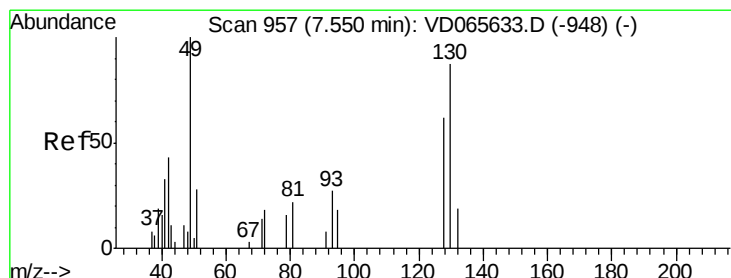
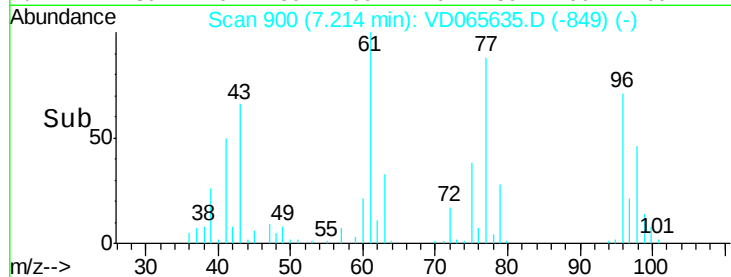
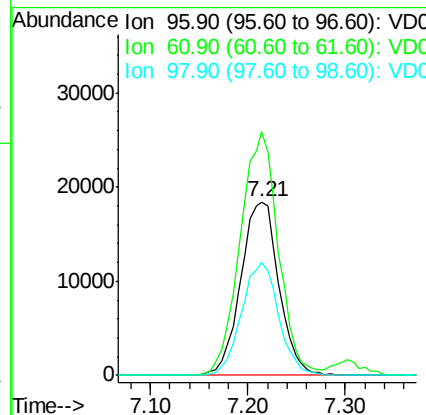
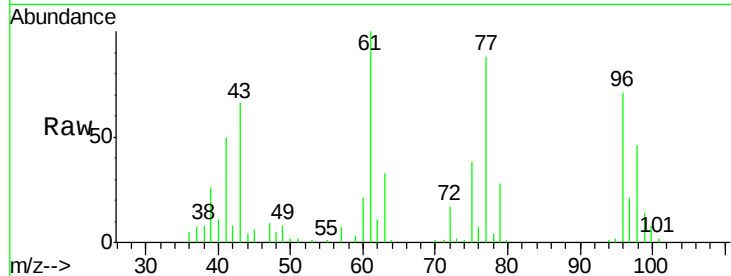
cis-1,2-Dichloroethene
Concen: 18.560 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.1	0.0	286.2
98	63.3	0.0	128.0

Manual Integrations
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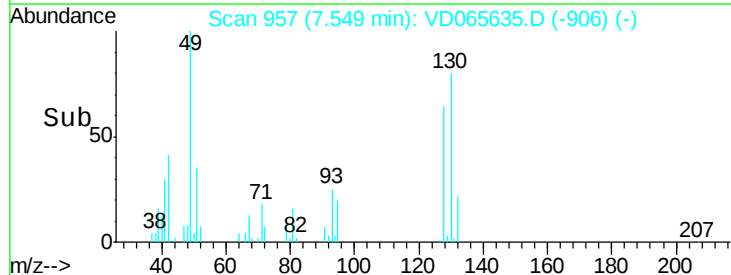
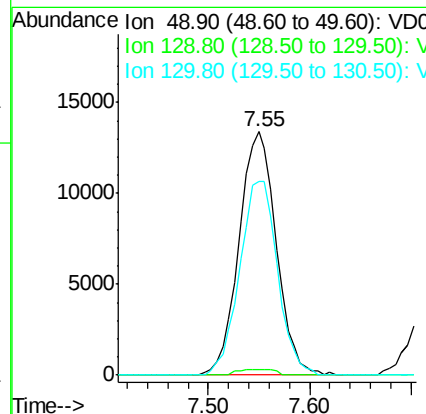
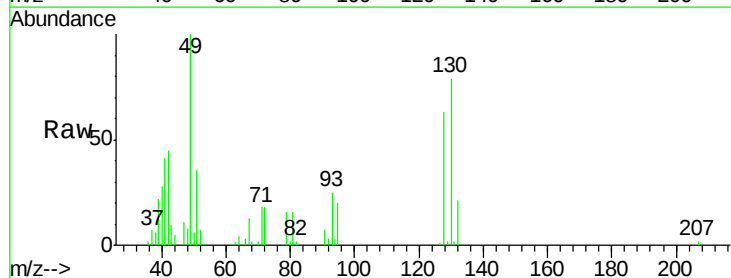
MMDadoda
4/16/2020 3:13:34 PM

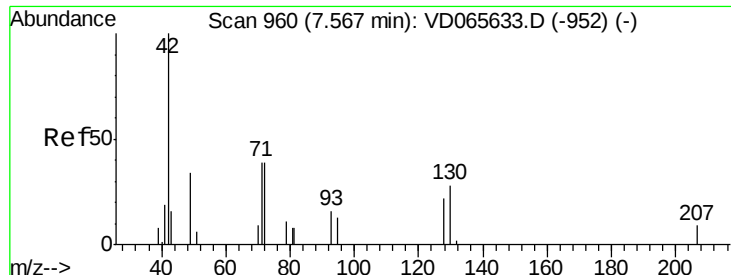


#28

Bromochloromethane
Concen: 18.886 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	81.2	66.2	99.2





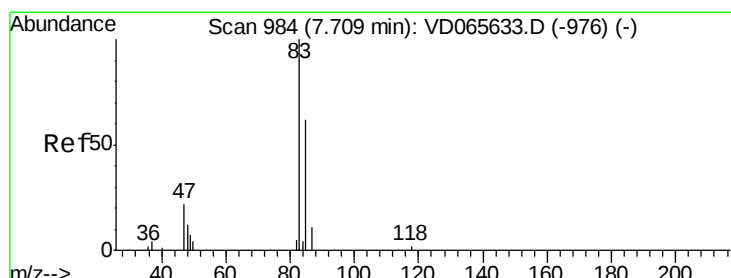
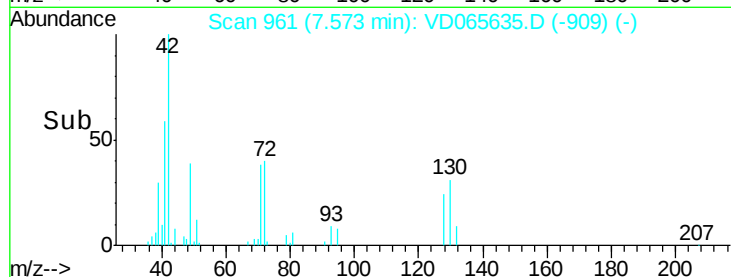
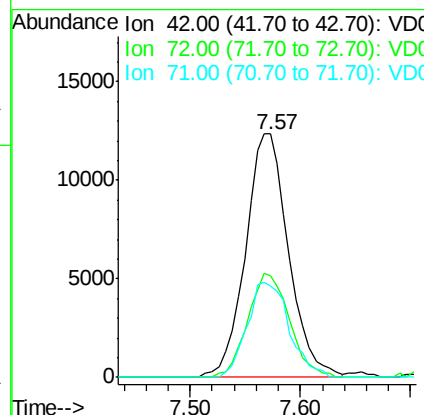
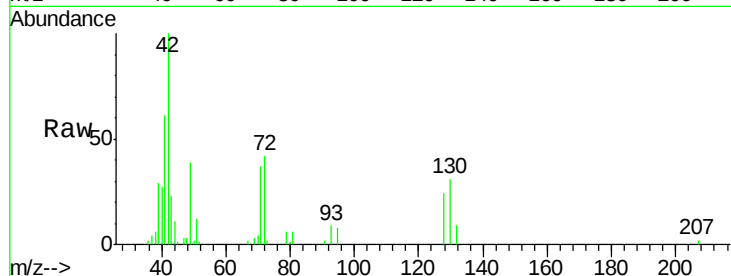
#29
Tetrahydrofuran
Concen: 90.350 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	34.4	51.6
71	38.3	31.4	47.0

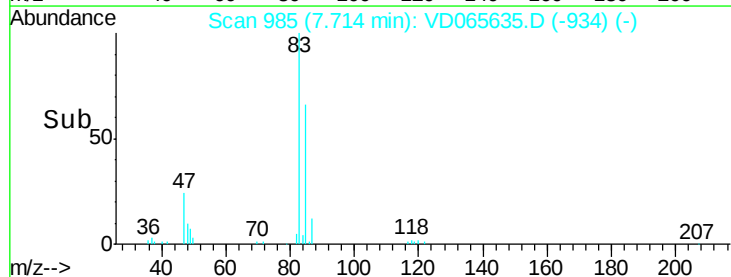
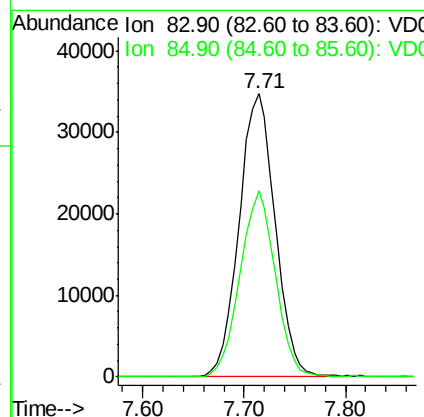
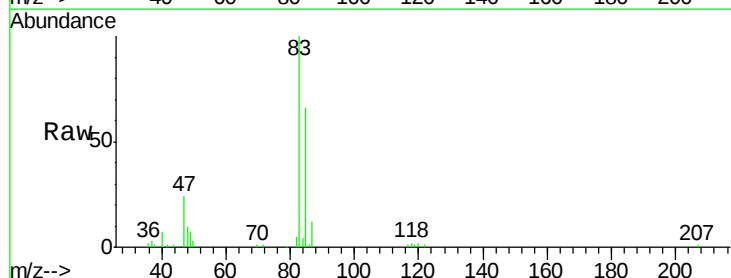
Manual Integrations
APPROVED

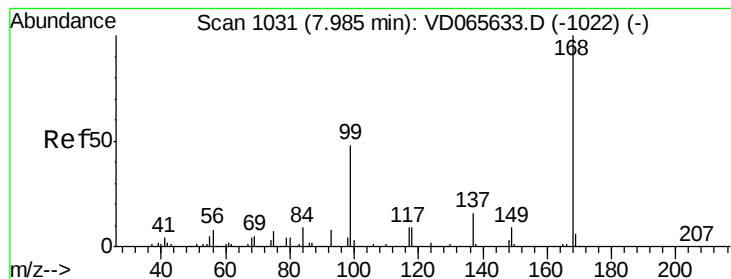
MMDadoda
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#30
Chloroform
Concen: 18.463 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.6	78.8





#31

Cyclohexane

Concen: 18.606 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

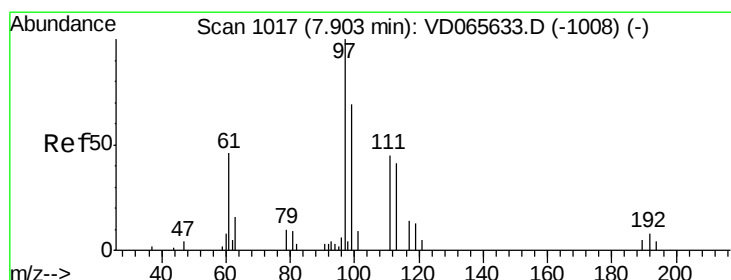
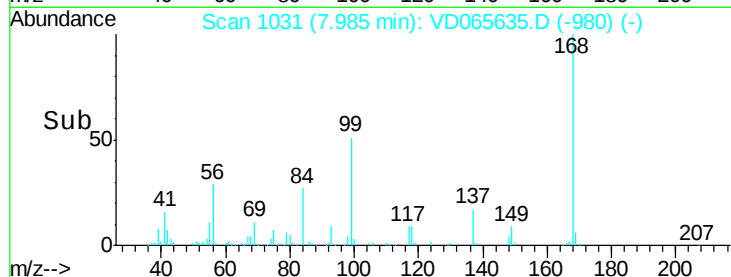
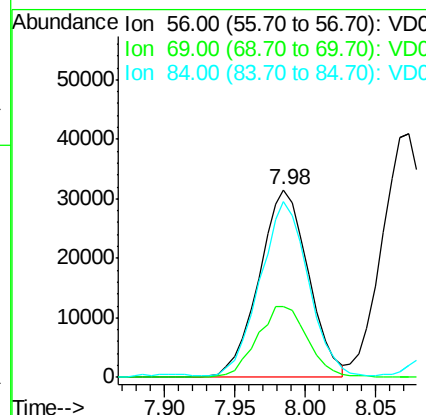
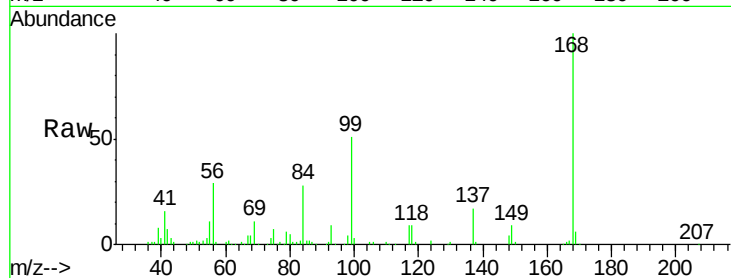
ClientSampleID :

VSTDIC020

Tot Ion:	56	Resp:	77132
Ion	Ratio	Lower	Upper
56	100		
69	37.6	26.6	40.0
84	92.7	75.3	112.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.351 ug/l

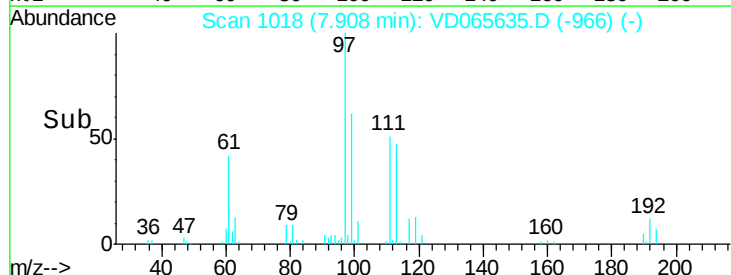
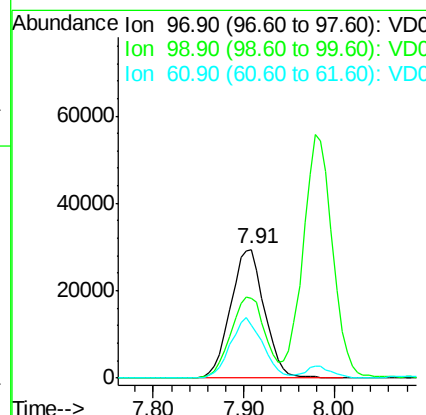
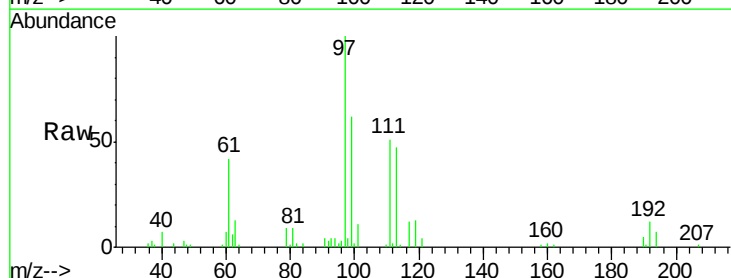
RT: 7.91 min Scan# 1018

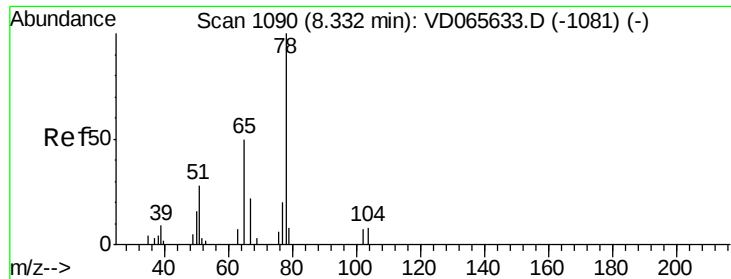
Delta R.T. 0.01 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Tgt Ion:	97	Resp:	76609
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.5	77.3
61	44.6	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 17.842 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 41557

Ion Ratio Lower Upper

65 100

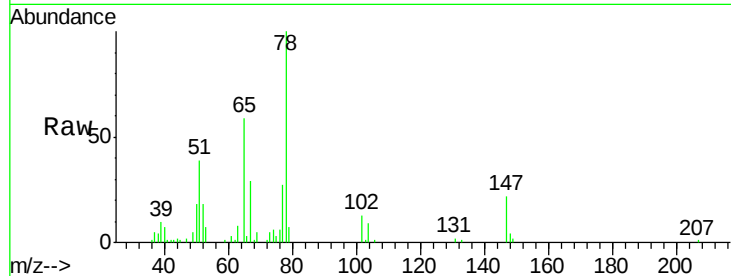
67 54.6 0.0 105.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

20000

15000

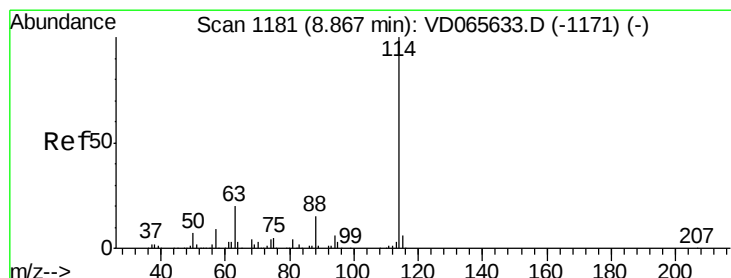
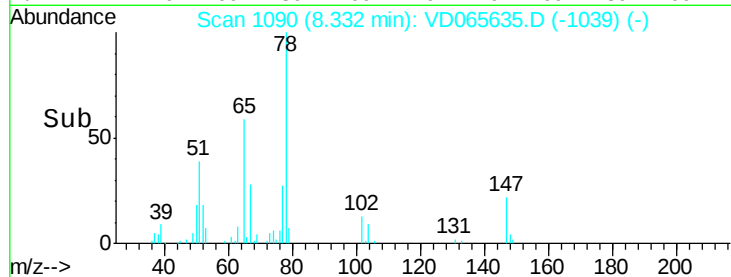
10000

5000

0

Time-->

8.25 8.30 8.35 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

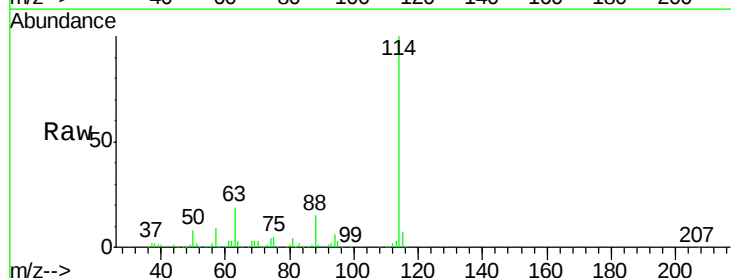
Tgt Ion: 114 Resp: 348300

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.8

88 14.6 0.0 31.6



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

8.87

200000

150000

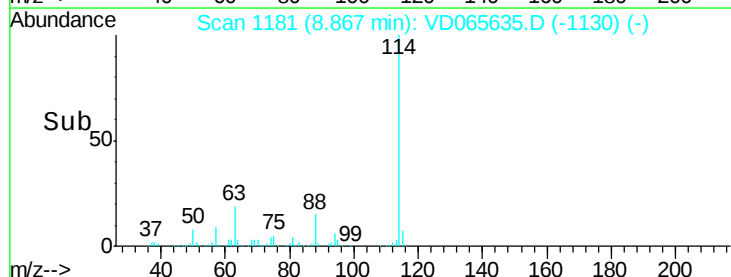
100000

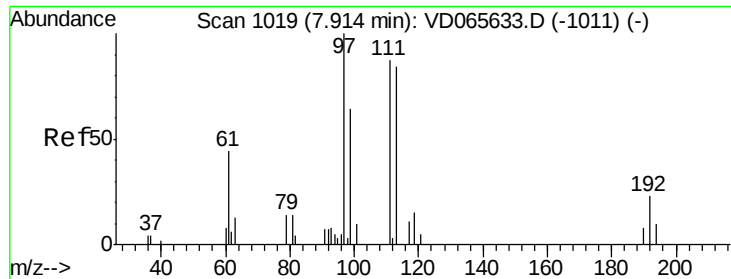
50000

0

Time-->

8.80 8.90 9.00





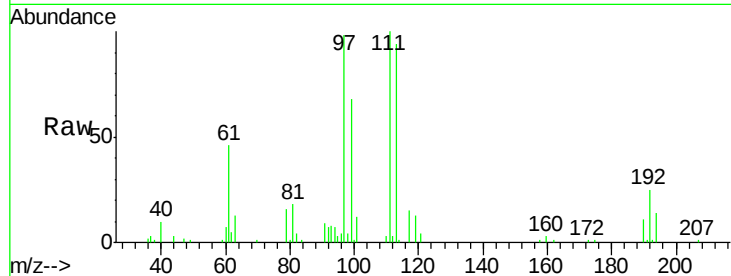
#35
Dibromofluoromethane
Concen: 17.829 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	42630		
111	103.7	81.9	122.9	
192	23.4	18.9	28.3	

Manual Integrations
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4/16/2020 3:13:34 PM



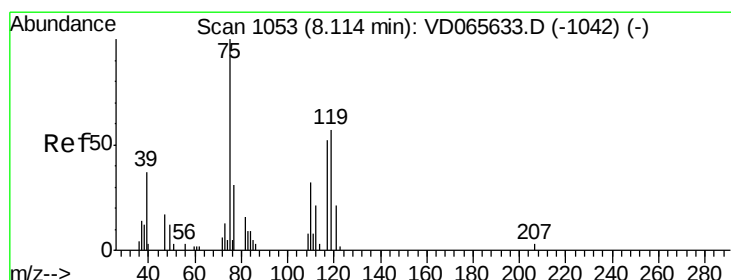
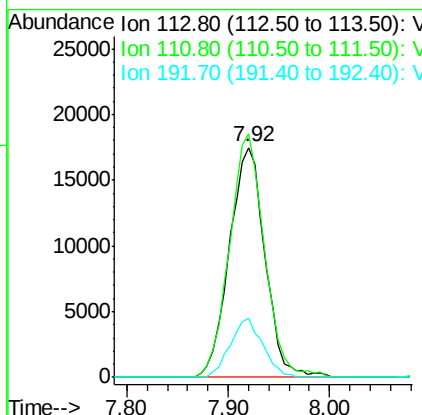
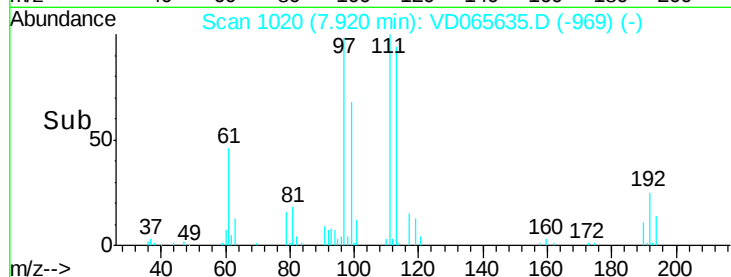
Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

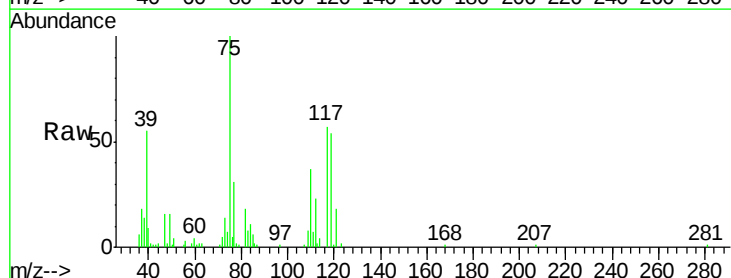
Ion 191.70 (191.40 to 192.40): V

Time-->



#36
1,1-Dichloropropene
Concen: 19.044 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	67215		
110	36.0	18.3	54.8	
77	31.0	24.6	37.0	



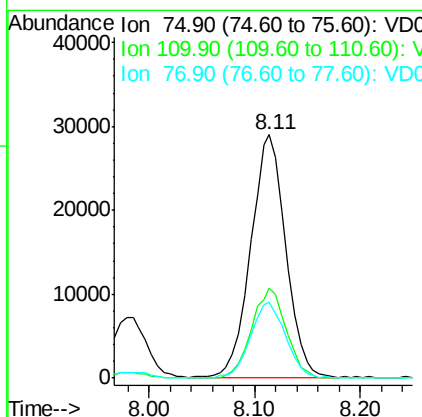
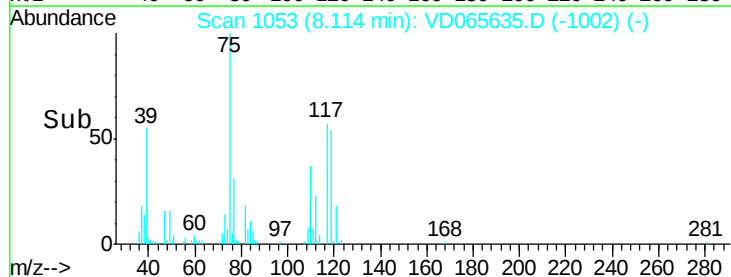
Abundance

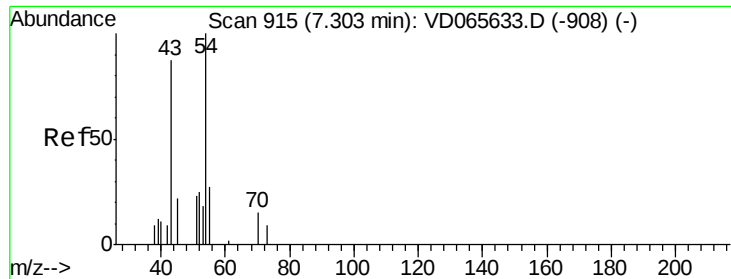
Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

Time-->





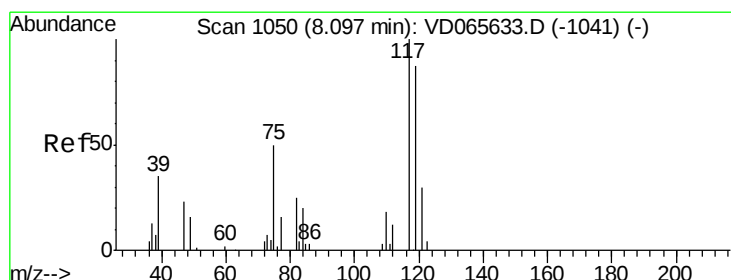
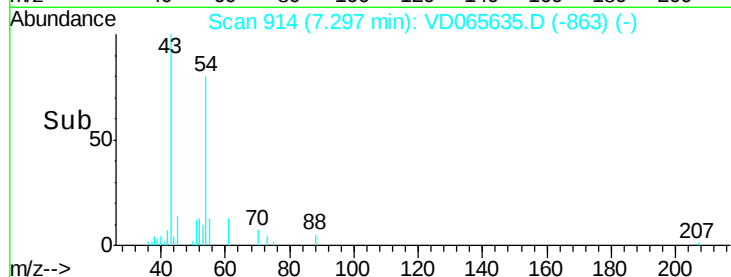
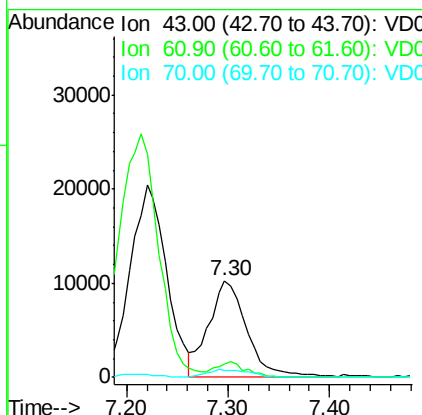
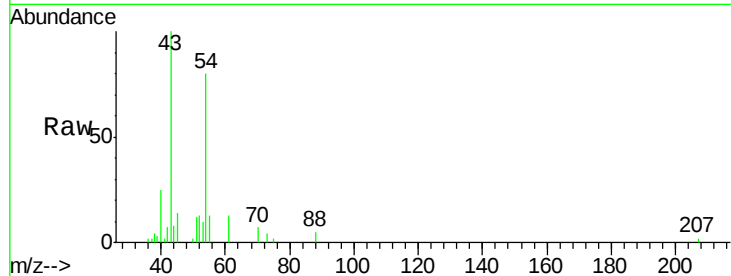
#37
Ethyl Acetate
Concen: 19.730 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.9	16.3
70	8.7	7.9	11.9

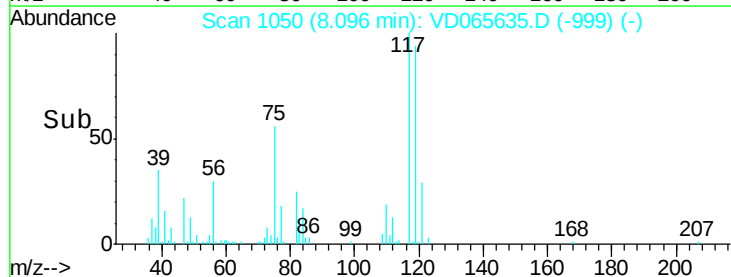
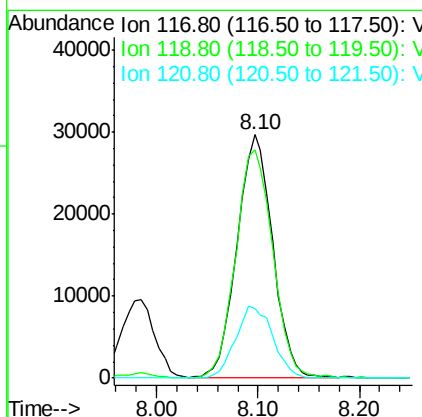
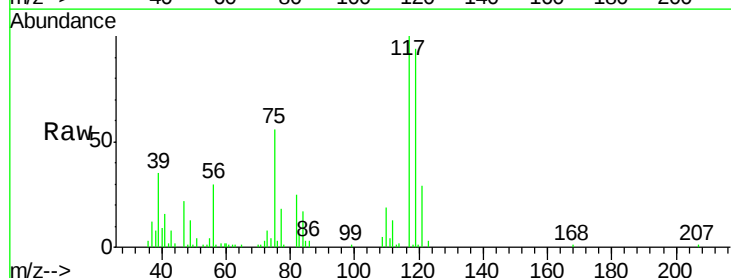
Manual Integrations
APPROVED

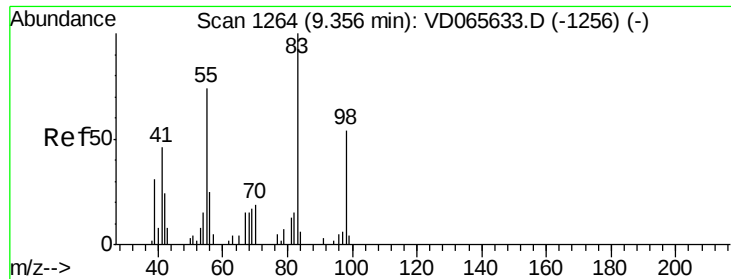
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.939 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.3	112.9
121	28.8	24.9	37.3





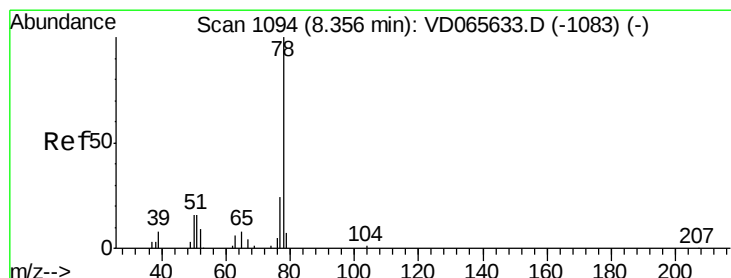
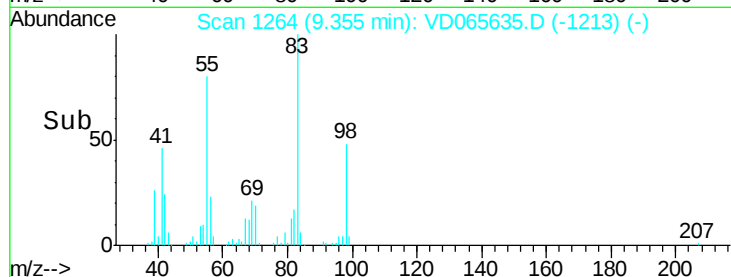
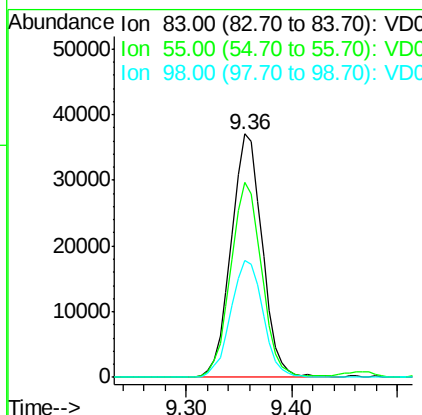
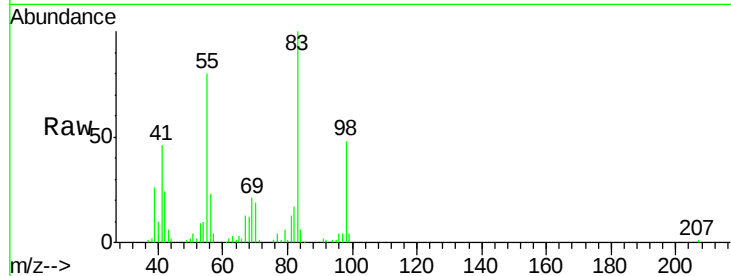
#39
Methvlcvclohexane
Concen: 18.891 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	62.3	93.5
98	48.0	40.5	60.7

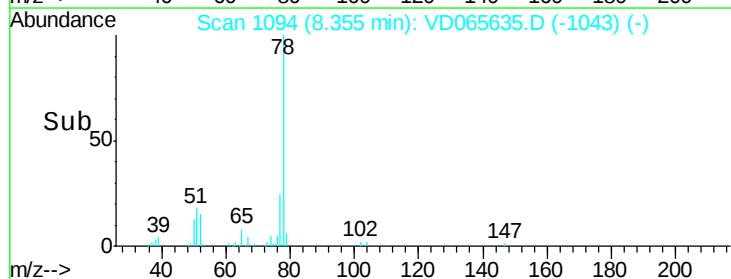
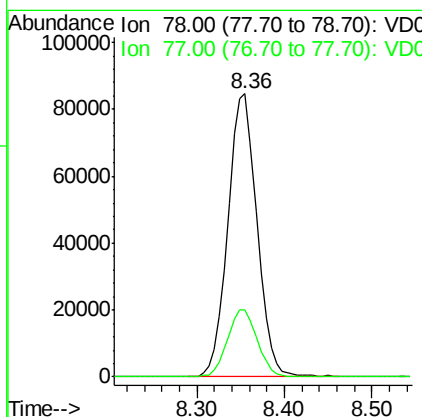
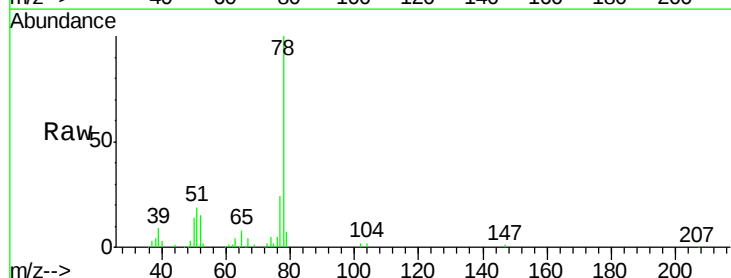
Manual Integrations
APPROVED

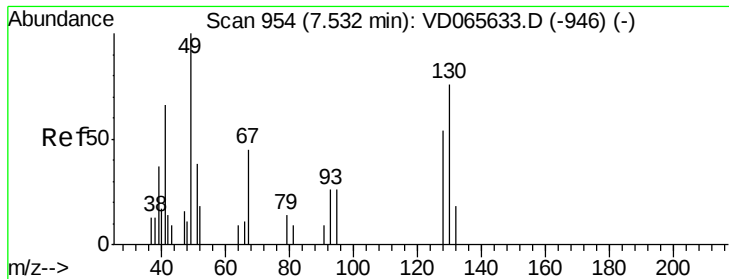
MMDadoda
4/16/2020 3:13:34 PM



#40
Benzene
Concen: 18.958 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





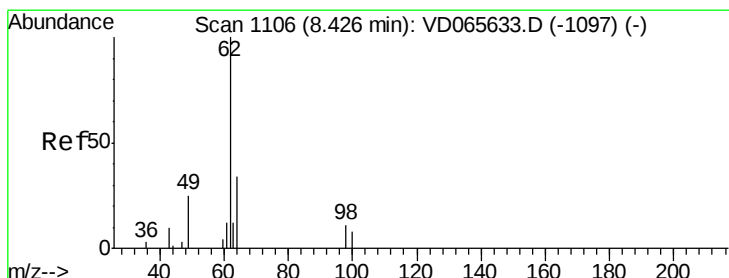
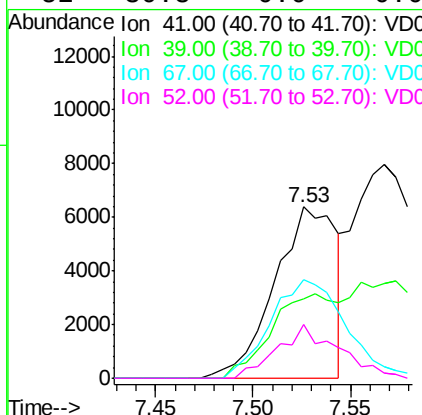
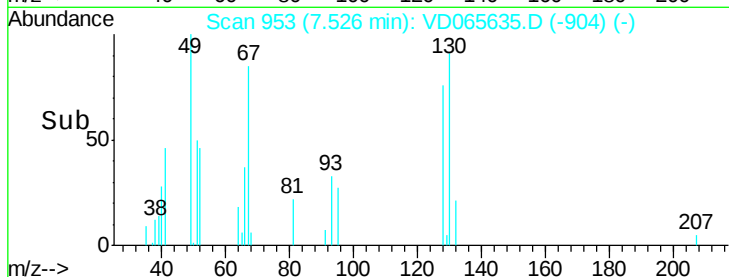
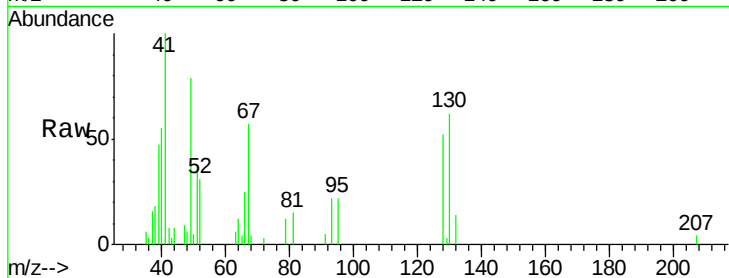
#41
Methacrylonitrile
Concen: 18.117 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.4	0.0	0.0#
67	70.3	0.0	0.0#
52	30.8	0.0	0.0#

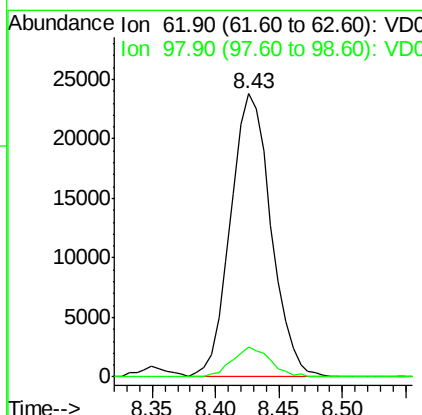
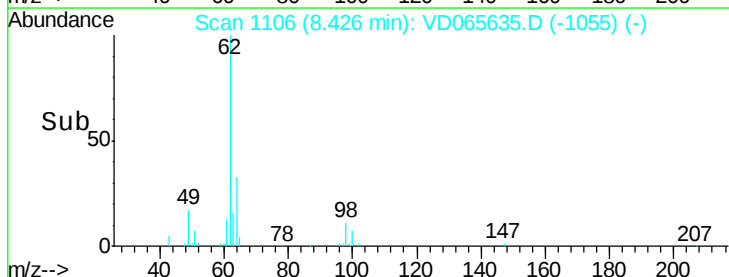
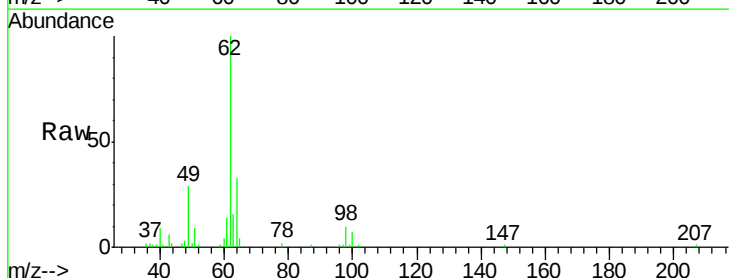
Manual Integrations
APPROVED

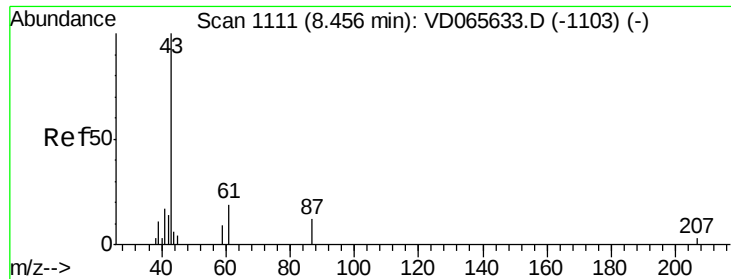
MMDadoda
4/16/2020 3:13:34 PM



#42
1,2-Dichloroethane
Concen: 18.456 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6





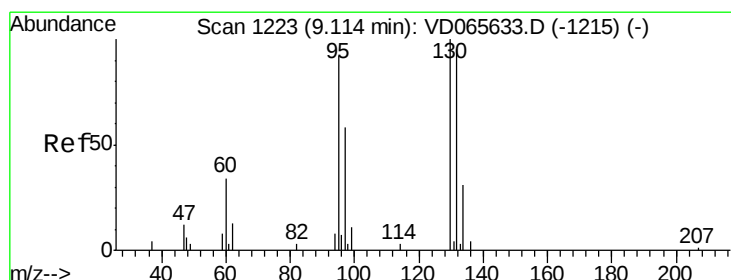
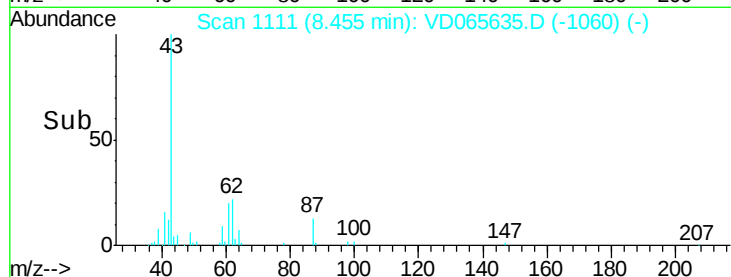
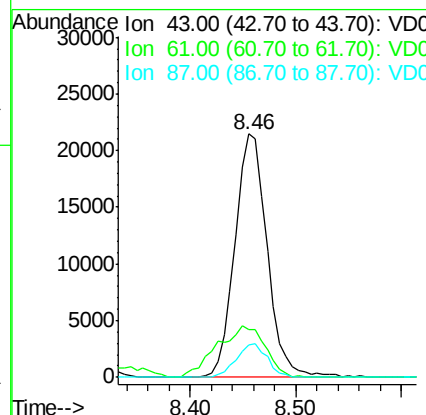
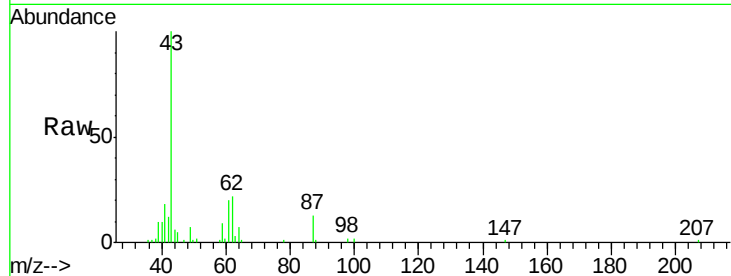
#43
Isopropyl Acetate
Concen: 18.453 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	45440
Ion Ratio	100	Lower	Upper
43	100		
61	31.5	25.0	37.6
87	13.1	9.9	14.9

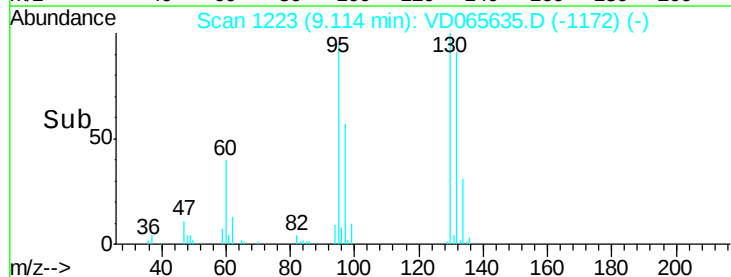
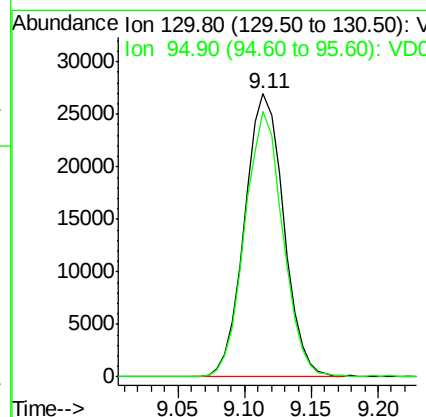
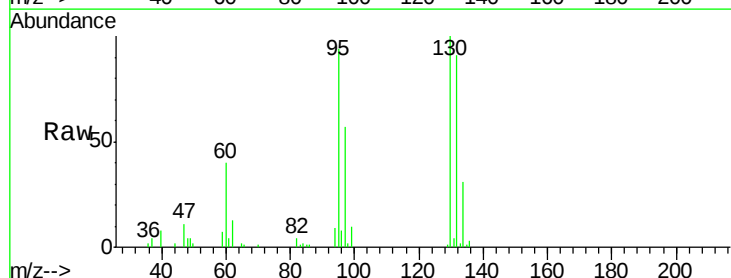
Manual Integrations
APPROVED

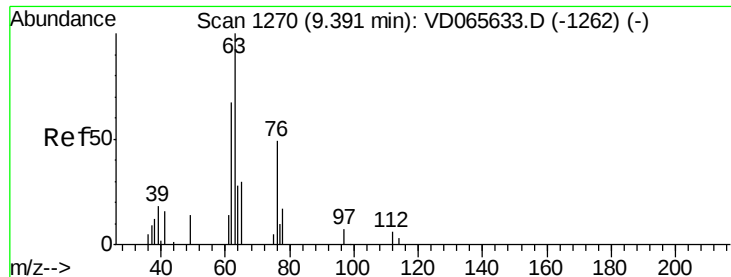
MMDadoda
4/16/2020 3:13:34 PM



#44
Trichloroethene
Concen: 18.919 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	130	Resp	54667
Ion Ratio	100	Lower	Upper
130	100		
95	93.6	0.0	178.4





#45

1,2-Dichloropropane

Concen: 19.418 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 48195

Ion Ratio Lower Upper

63 100

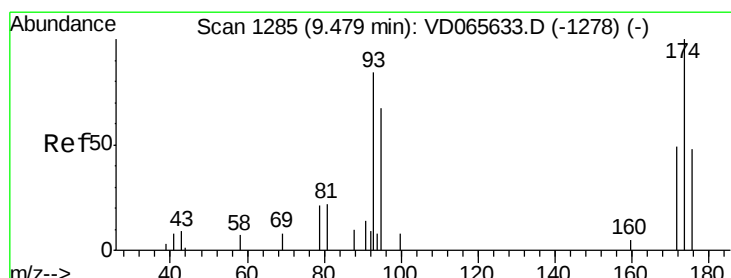
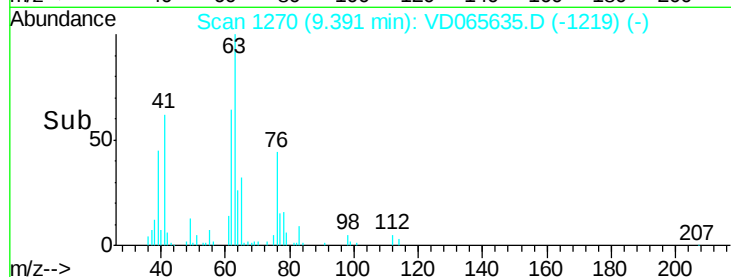
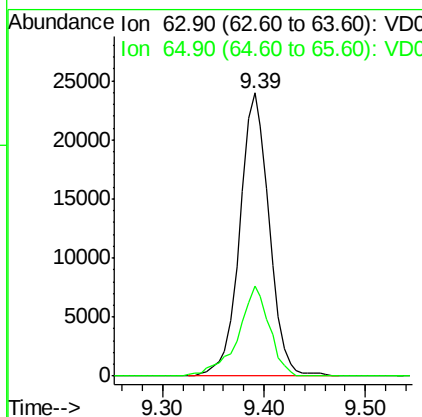
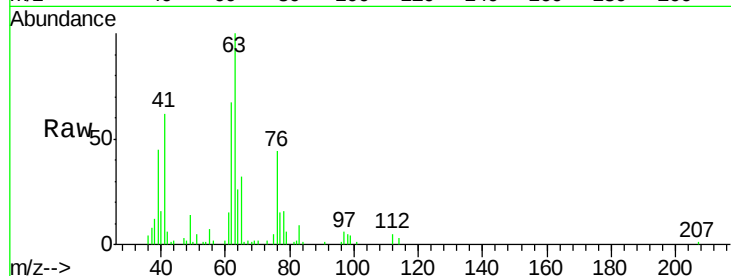
65 31.7 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

4/16/2020 3:13:34 PM



#46

Dibromomethane

Concen: 18.099 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

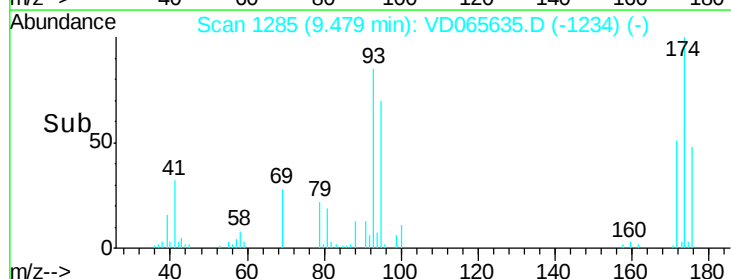
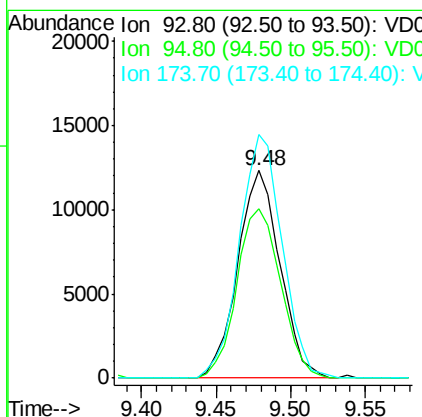
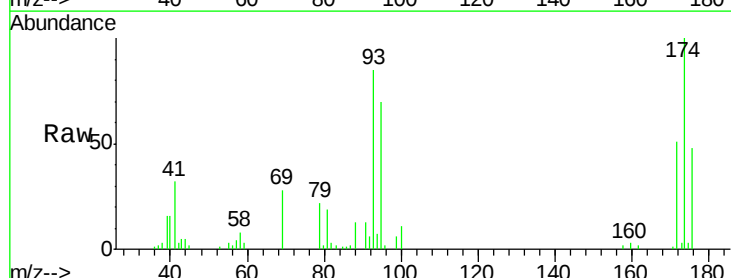
Tgt Ion: 93 Resp: 24212

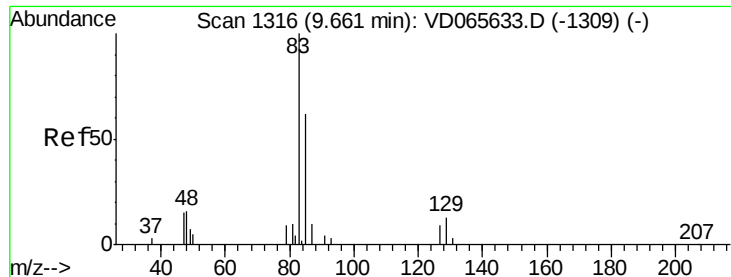
Ion Ratio Lower Upper

93 100

95 84.5 67.4 101.2

174 118.5 94.1 141.1





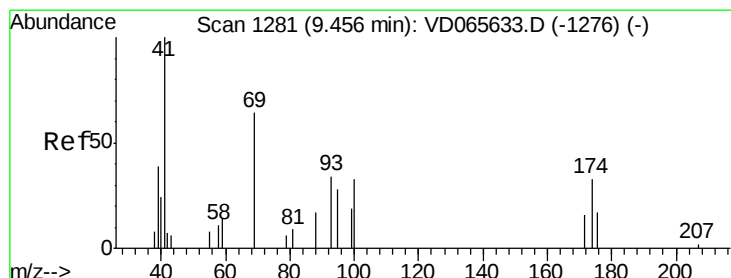
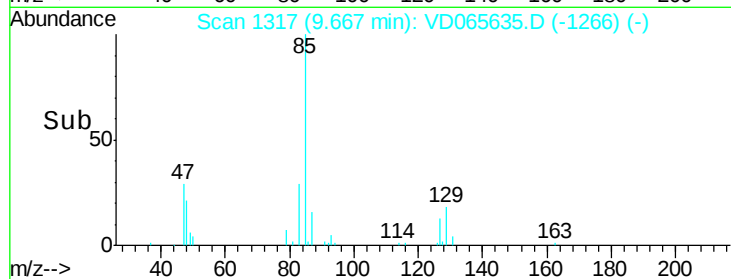
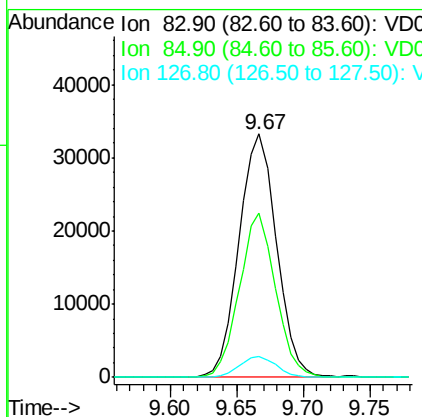
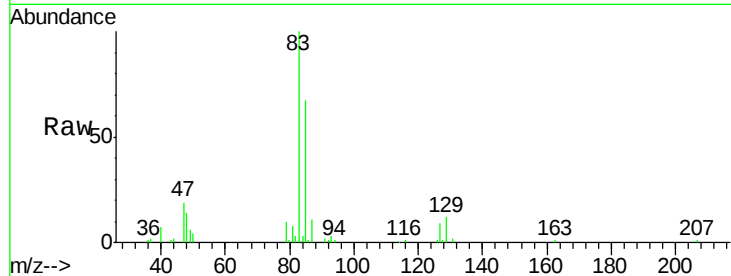
#47
Bromodichloromethane
Concen: 18.574 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	67.2	49.8	74.8
127	8.6	6.6	9.8

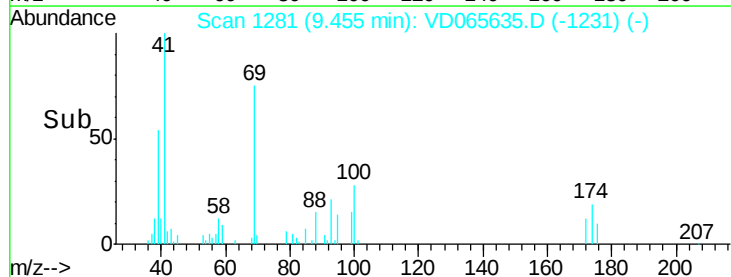
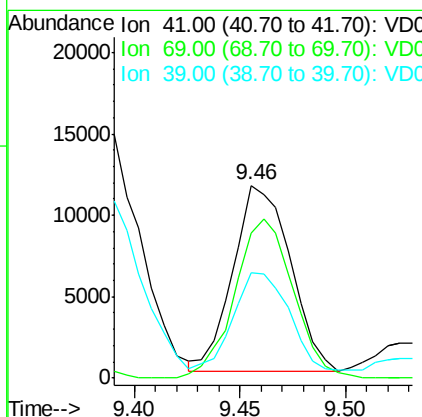
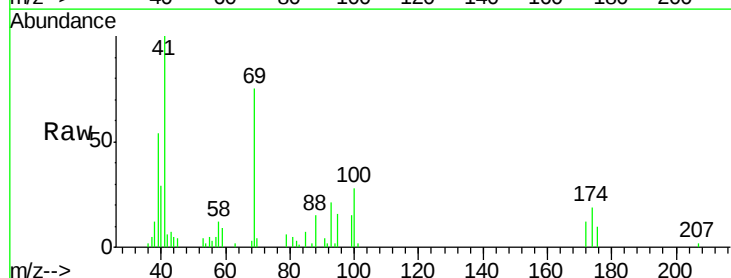
Manual Integrations
APPROVED

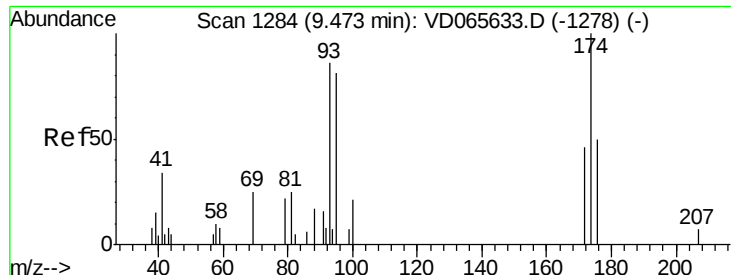
MMDadoda
4/16/2020 3:13:34 PM



#48
Methyl methacrylate
Concen: 18.364 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.0	66.8	100.2
39	52.3	39.6	59.4





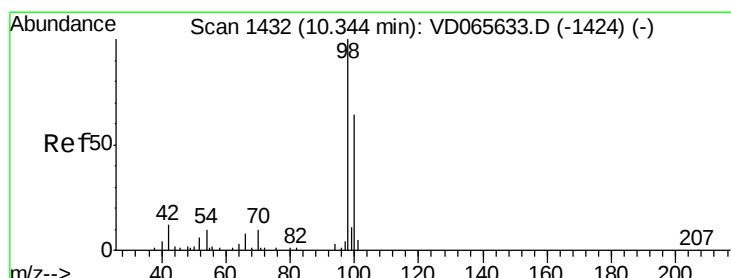
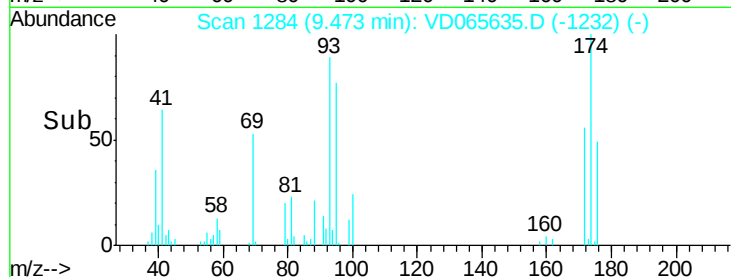
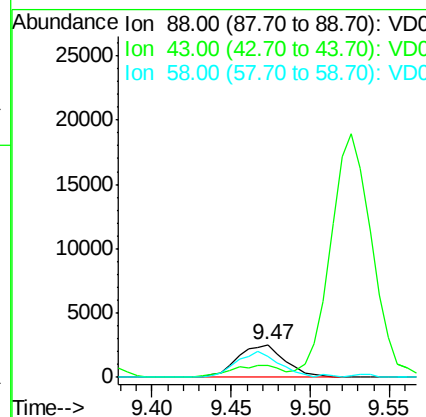
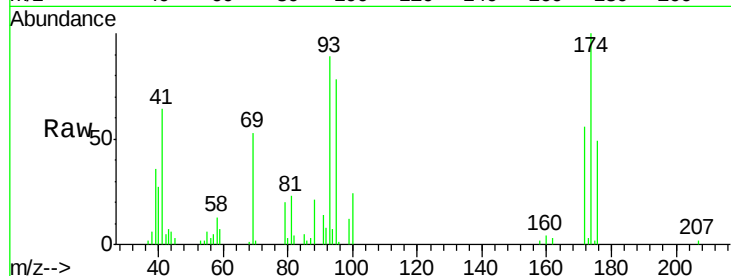
#49
1,4-Dioxane
Concen: 359.537 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	5231
Ion	Ratio	Lower	Upper
88	100		
43	39.2	28.1	42.1
58	71.6	55.7	83.5

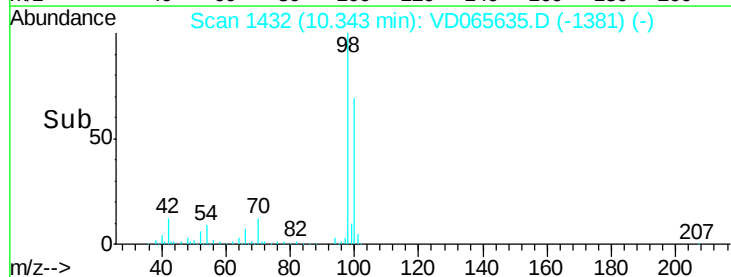
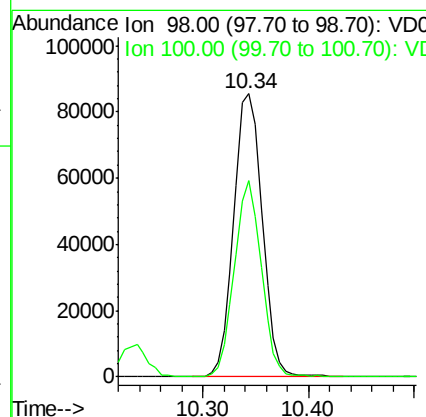
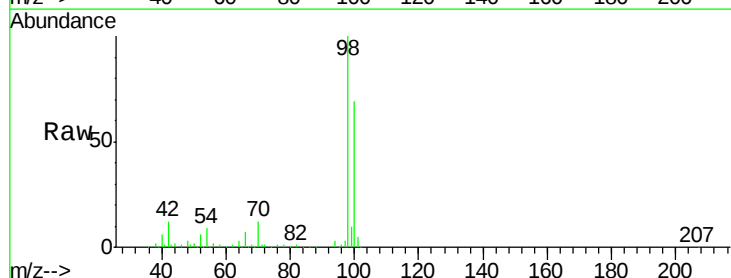
Manual Integrations
APPROVED

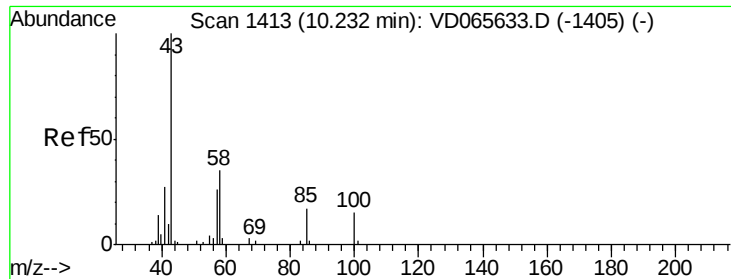
MMDadoda
4/16/2020 3:13:34 PM



#50
Toluene-d8
Concen: 18.397 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	98	Resp	160113
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 89.491 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 114453

Ion Ratio Lower Upper

43 100

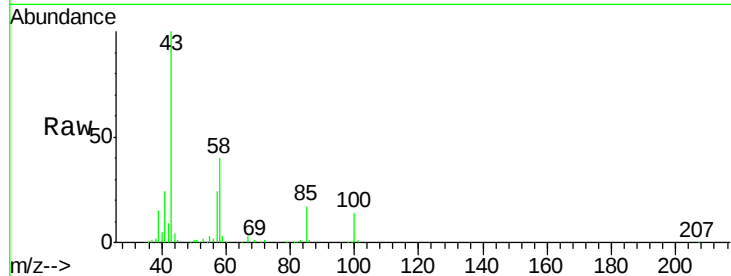
58 38.9 31.1 46.7

Manual Integrations

APPROVED

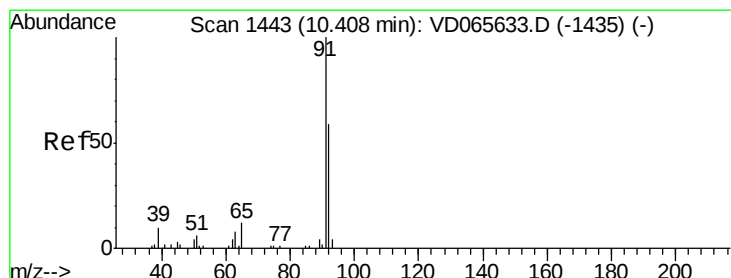
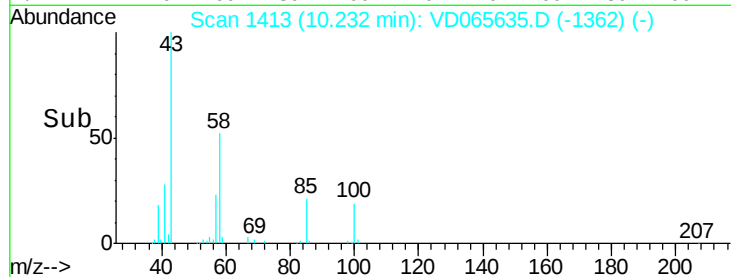
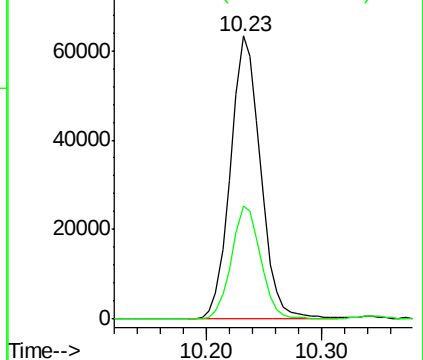
MMDadoda

4/16/2020 3:13:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 18.964 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065635.D

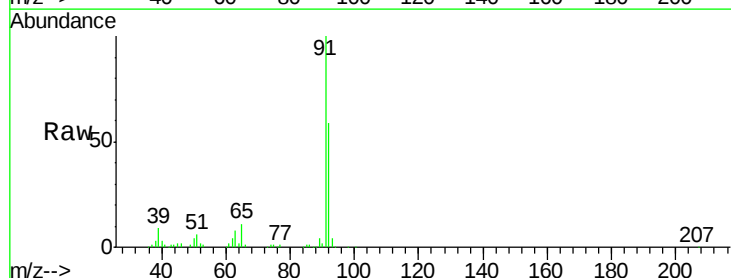
Acq: 15 Apr 2020 15:04

Tgt Ion: 92 Resp: 120900

Ion Ratio Lower Upper

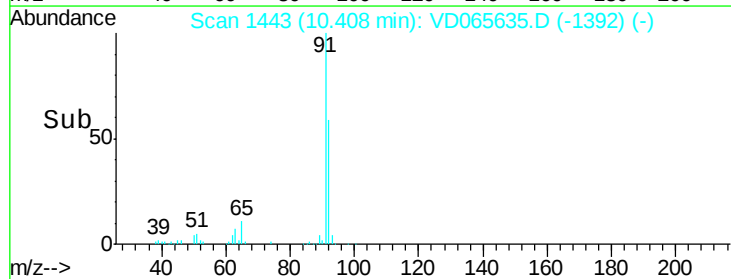
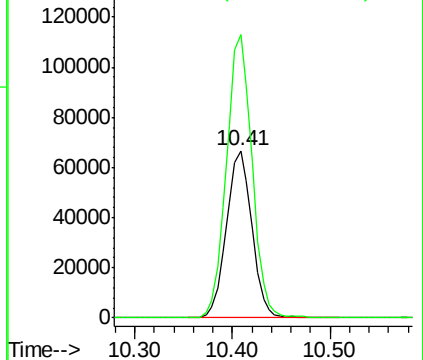
92 100

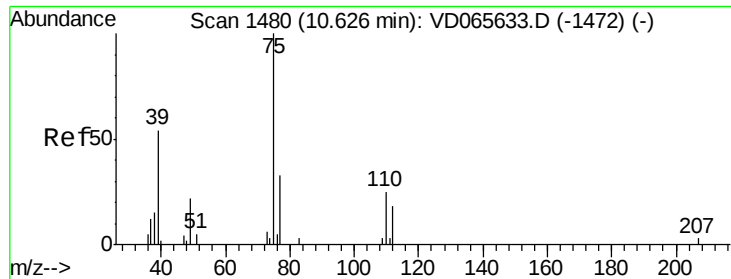
91 170.2 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





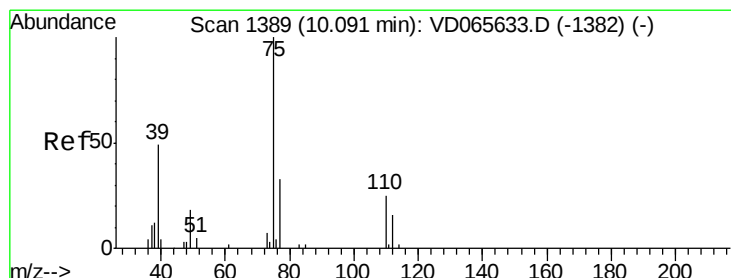
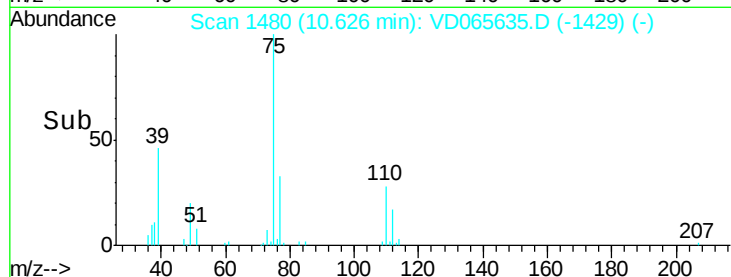
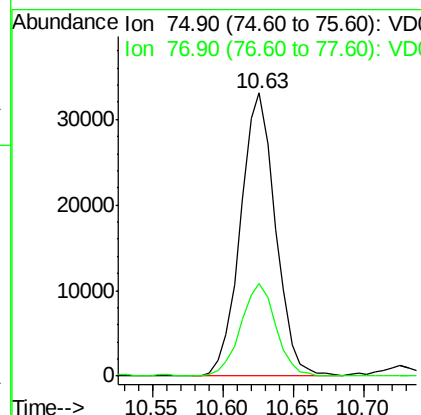
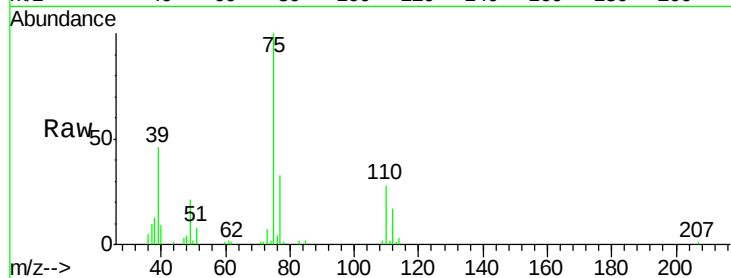
#53
 t-1,3-Dichloropropene
 Concen: 18.344 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.8	37.2

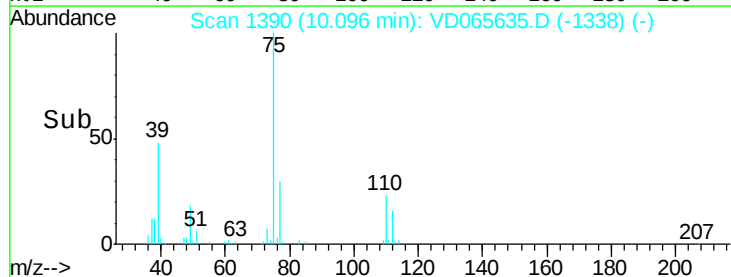
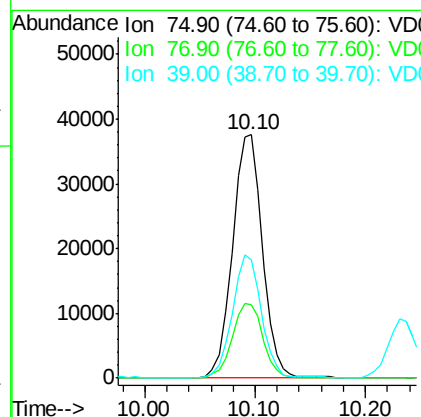
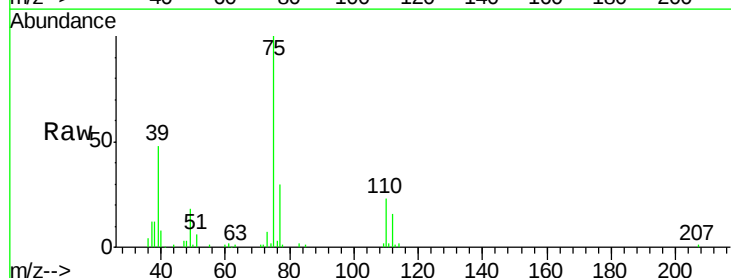
Manual Integrations
 APPROVED

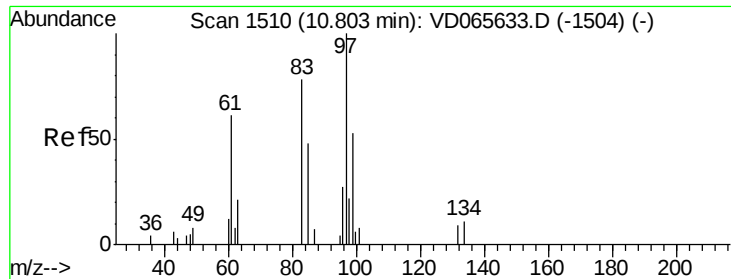
MMDadoda
 4/16/2020 3:13:34 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.760 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.2	37.8
39	48.5	38.7	58.1





#55

1,1,2-Trichloroethane

Concen: 18.661 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 35262

Ion Ratio Lower Upper

97 100

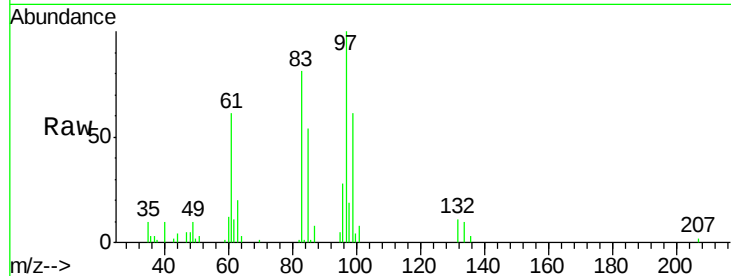
83 81.1 67.4 101.0

85 54.3 43.4 65.0

99 61.3 50.5 75.7

Manual Integrations
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MMDadoda
4/16/2020 3:13:34 PM

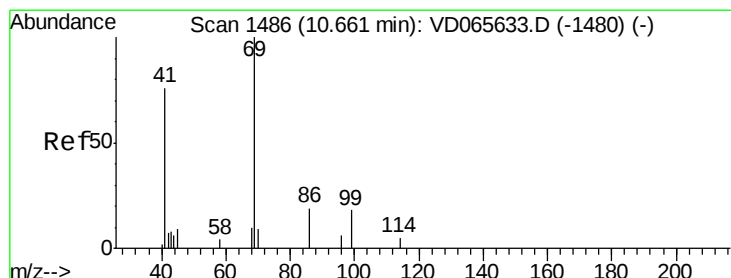
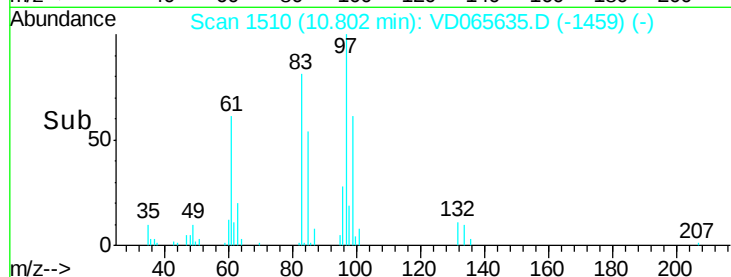
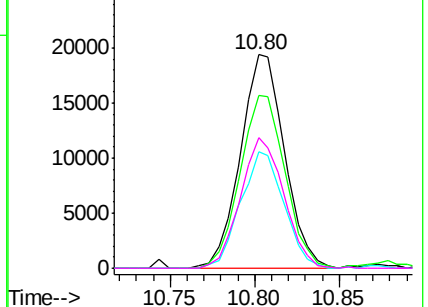


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 18.559 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

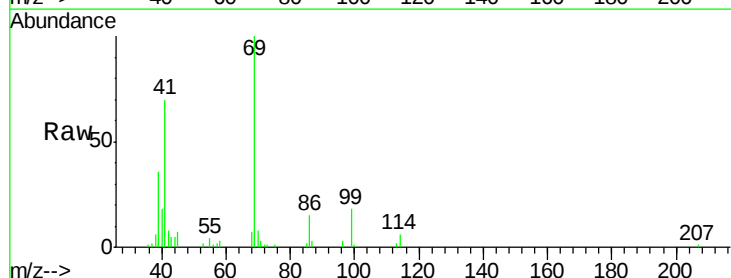
Tgt Ion: 69 Resp: 35516

Ion Ratio Lower Upper

69 100

41 69.6 56.2 84.4

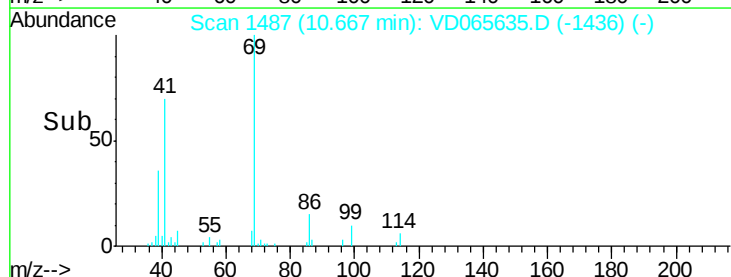
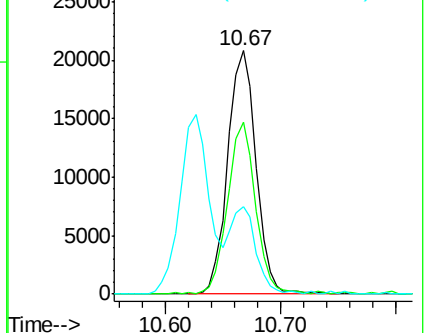
39 32.8 26.6 39.8

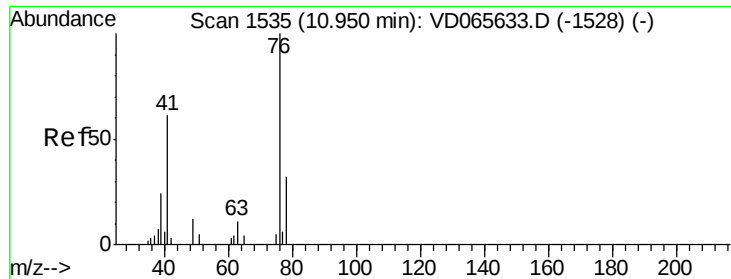


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





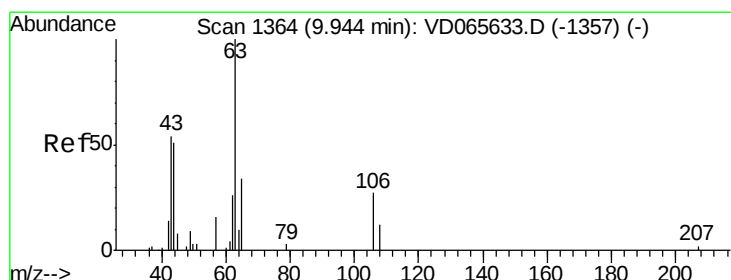
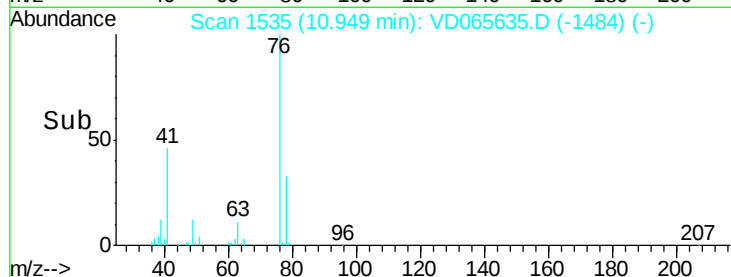
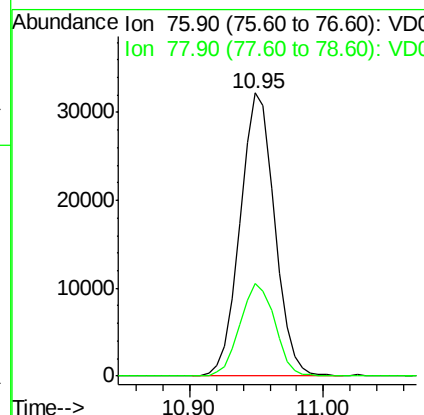
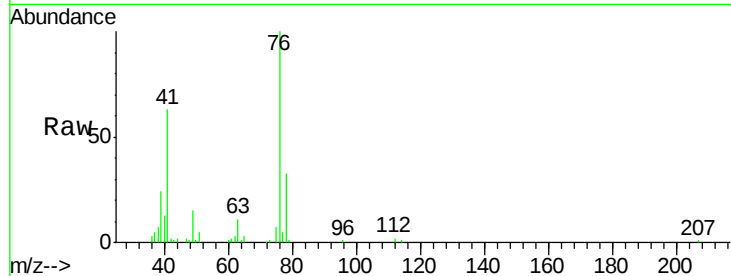
#57
 1,3-Dichloropropane
 Concen: 18.424 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 57647
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.1 39.1

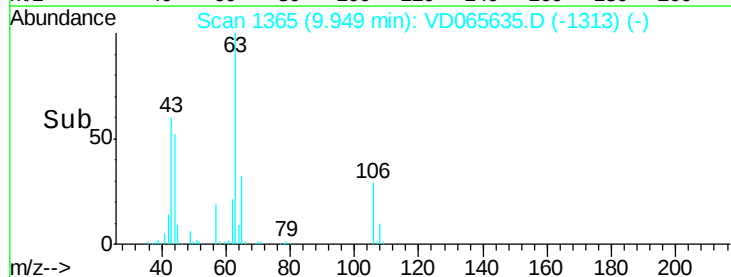
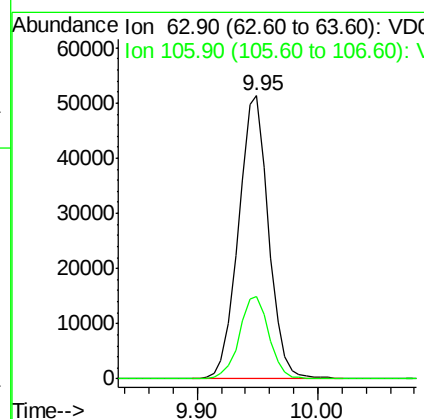
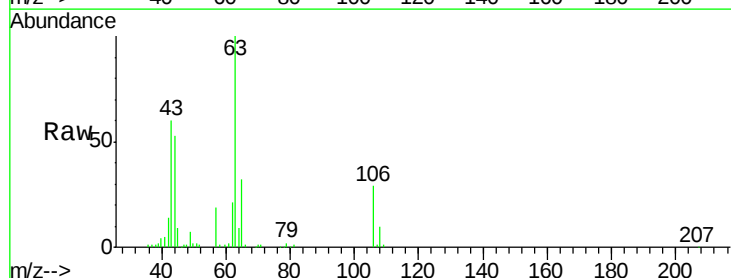
Manual Integrations
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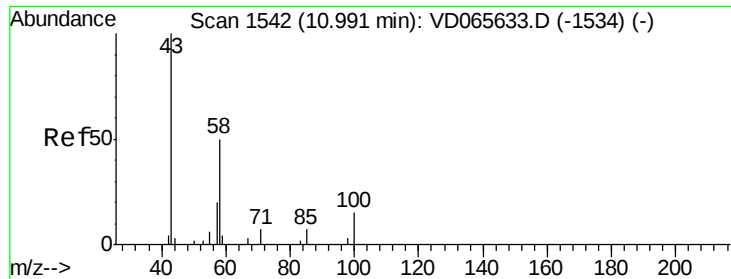
MMDadoda
 4/16/2020 3:13:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.636 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion: 63 Resp: 89296
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.8 35.6





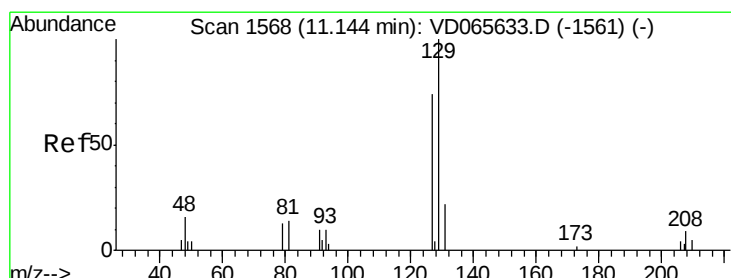
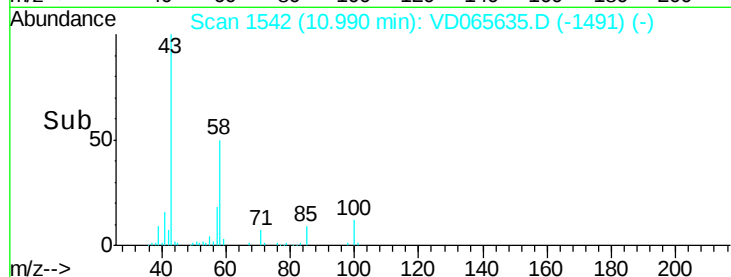
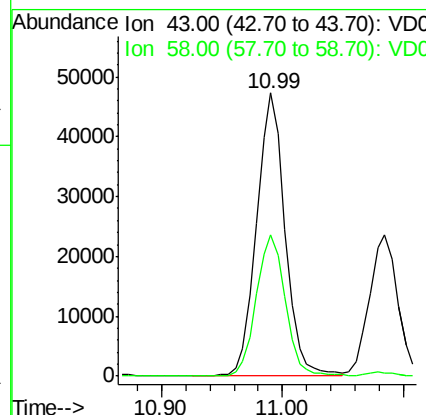
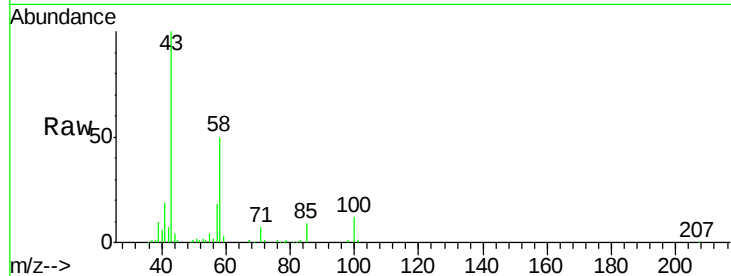
#59
2-Hexanone
Concen: 91.100 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 77786
Ion Ratio Lower Upper
43 100
58 50.9 26.5 79.4

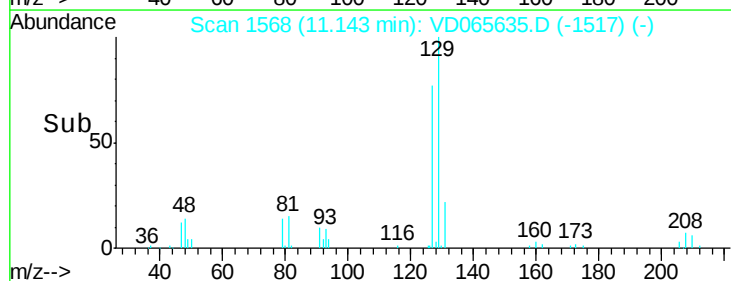
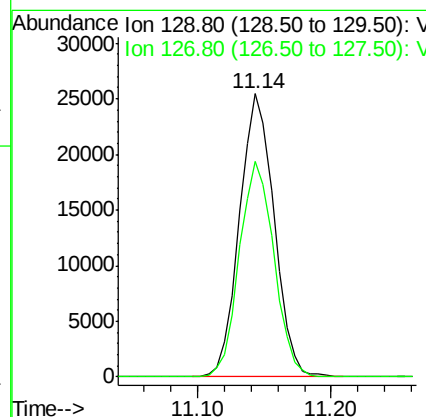
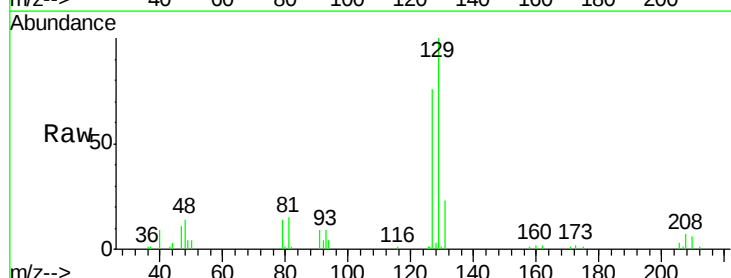
Manual Integrations
APPROVED

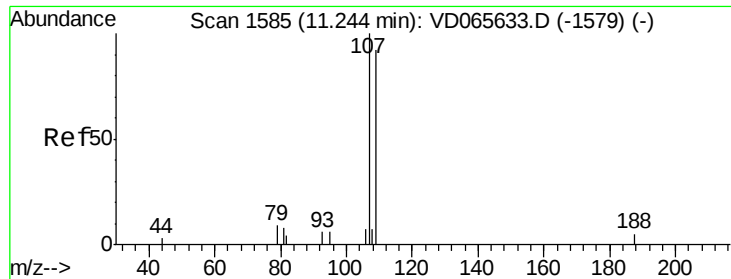
MMDadoda
4/16/2020 3:13:34 PM



#60
Dibromochloromethane
Concen: 18.310 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 129 Resp: 45675
Ion Ratio Lower Upper
129 100
127 76.0 38.8 116.3





#61

1,2-Dibromoethane

Concen: 18.042 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 32423

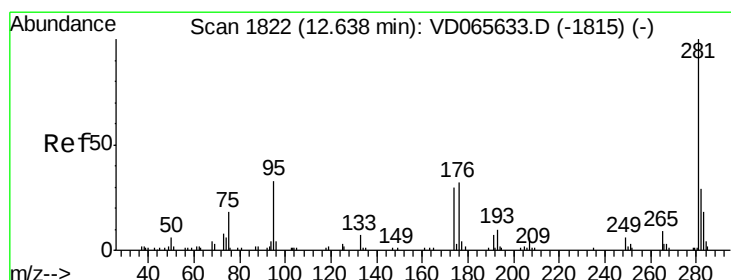
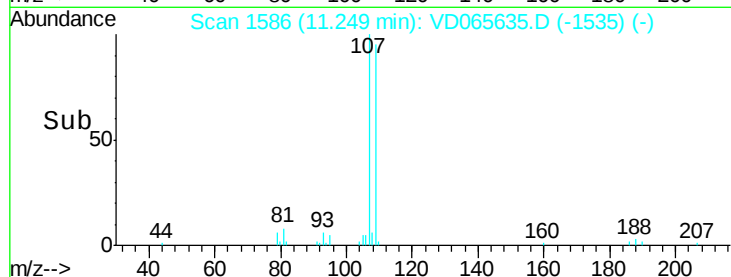
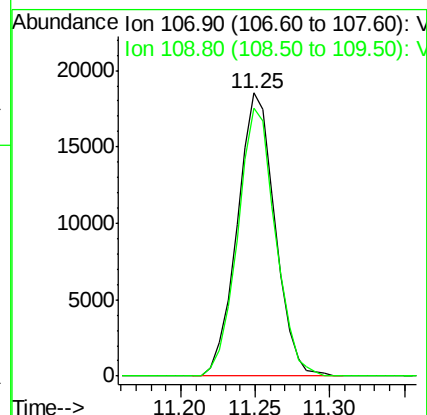
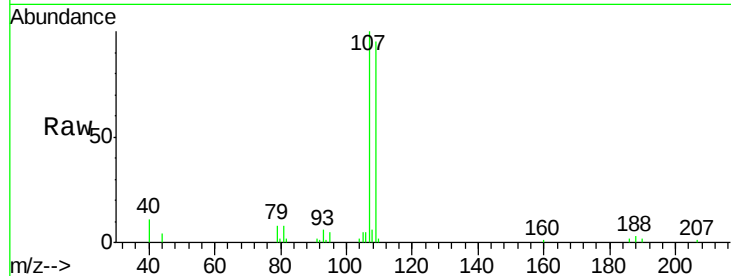
Ion Ratio Lower Upper

107 100

109 94.6 74.6 112.0

Manual Integrations
APPROVED

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4/16/2020 3:13:34 PM



#62

4-Bromofluorobenzene

Concen: 18.496 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

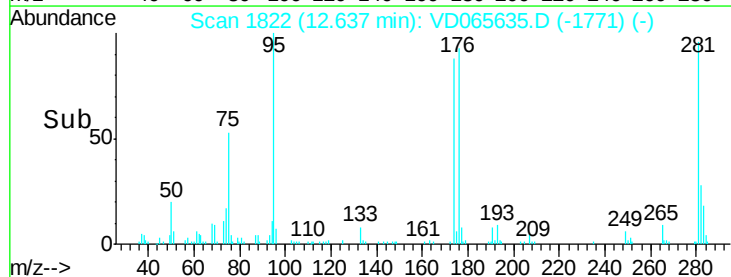
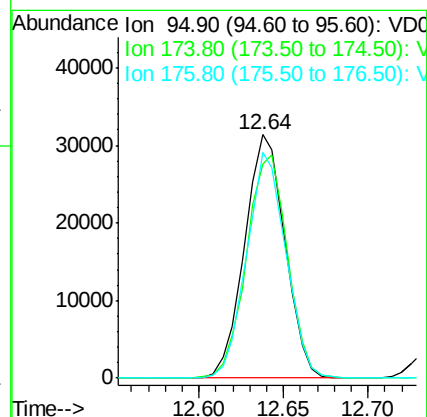
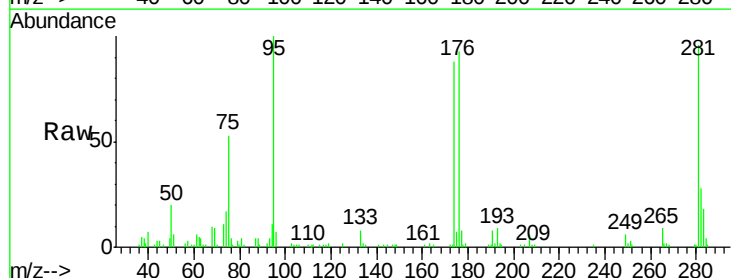
Tgt Ion: 95 Resp: 52235

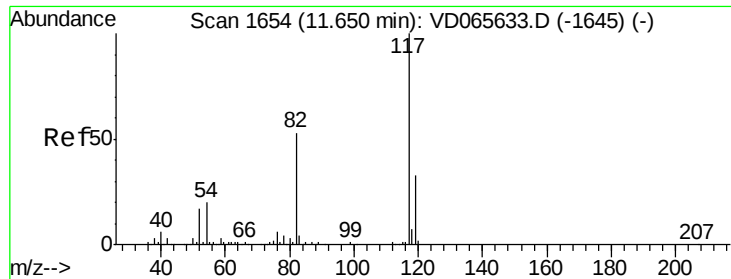
Ion Ratio Lower Upper

95 100

174 92.8 0.0 183.8

176 90.1 0.0 181.4





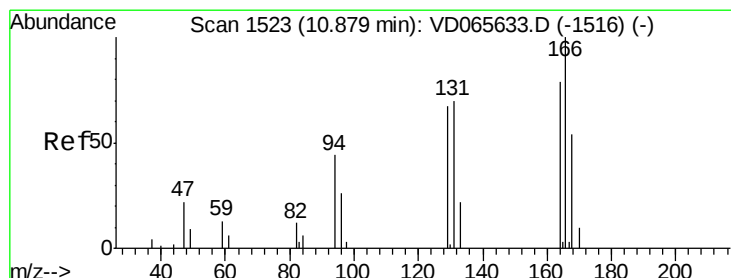
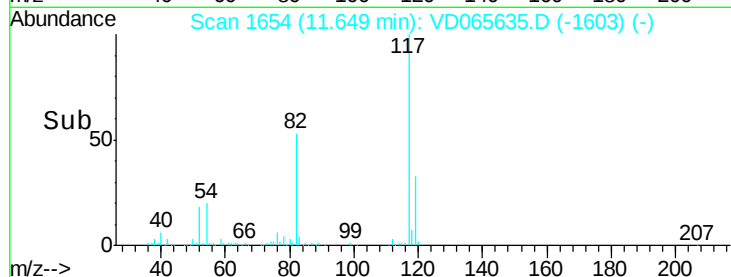
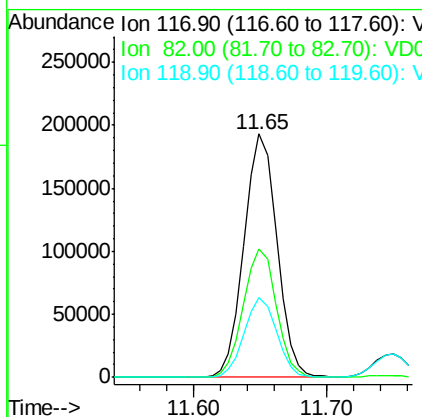
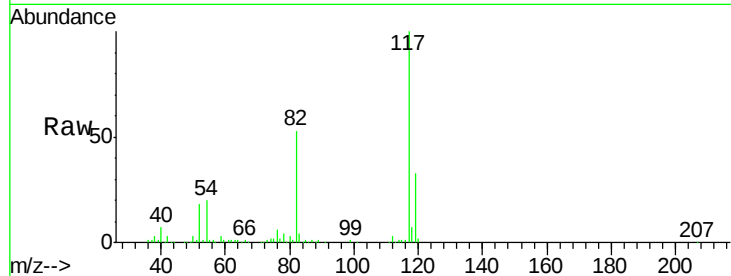
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.2	64.8
119	32.6	26.2	39.4

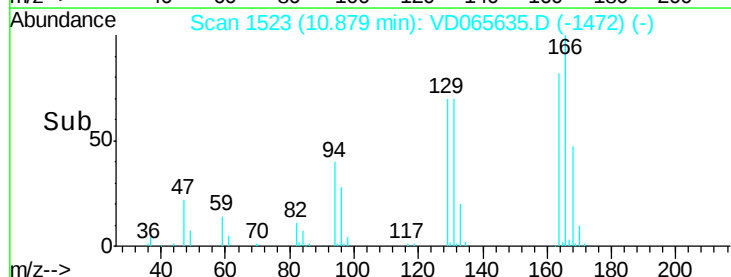
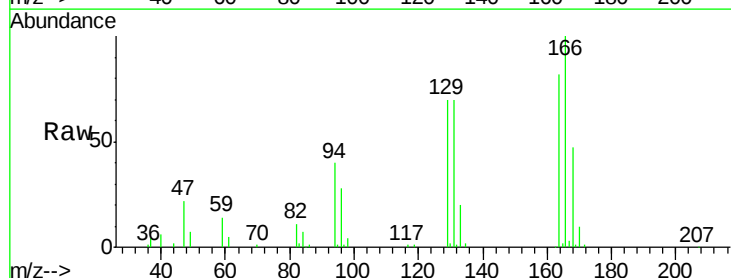
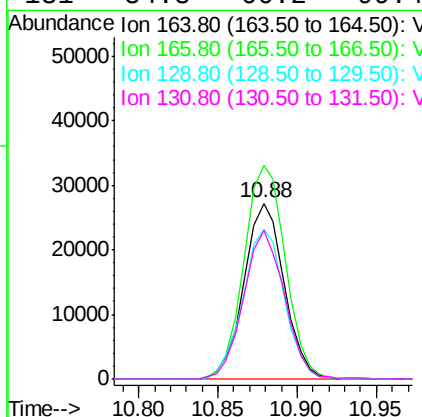
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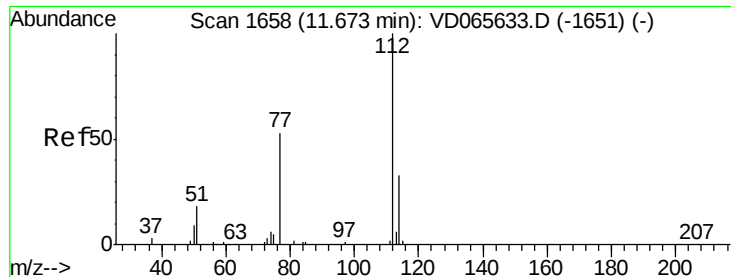
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#64
Tetrachloroethene
Concen: 18.731 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.5	102.3	153.5
129	85.1	71.7	107.5
131	84.8	66.2	99.4





#65

Chlorobenzene

Concen: 18.808 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 131586

Ion Ratio Lower Upper

112 100

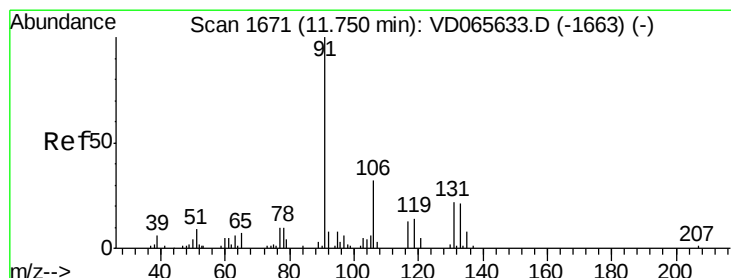
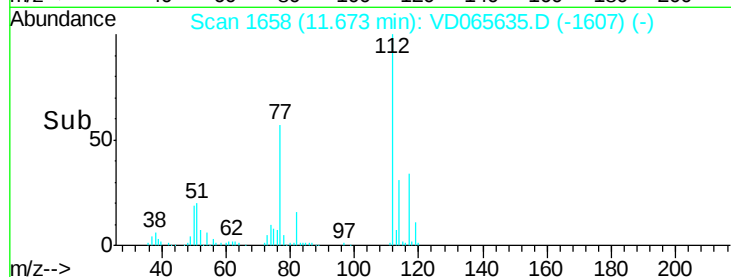
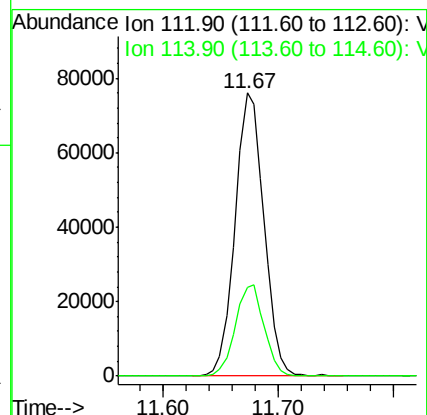
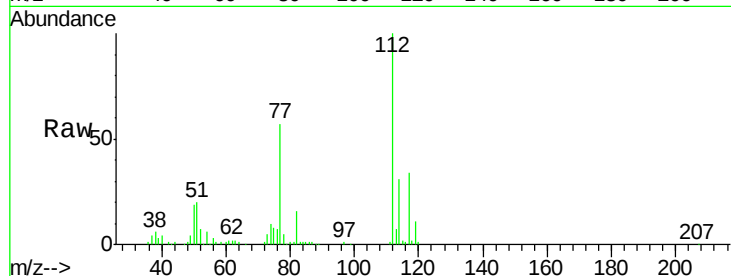
114 31.5 25.3 37.9

Manual Integrations

APPROVED

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4/16/2020 3:13:34 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 18.958 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

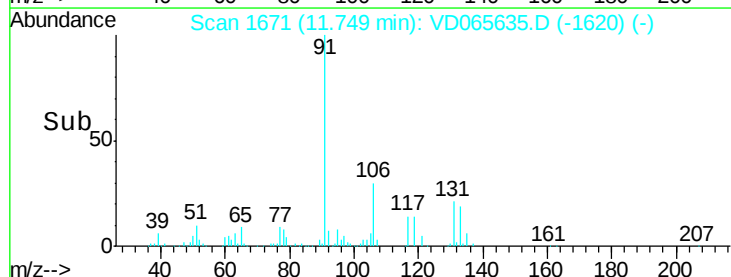
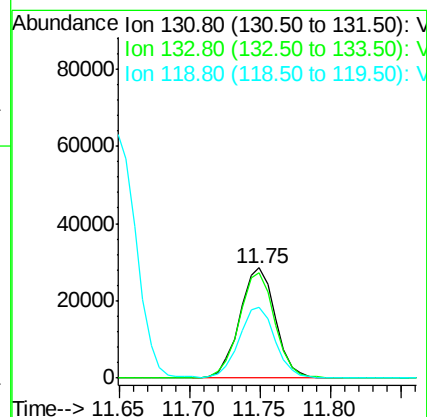
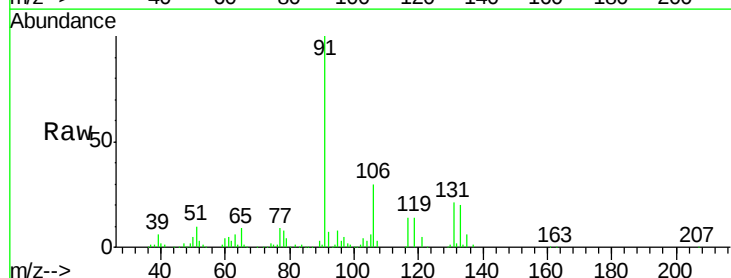
Tgt Ion:131 Resp: 50470

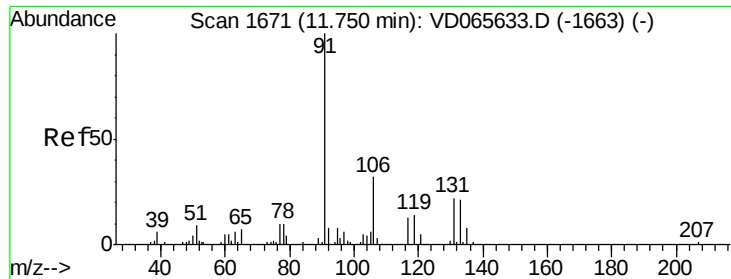
Ion Ratio Lower Upper

131 100

133 94.9 47.7 143.1

119 64.4 32.6 97.7





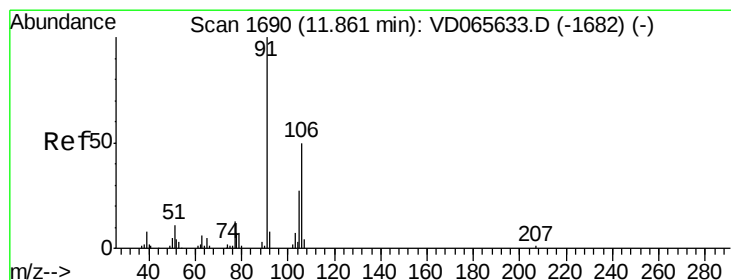
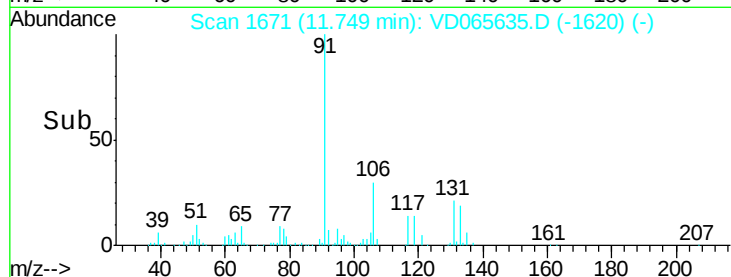
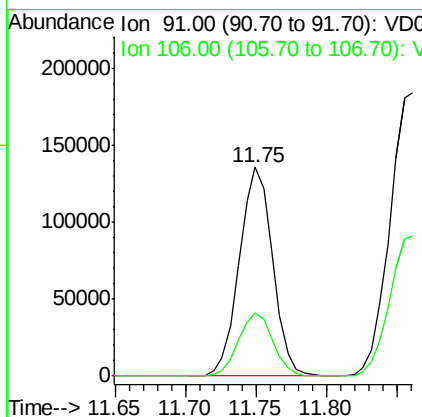
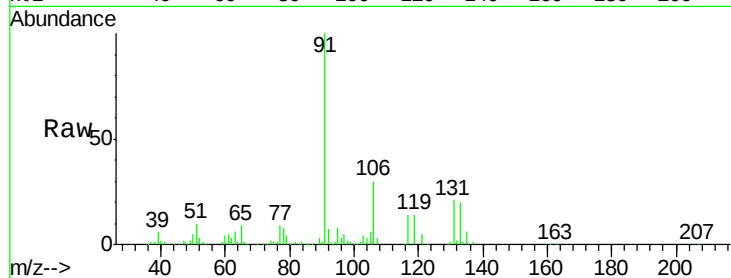
#67
Ethyl Benzene
Concen: 19.533 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 225135
Ion Ratio Lower Upper
91 100
106 30.2 25.1 37.7

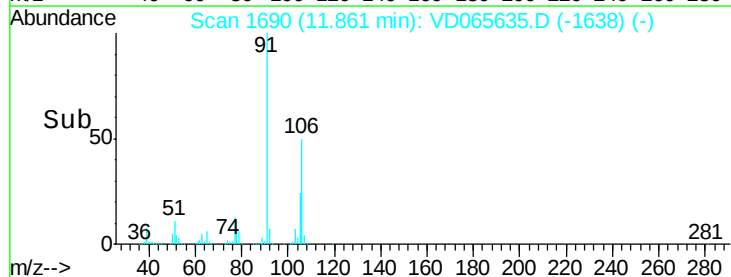
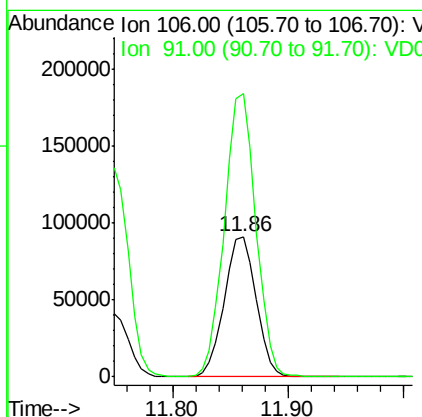
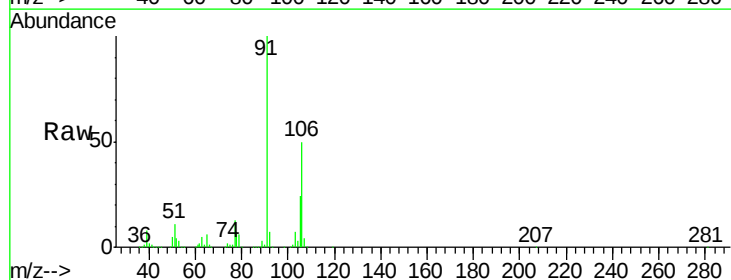
Manual Integrations
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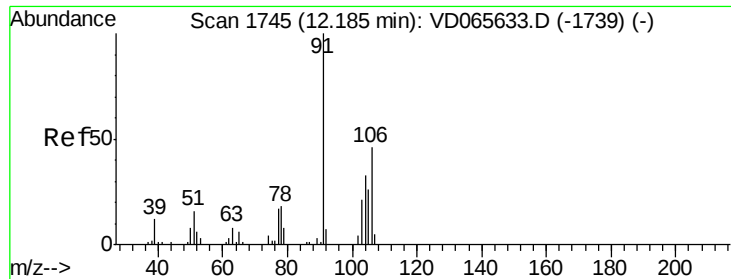
MMDadoda
4/16/2020 3:13:34 PM



#68
m/p-Xylenes
Concen: 38.597 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion: 106 Resp: 174891
Ion Ratio Lower Upper
106 100
91 199.2 157.9 236.9





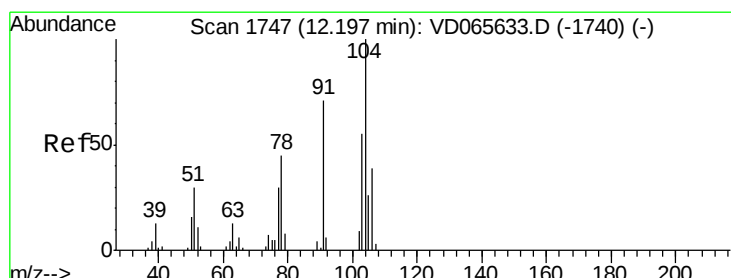
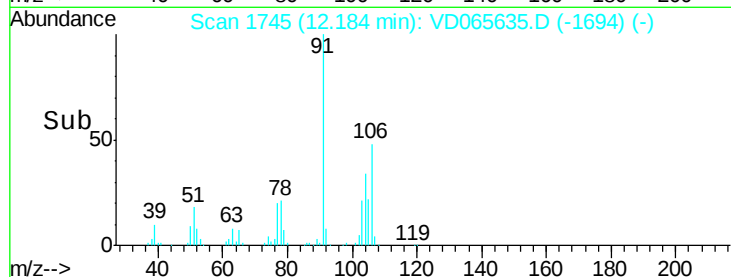
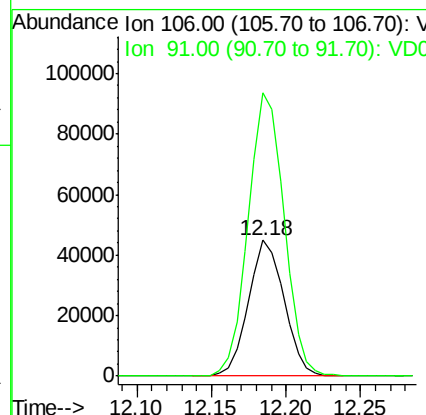
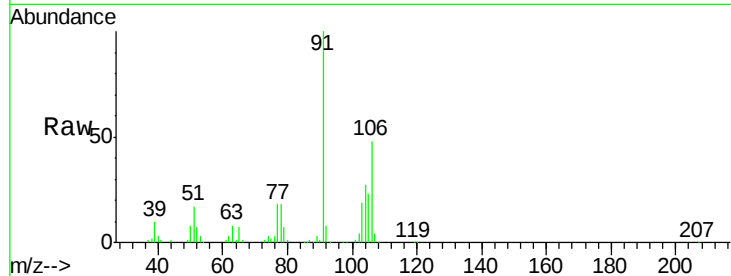
#69
o-Xylene
Concen: 18.937 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 74214
Ion Ratio Lower Upper
106 100
91 210.4 103.6 310.9

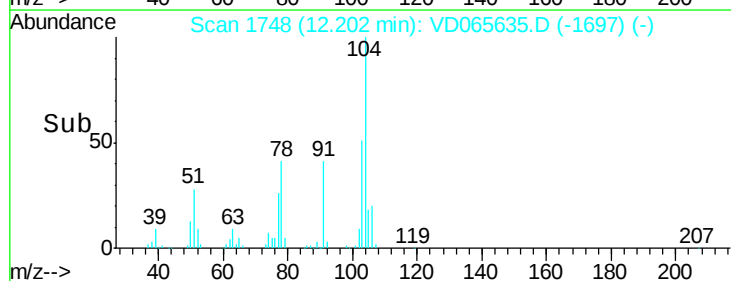
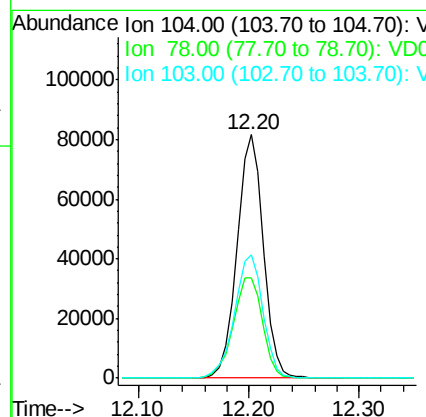
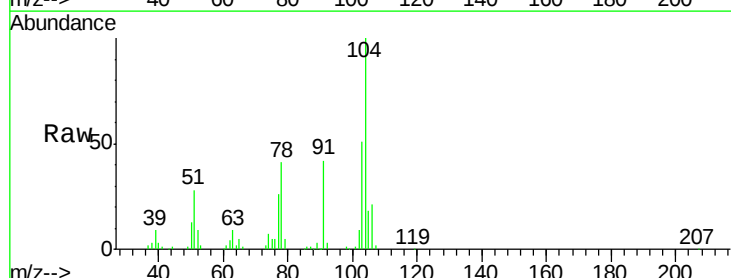
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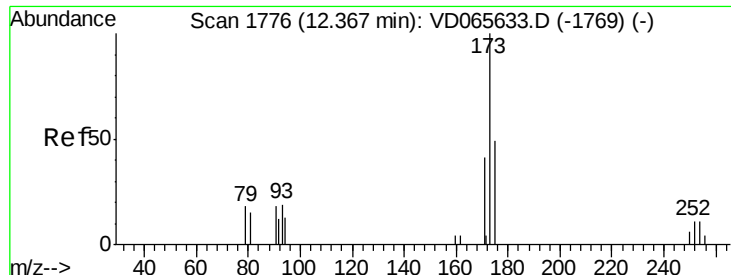
MMDadoda
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#70
Styrene
Concen: 19.705 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion:104 Resp: 136685
Ion Ratio Lower Upper
104 100
78 46.2 37.5 56.3
103 54.8 43.4 65.0





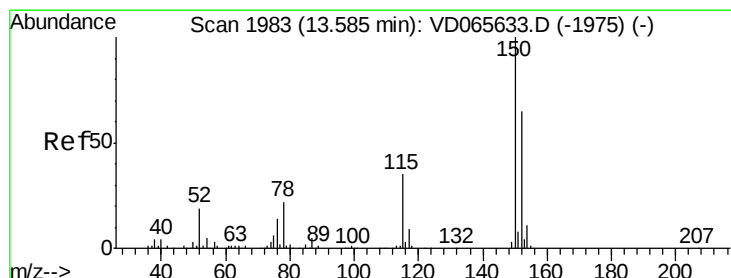
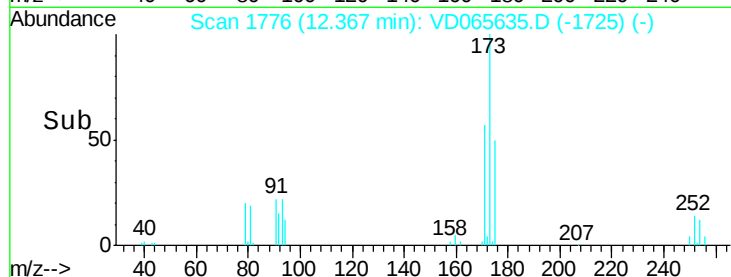
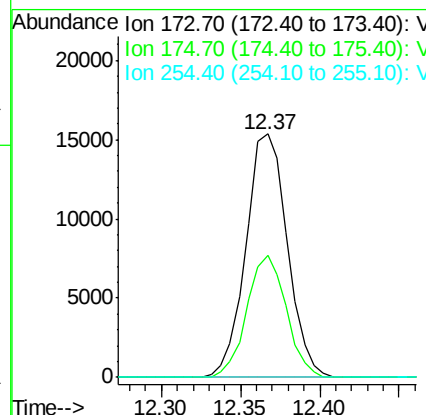
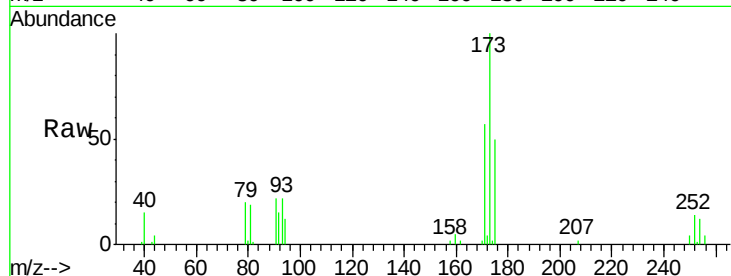
#71
Bromoform
Concen: 18.331 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	25.1	75.2
254	0.0	0.0	0.0

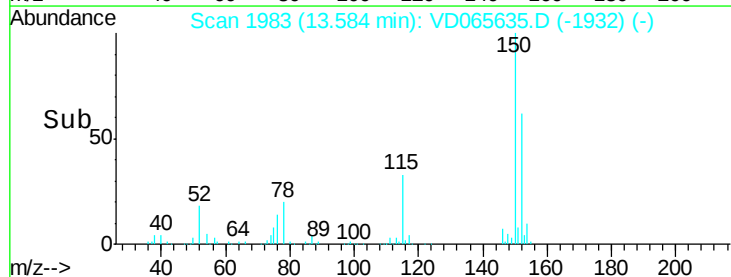
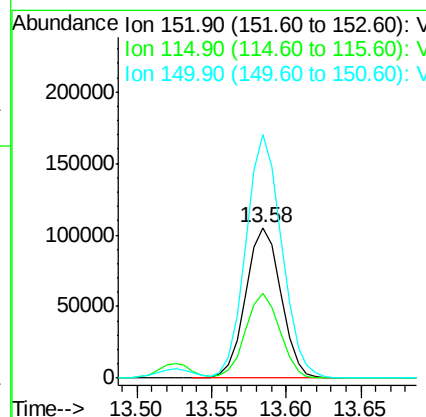
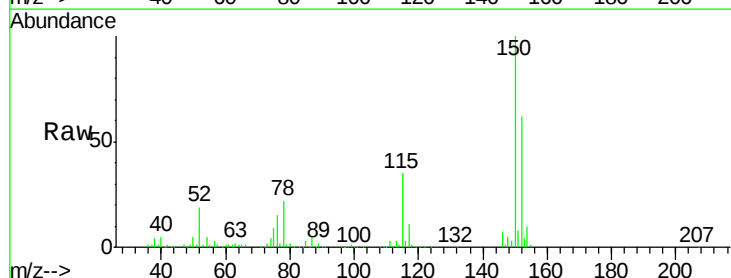
Manual Integrations
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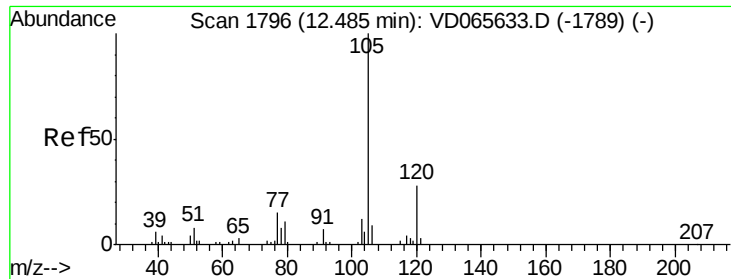
MMDadoda
4/16/2020 3:13:34 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.6	82.7
150	164.9	0.0	346.0





#73

Isopropylbenzene

Concen: 19.376 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 206332

Ion Ratio Lower Upper

105 100

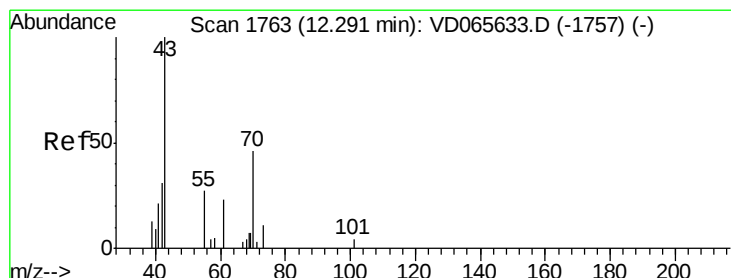
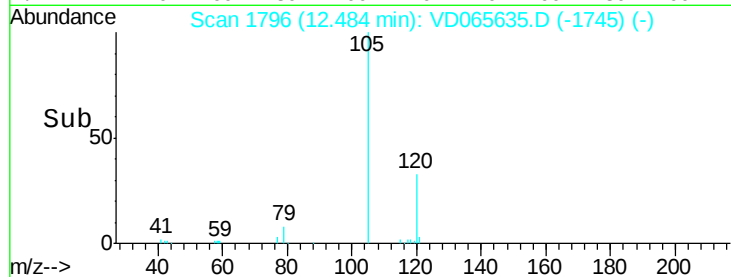
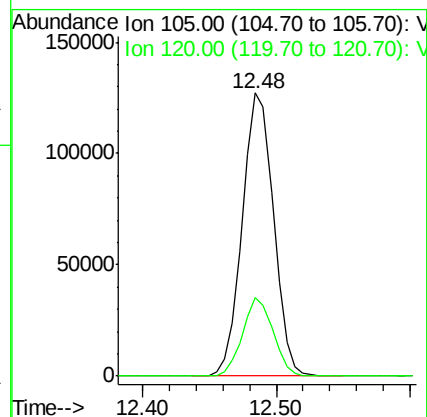
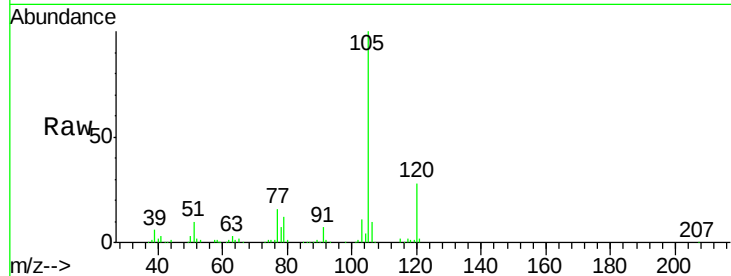
120 27.1 13.4 40.2

Manual Integrations

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4/16/2020 3:13:34 PM



#74

N-ethyl acetate

Concen: 18.398 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Tgt Ion: 43 Resp: 40192

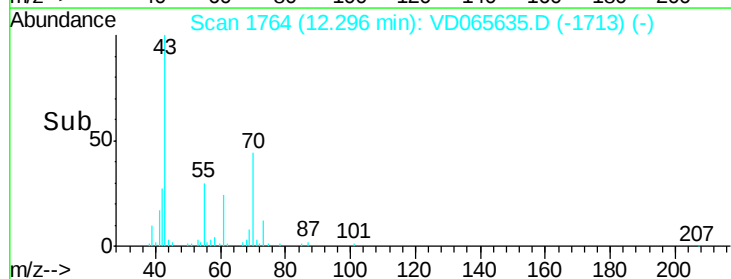
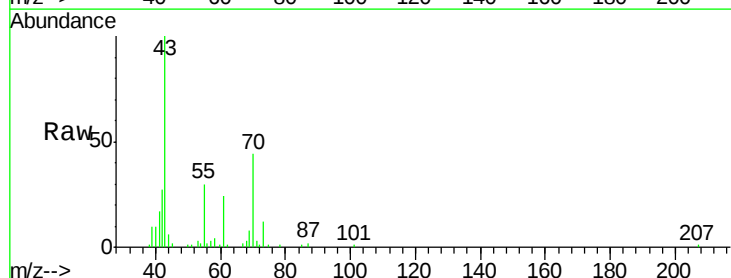
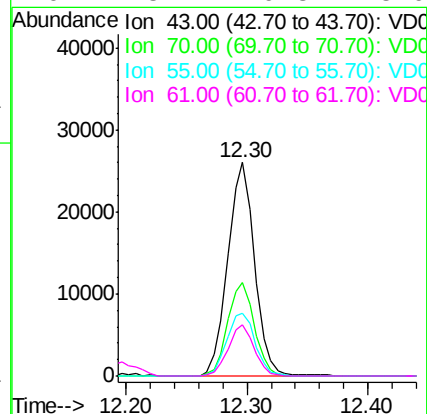
Ion Ratio Lower Upper

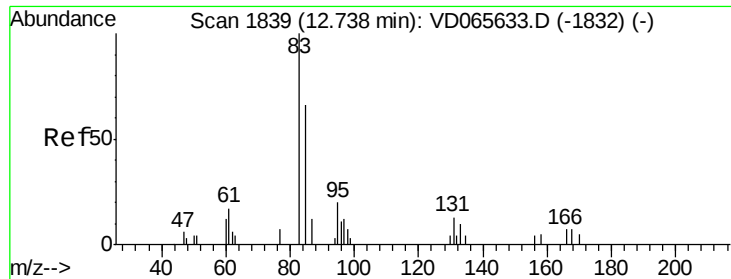
43 100

70 43.3 35.4 53.0

55 30.9 22.2 33.2

61 23.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.009 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

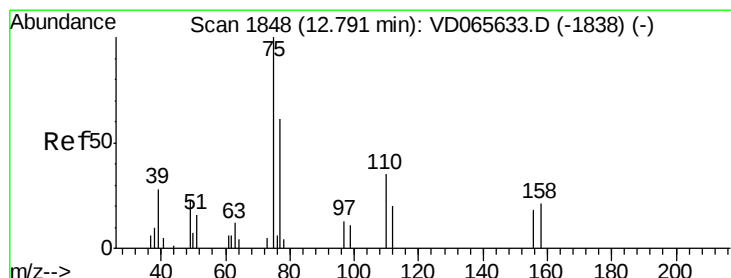
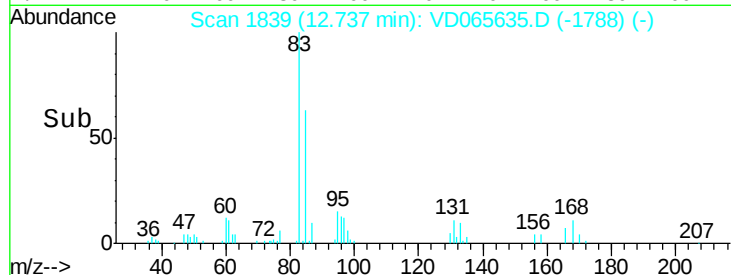
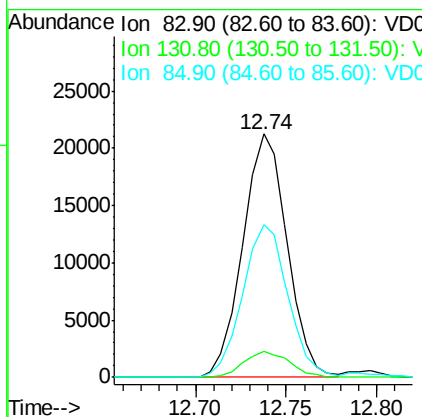
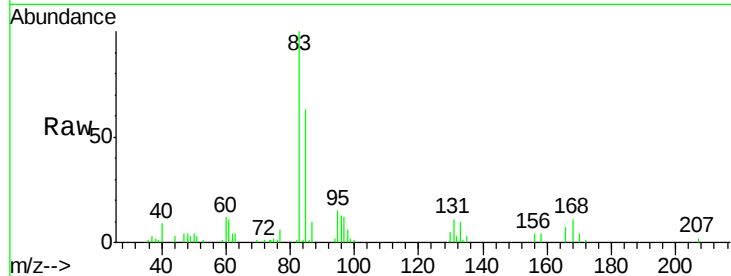
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	36094
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.0
85	64.0	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.590 ug/l m

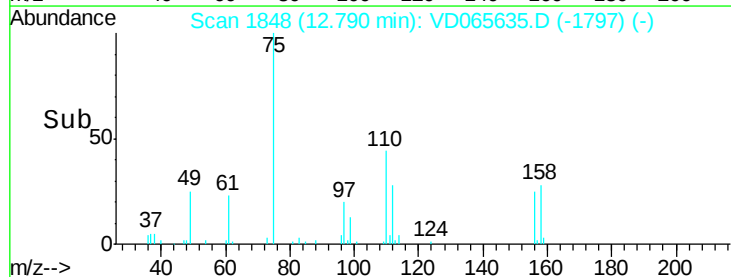
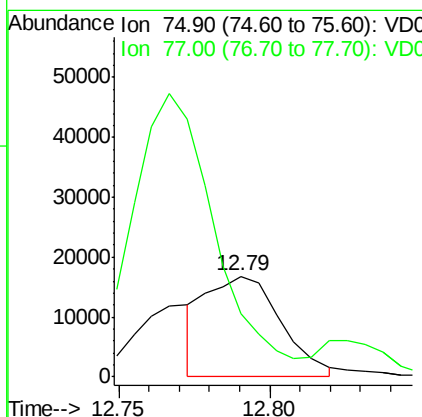
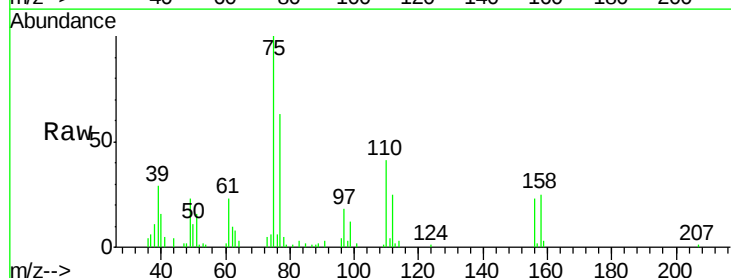
RT: 12.79 min Scan# 1848

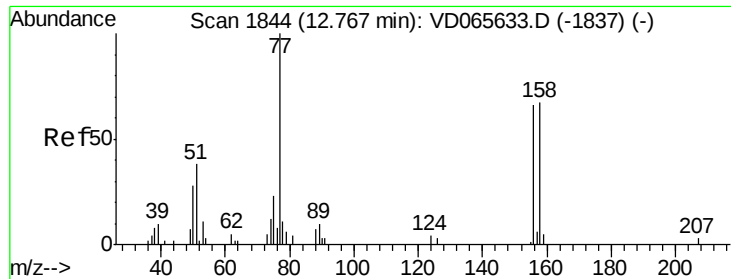
Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Tgt Ion:	75	Resp:	29003
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





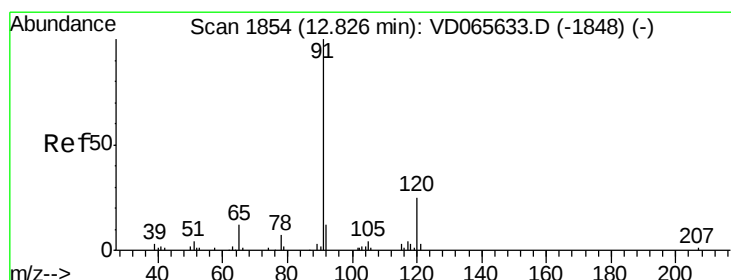
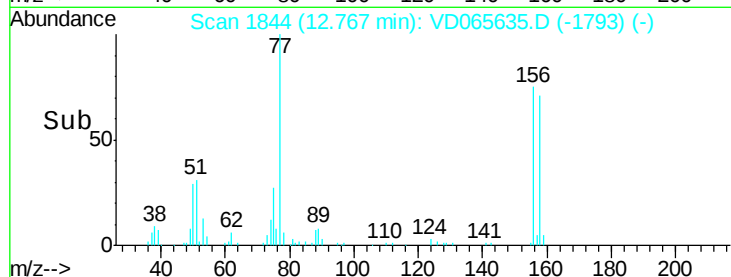
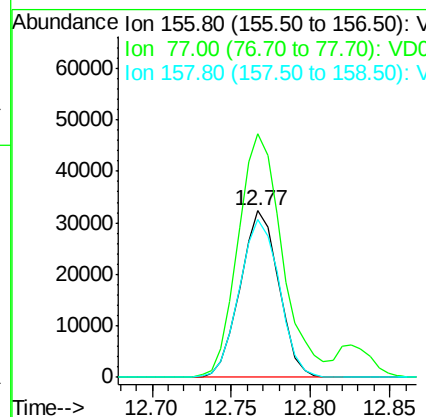
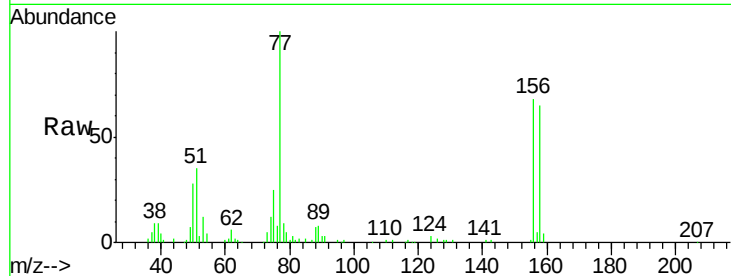
#77
Bromobenzene
Concen: 18.550 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	167.5	84.7	254.1
158	98.4	48.5	145.5

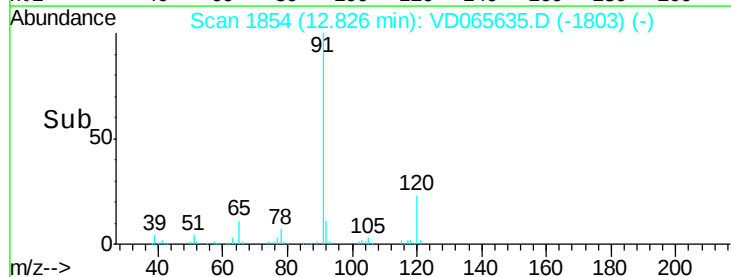
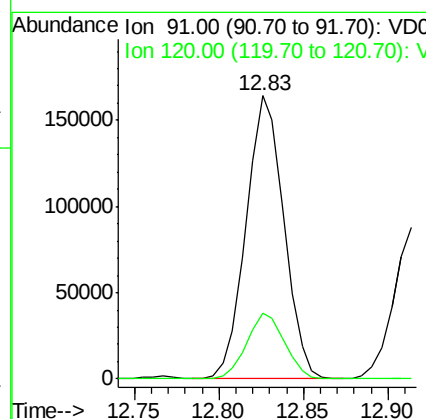
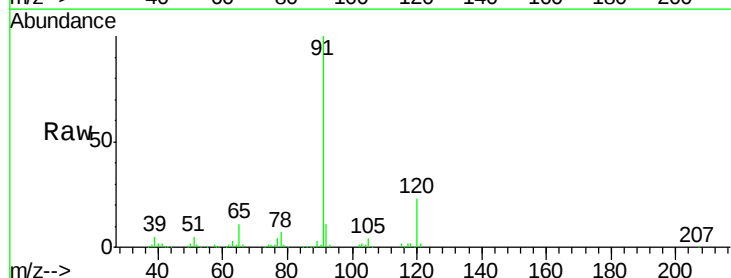
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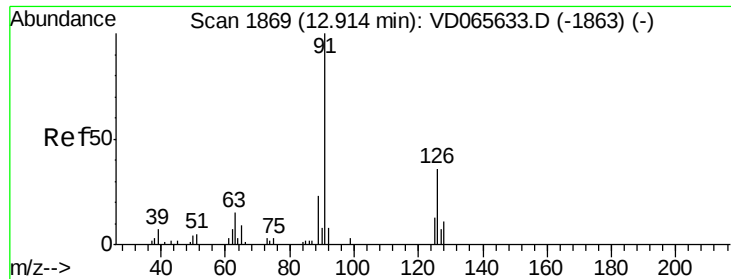
MMDadoda
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#78
n-propylbenzene
Concen: 19.824 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.7	35.1





#79

2-Chlorotoluene

Concen: 19.336 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 142915

Ion Ratio Lower Upper

91 100

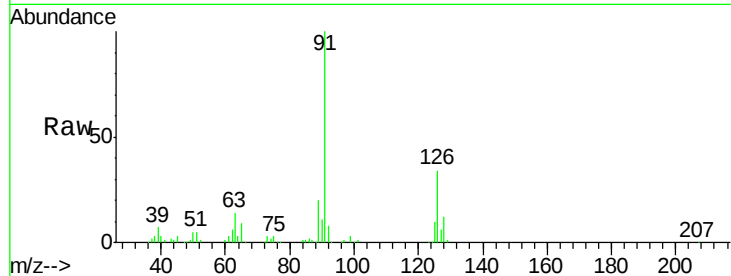
126 35.1 17.8 53.3

Manual Integrations

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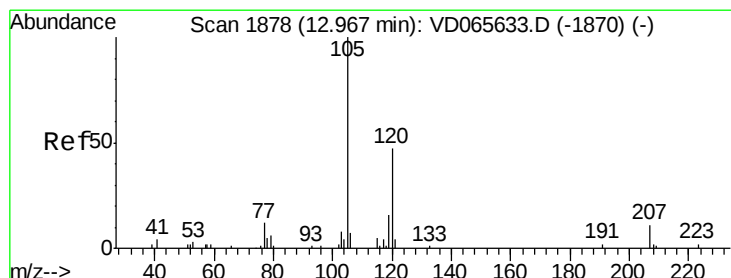
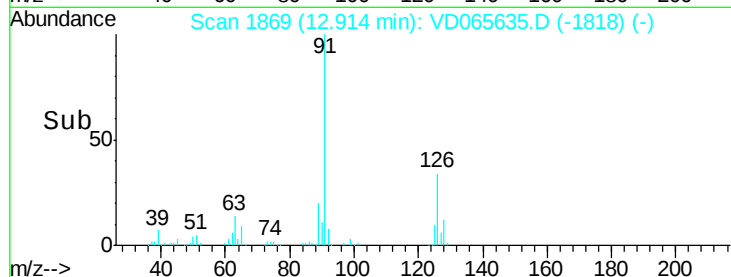
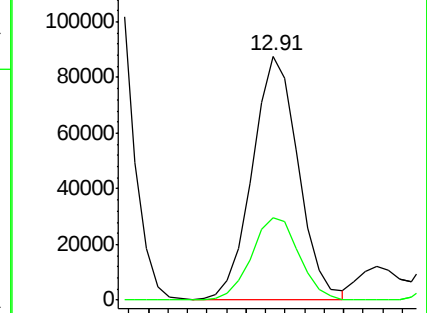
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Abundance Ion 91.00 (90.70 to 91.70): VD065633.D (-1863) (-)

Ion 125.90 (125.60 to 126.60): VD065633.D (-1863) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.663 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065635.D

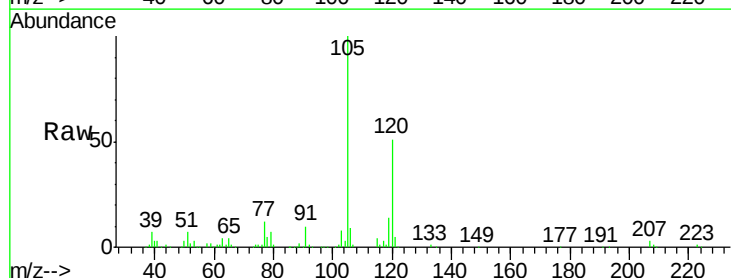
Acq: 15 Apr 2020 15:04

Tgt Ion:105 Resp: 177463

Ion Ratio Lower Upper

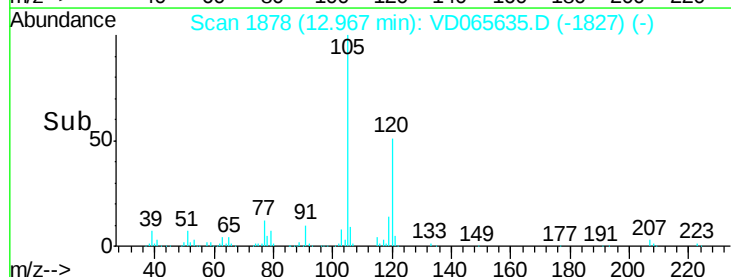
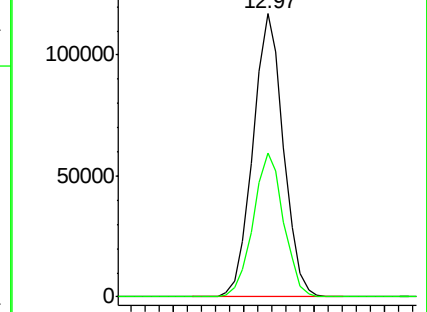
105 100

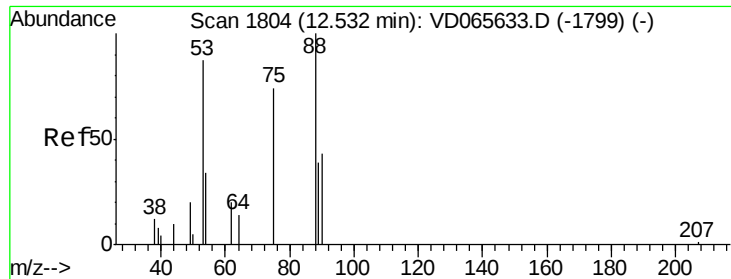
120 50.9 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VD065633.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065633.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.185 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Instrument :

MSVOA_D

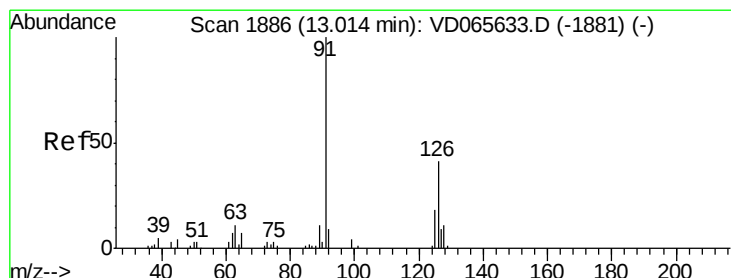
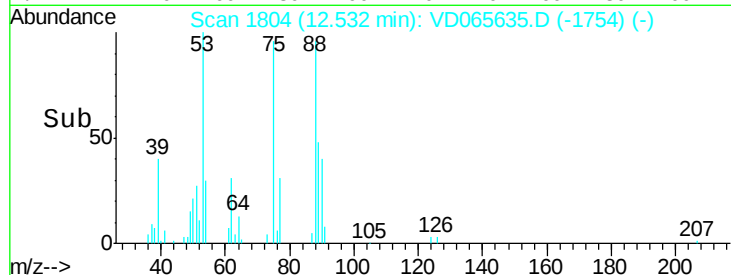
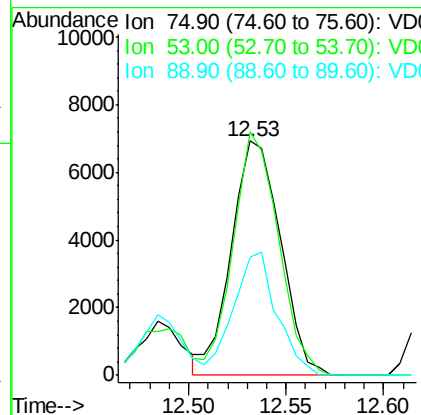
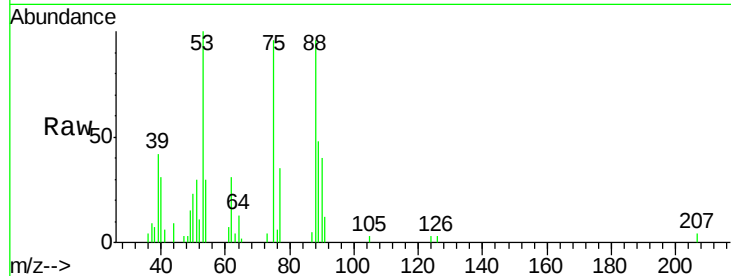
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	12131
Ion	Ratio	Lower	Upper
75	100		
53	94.4	76.8	115.2
89	46.2	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.601 ug/l

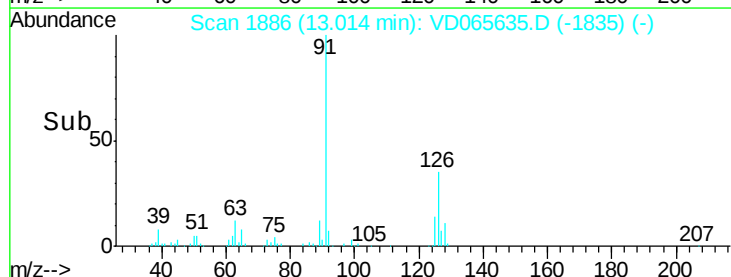
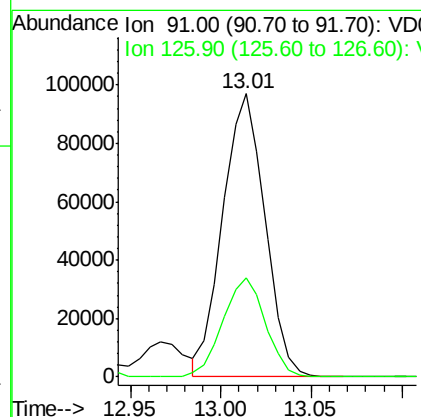
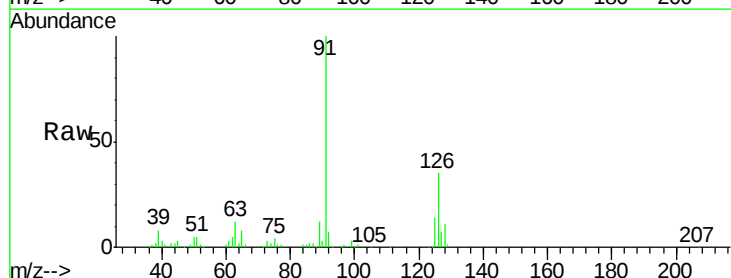
RT: 13.01 min Scan# 1886

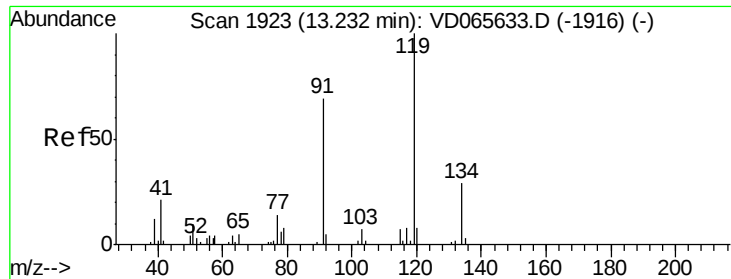
Delta R.T. -0.00 min

Lab File: VD065635.D

Acq: 15 Apr 2020 15:04

Tgt Ion:	91	Resp:	156485
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.6





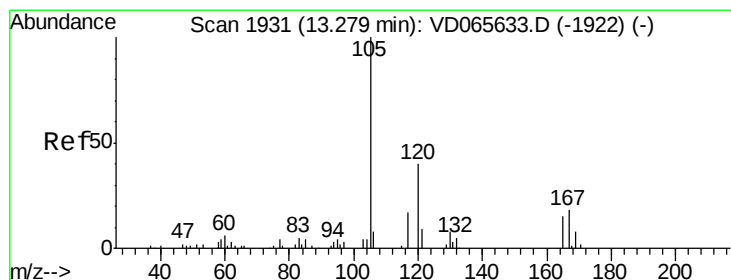
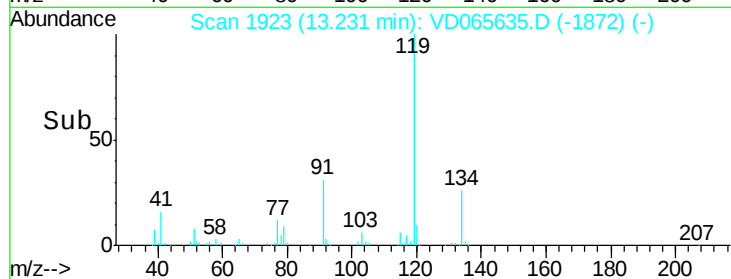
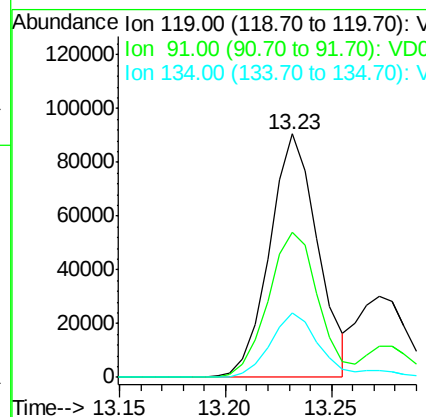
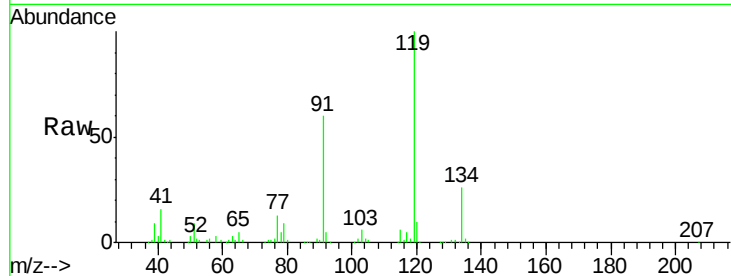
#83
 tert-Butylbenzene
 Concen: 19.233 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.7	95.1
134	28.4	14.0	41.9

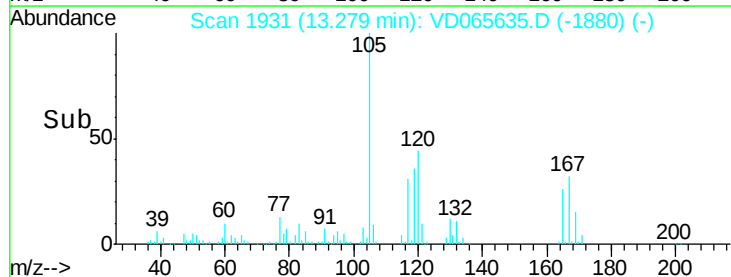
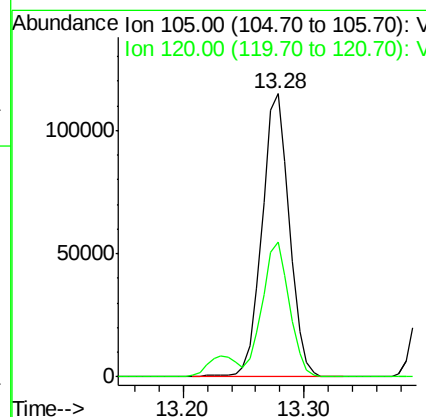
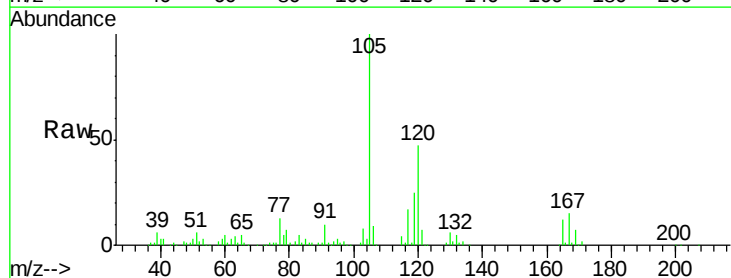
Manual Integrations
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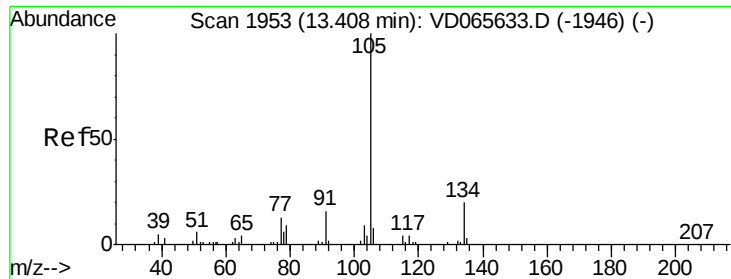
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.175 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.5	70.6





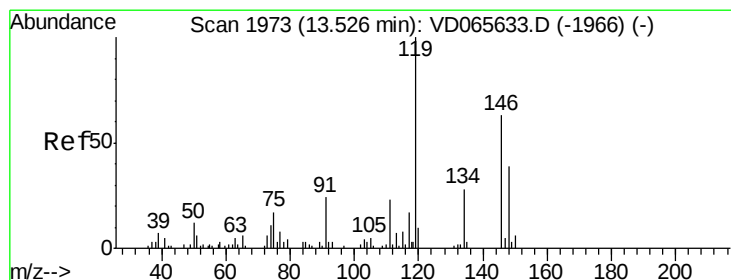
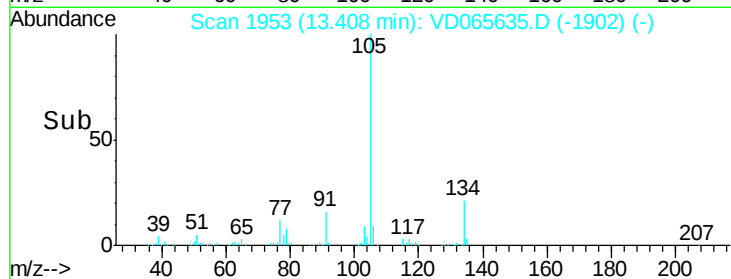
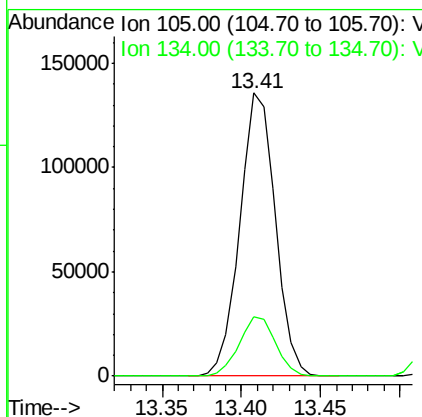
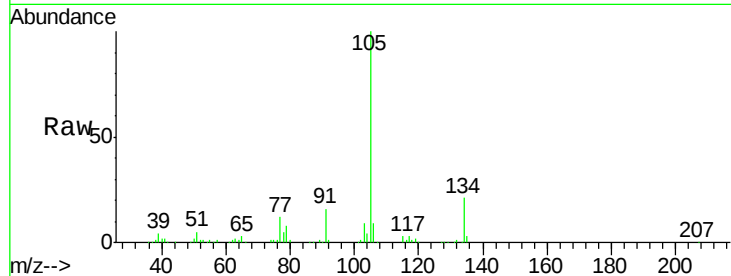
#85
 sec-Butylbenzene
 Concen: 19.700 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.4	31.4

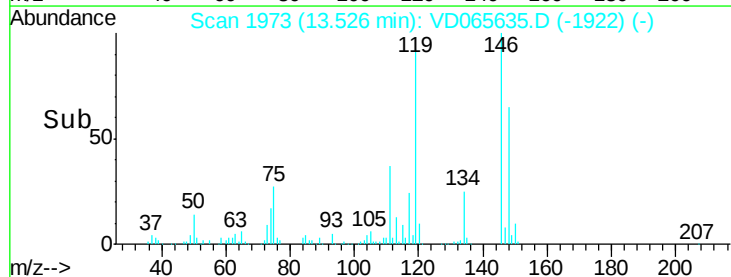
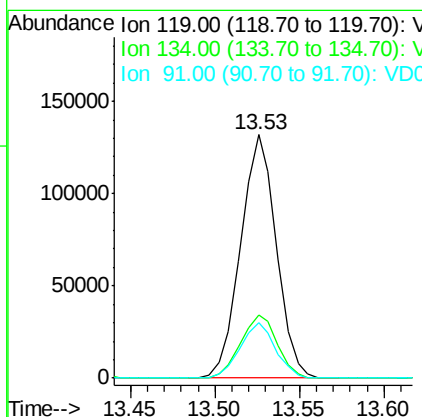
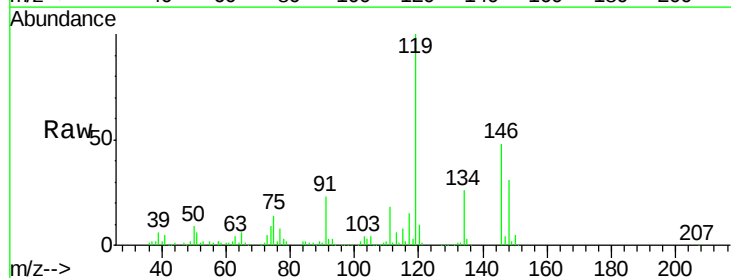
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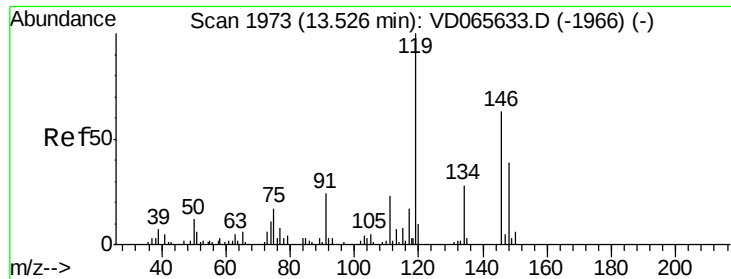
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 19.610 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.1
91	22.5	11.1	33.3





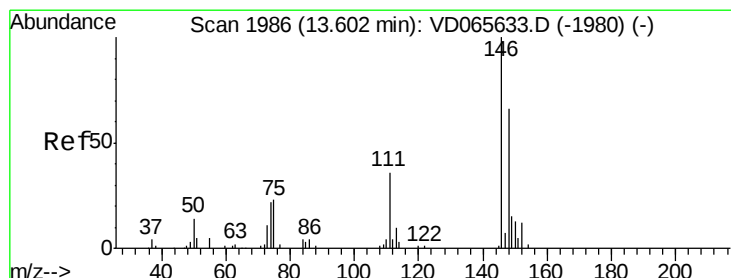
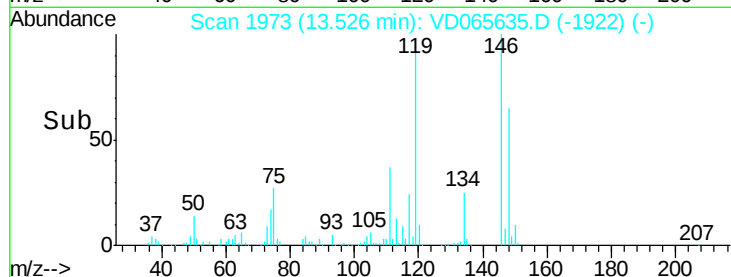
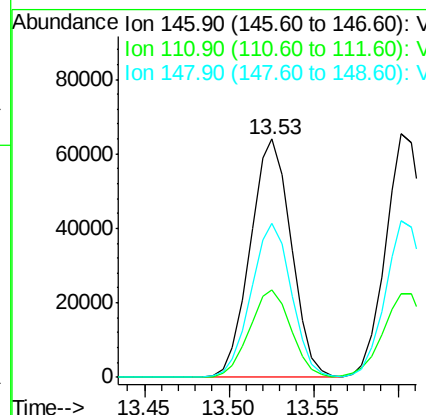
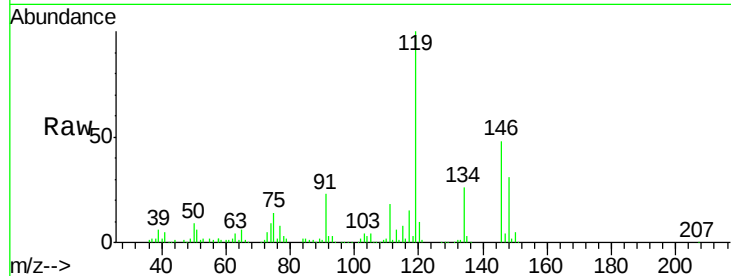
#87
 1,3-Dichlorobenzene
 Concen: 18.965 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	55.6
148	63.8	31.6	94.8

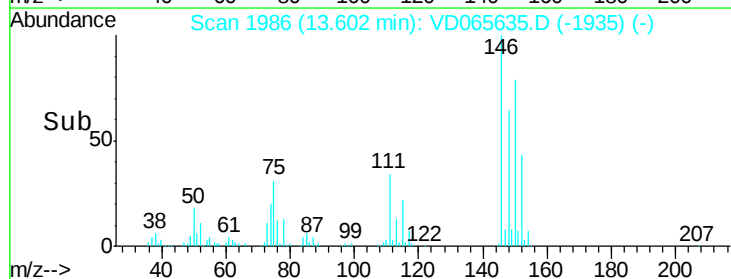
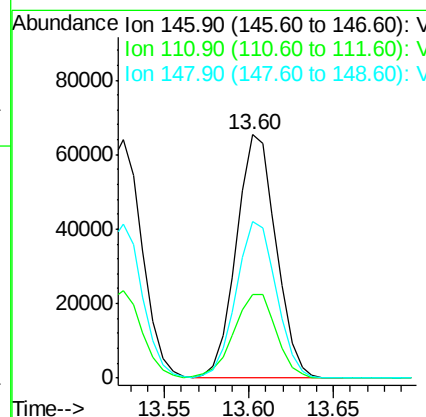
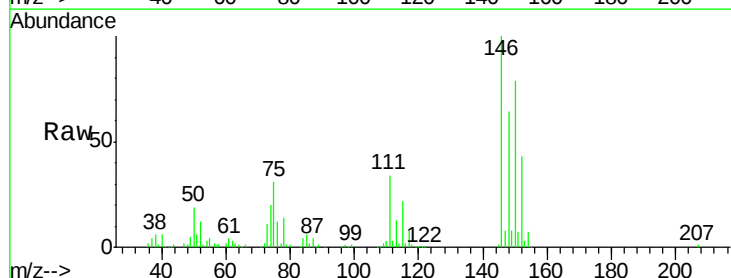
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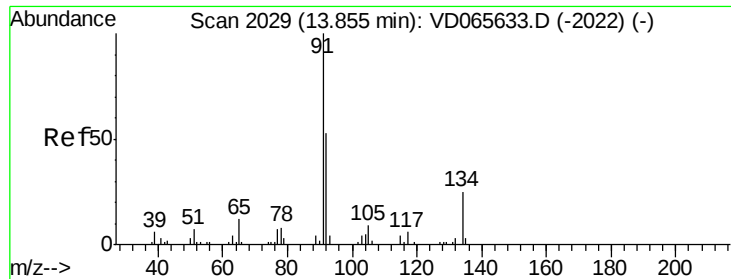
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 18.817 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.0	54.0
148	65.0	31.4	94.2





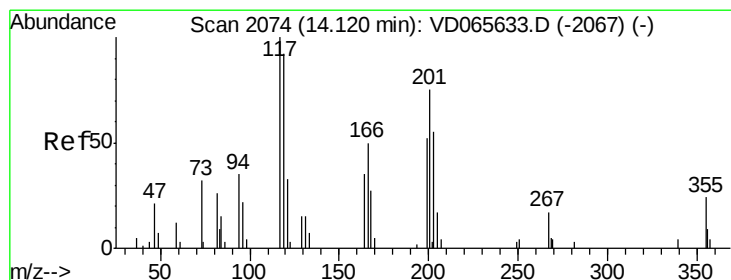
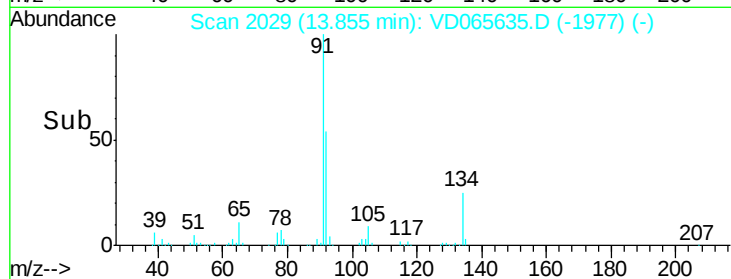
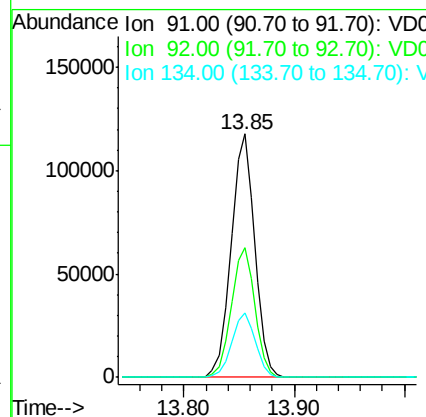
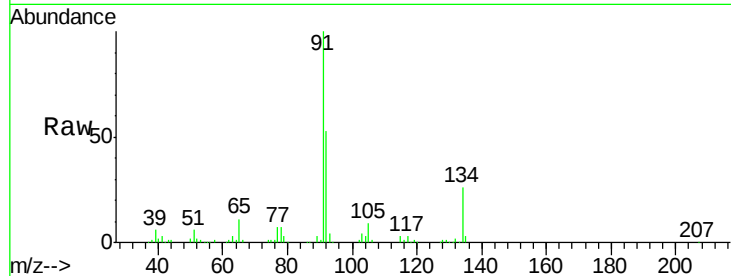
#89
n-Butylbenzene
Concen: 19.673 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.3	26.9	80.6	
134	26.4	13.6	40.8	

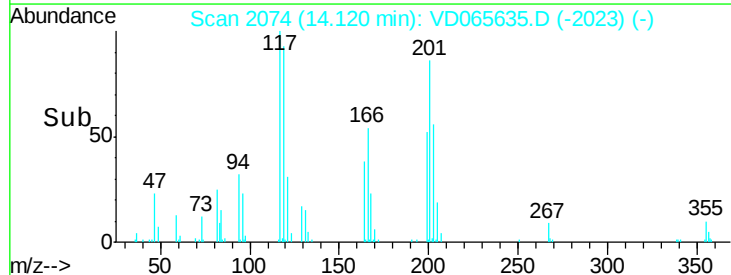
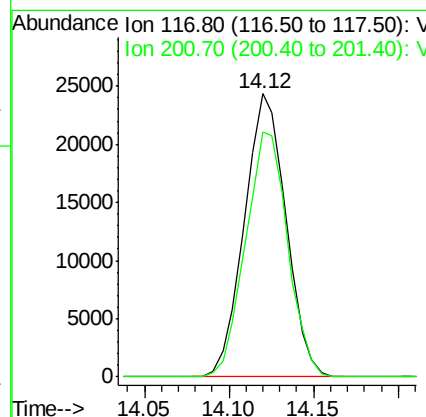
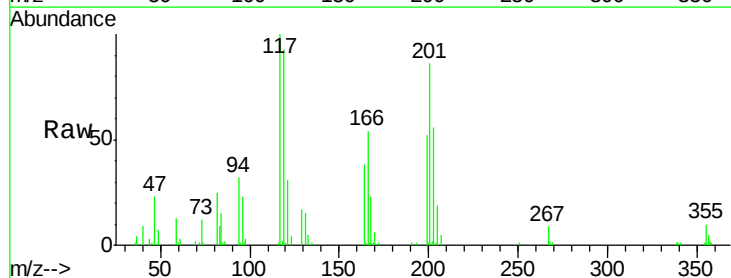
Manual Integrations
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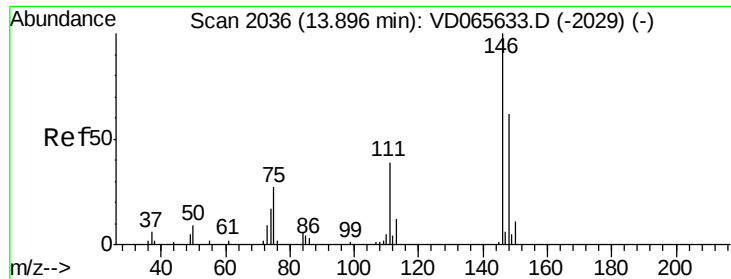
MMDadoda
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#90
Hexachloroethane
Concen: 19.310 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	87.5	44.9	134.7	





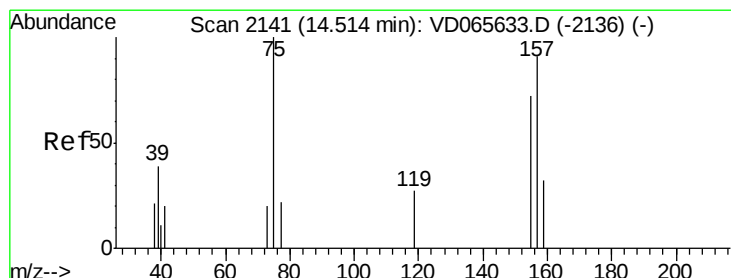
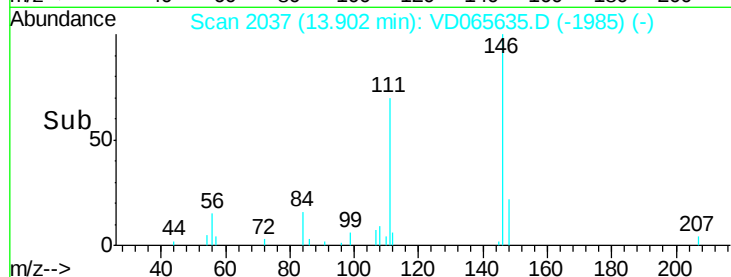
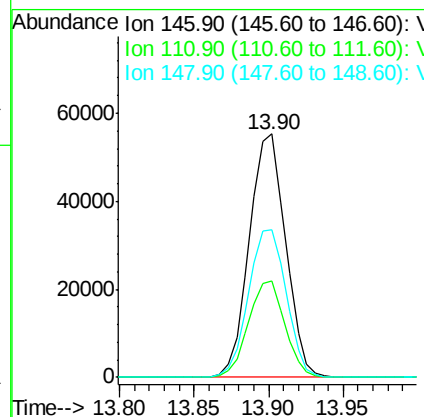
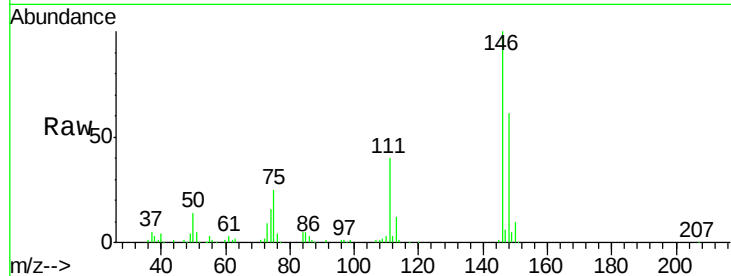
#91
 1,2-Dichlorobenzene
 Concen: 19.142 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.3	57.9
148	63.2	32.0	96.0

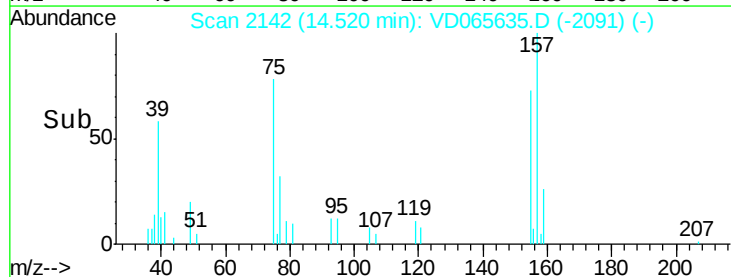
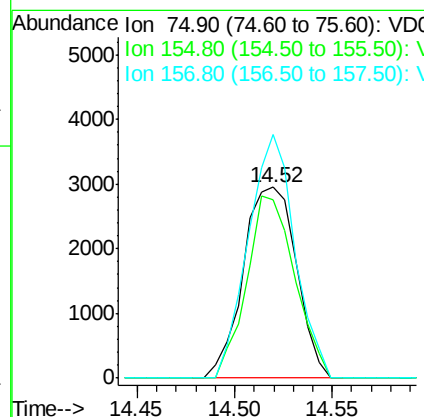
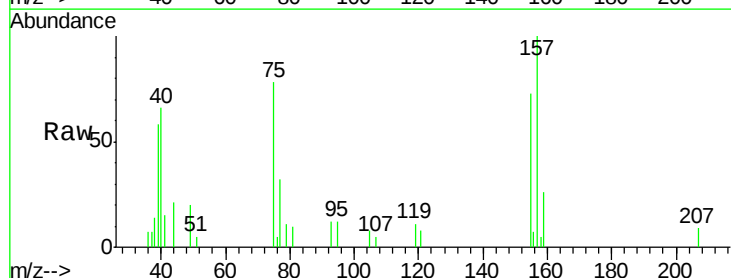
Manual Integrations
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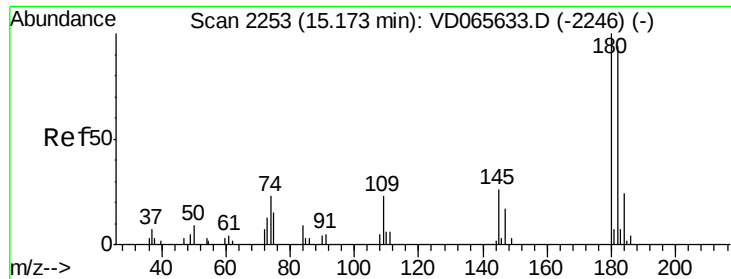
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.876 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	48.0	144.2
157	111.4	59.2	177.6





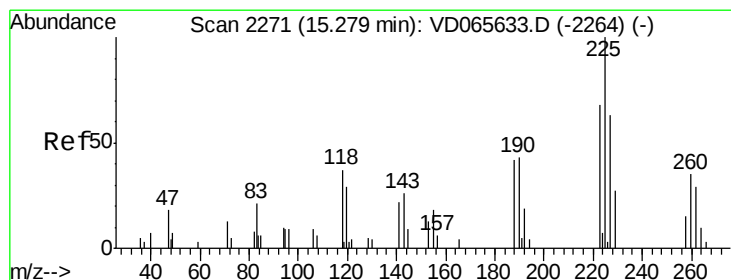
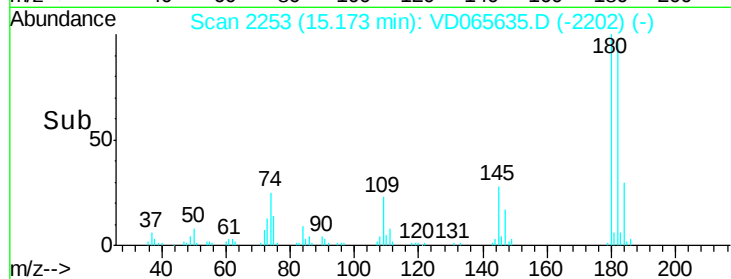
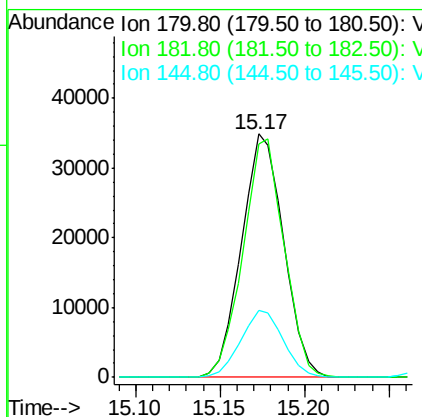
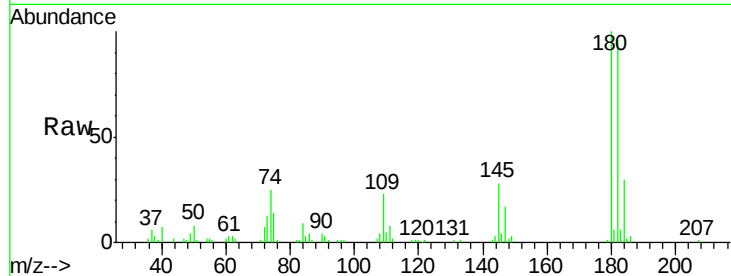
#93
 1,2,4-Trichlorobenzene
 Concen: 18.812 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.9	146.6
145	27.8	13.8	41.3

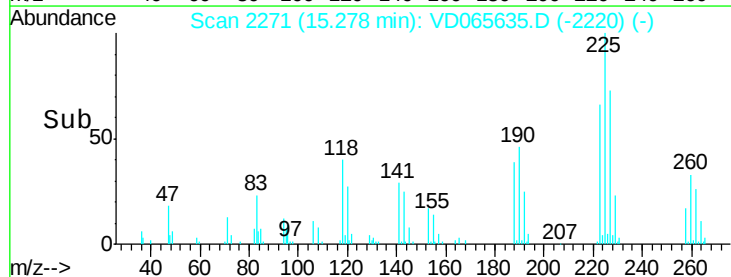
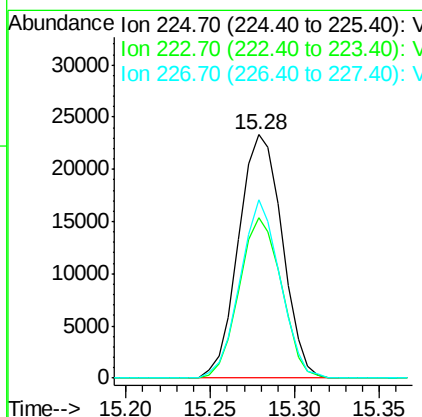
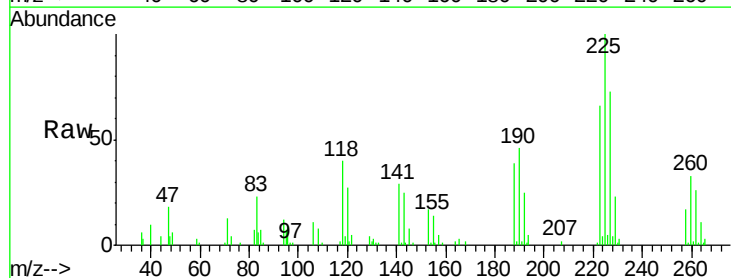
Manual Integrations
 APPROVED

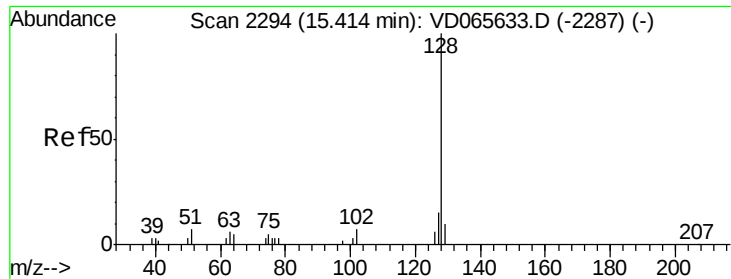
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#94
 Hexachlorobutadiene
 Concen: 18.824 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065635.D
 Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.9	95.5
227	67.5	32.0	96.2





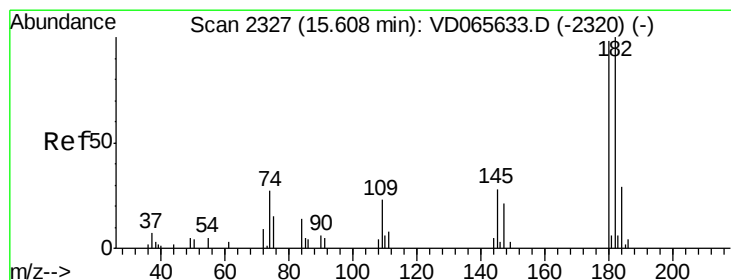
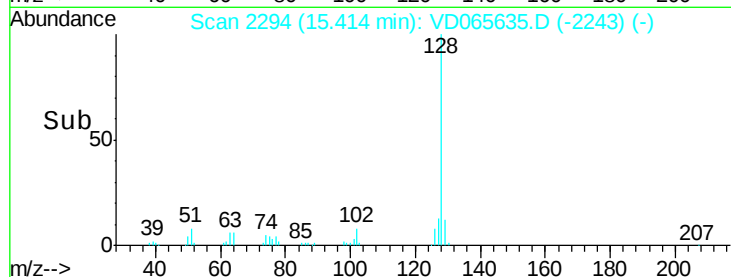
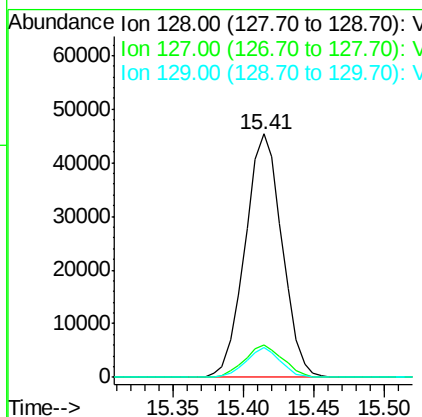
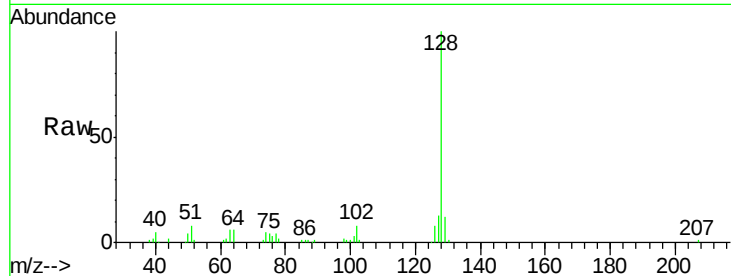
#95
Naphthalene
Concen: 17.643 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	11.2	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.159 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065635.D
Acq: 15 Apr 2020 15:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	31.1	15.0	45.0

