

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064193.D
 Acq On : 11 Nov 2019 22:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 10:26:06 AM

Quant Time: Nov 12 04:10:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	605295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	921569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	811819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	397184	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	277233	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
35) Dibromofluoromethane	7.92	113	268946	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.34	98	988563	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.64	95	346203	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	238388	47.486	ug/l	100
3) Chloromethane	2.21	50	318763	59.198	ug/l	98
4) Vinyl Chloride	2.35	62	336334	58.409	ug/l	98
5) Bromomethane	2.77	94	214735	59.057	ug/l	99
6) Chloroethane	2.92	64	226541	61.570	ug/l	97
7) Trichlorofluoromethane	3.27	101	523872	56.114	ug/l	97
8) Diethyl Ether	3.70	74	151136	58.877	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	266468	49.938	ug/l	98
10) Methyl Iodide	4.29	142	304092	49.927	ug/l	99
11) Tert butyl alcohol	5.25	59	106557	306.458	ug/l	95
12) 1,1-Dichloroethene	4.06	96	273781	53.829	ug/l	98
13) Acrolein	3.93	56	92978	316.090	ug/l	100
14) Allyl chloride	4.70	41	498983	55.487	ug/l	98
15) Acrylonitrile	5.43	53	330171	301.707	ug/l	99
16) Acetone	4.17	43	315801	267.778	ug/l	96
17) Carbon Disulfide	4.40	76	854462	53.946	ug/l	99
18) Methyl Acetate	4.73	43	211995	64.359	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	731655	60.258	ug/l	98
20) Methylene Chloride	4.96	84	311760	52.333	ug/l	94
21) trans-1,2-Dichloroethene	5.46	96	321821	55.848	ug/l	96
22) Diisopropyl ether	6.37	45	989097	59.279	ug/l	98
23) Vinyl Acetate	6.31	43	2765183	297.304	ug/l	99
24) 1,1-Dichloroethane	6.26	63	557018	57.495	ug/l	99
25) 2-Butanone	7.22	43	450783	295.859	ug/l	100
26) 2,2-Dichloropropane	7.21	77	469364	49.402	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	362504	58.662	ug/l	96
28) Bromochloromethane	7.55	49	217703	64.545	ug/l	98
29) Tetrahydrofuran	7.57	42	290271	317.086	ug/l	99
30) Chloroform	7.71	83	589127	59.449	ug/l	99
31) Cyclohexane	7.98	56	466015	47.696	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	517398	54.526	ug/l	99
36) 1,1-Dichloropropene	8.11	75	424915	49.959	ug/l	99
37) Ethyl Acetate	7.30	43	201835	56.290	ug/l	99
38) Carbon Tetrachloride	8.09	117	449935	49.439	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	499506	46.413	ug/l	98
40) Benzene	8.35	78	1232783	53.034	ug/l	98
41) Methacrylonitrile	7.53	41	118558	52.607	ug/l	95
42) 1,2-Dichloroethane	8.43	62	390790	55.975	ug/l	99
43) Isopropyl Acetate	8.46	43	419600	56.796	ug/l	99
44) Trichloroethene	9.11	130	359007	51.459	ug/l	98
45) 1,2-Dichloropropane	9.39	63	308655	54.554	ug/l	96
46) Dibromomethane	9.48	93	166827	55.078	ug/l	97
47) Bromodichloromethane	9.67	83	454748	55.737	ug/l	98
48) Methyl methacrylate	9.46	41	195314	54.066	ug/l	95
49) 1,4-Dioxane	9.47	88	43396	1192.936	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	1021056	288.206	ug/l	100
52) Toluene	10.41	92	805691	52.711	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	441753	54.045	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	513332	53.819	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	238316	57.999	ug/l	98
56) Ethyl methacrylate	10.67	69	324772	56.502	ug/l	98
57) 1,3-Dichloropropane	10.95	76	403793	56.348	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	660941	283.868	ug/l	99
59) 2-Hexanone	10.99	43	703184	278.985	ug/l	99
60) Dibromochloromethane	11.14	129	319360	55.700	ug/l	100
61) 1,2-Dibromoethane	11.25	107	232317	56.448	ug/l	100
64) Tetrachloroethene	10.88	164	327239	52.412	ug/l	98
65) Chlorobenzene	11.67	112	856353	51.874	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	332583	52.983	ug/l	99
67) Ethyl Benzene	11.75	91	1714839	57.428	ug/l	98
68) m/p-Xylenes	11.86	106	1193417	104.268	ug/l	100
69) o-Xylene	12.18	106	566732	53.389	ug/l	100
70) Styrene	12.20	104	970290	52.364	ug/l	99
71) Bromoform	12.37	173	200227	56.049	ug/l #	97
73) Isopropylbenzene	12.48	105	1473626	50.548	ug/l	99
74) N-amyl acetate	12.30	43	374910	54.458	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	243038	55.326	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	161126m	50.365	ug/l	
77) Bromobenzene	12.77	156	373203	52.693	ug/l	99
78) n-propylbenzene	12.83	91	1655494	49.703	ug/l	99
79) 2-Chlorotoluene	12.91	91	965966	51.368	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1220828	50.963	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	84108	52.223	ug/l	98
82) 4-Chlorotoluene	13.01	91	1023755	52.195	ug/l	98
83) tert-Butylbenzene	13.23	119	1035011	48.999	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1234120	52.183	ug/l	99
85) sec-Butylbenzene	13.41	105	1381060	48.680	ug/l	99
86) p-Isopropyltoluene	13.52	119	1297278	48.098	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	690034	52.485	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	677423	52.793	ug/l	99
89) n-Butylbenzene	13.85	91	1171856	48.091	ug/l	100
90) Hexachloroethane	14.12	117	251591	50.473	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	598065	53.745	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	43678	55.611	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	442588	51.558	ug/l	98
94) Hexachlorobutadiene	15.28	225	261670	47.194	ug/l	98
95) Naphthalene	15.41	128	935960	66.514	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	388873	53.293	ug/l	97

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

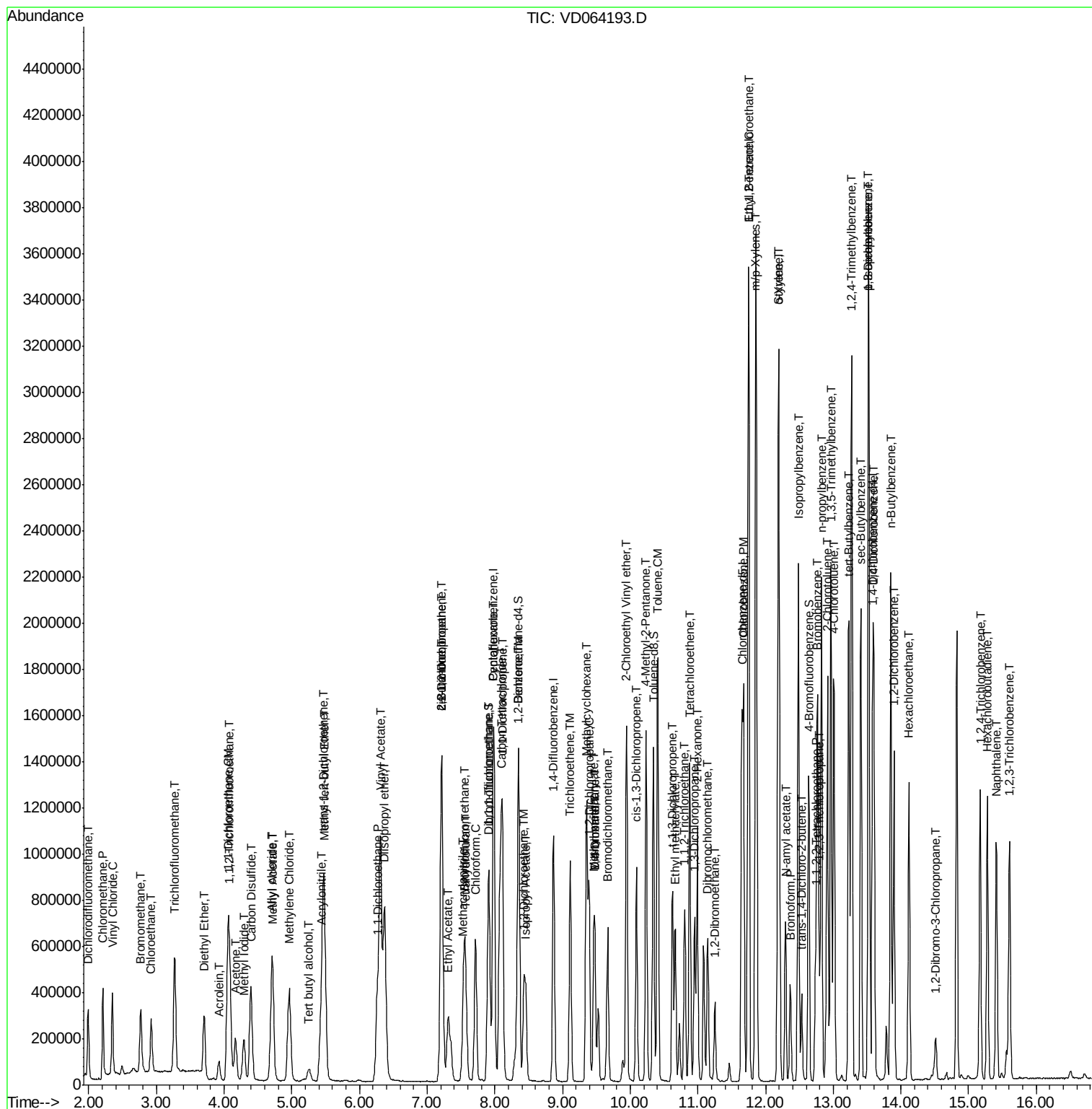
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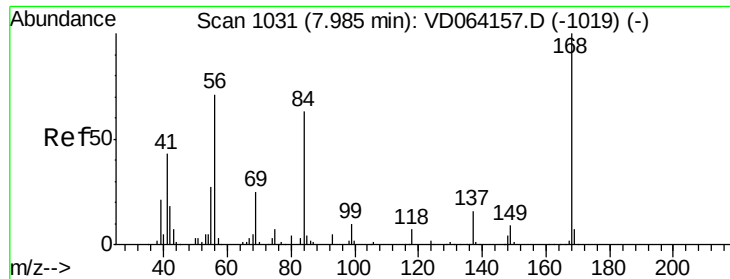
Instrument :
MSVOA_D
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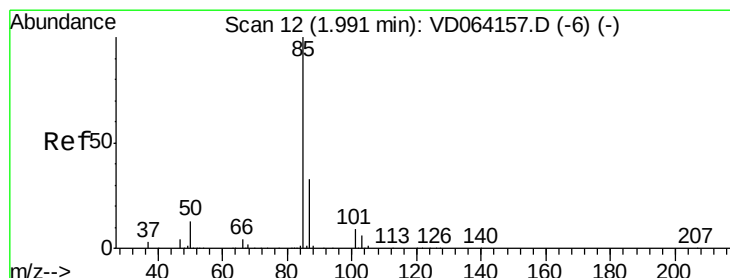
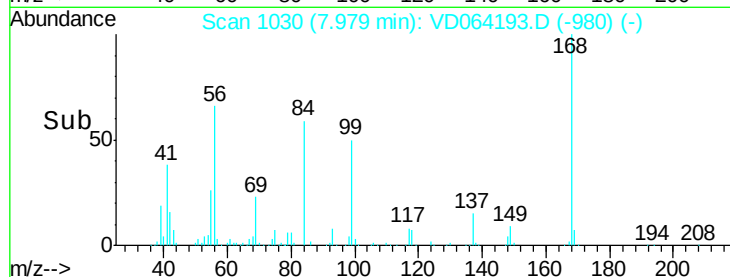
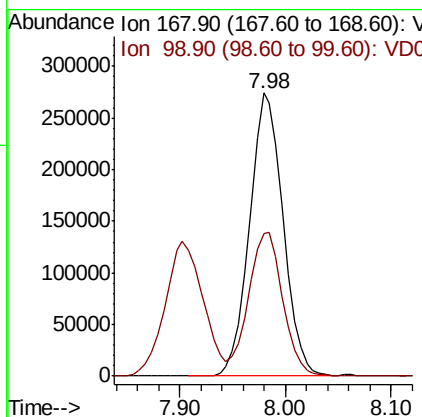
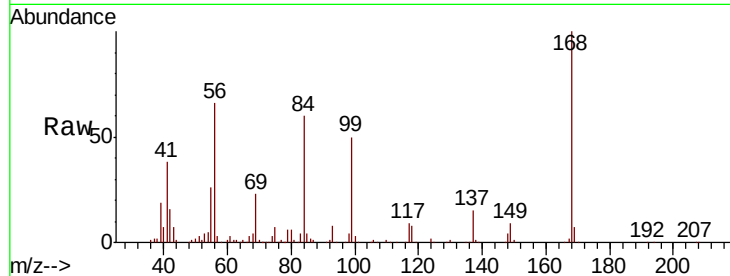
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.2	41.6	62.4

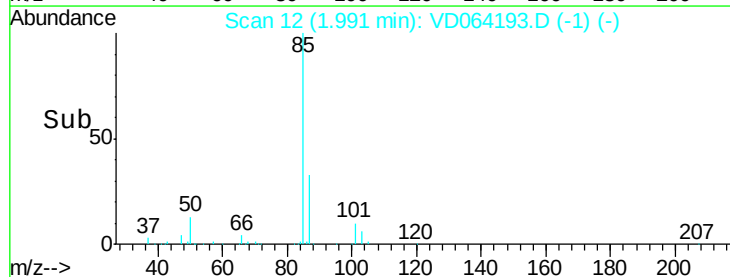
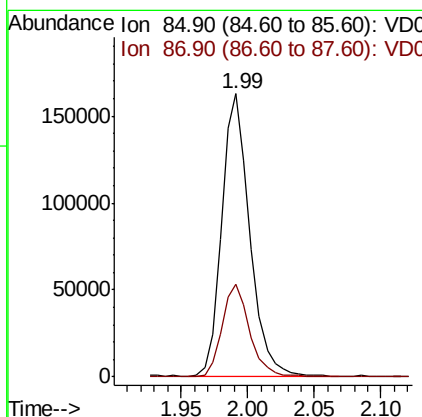
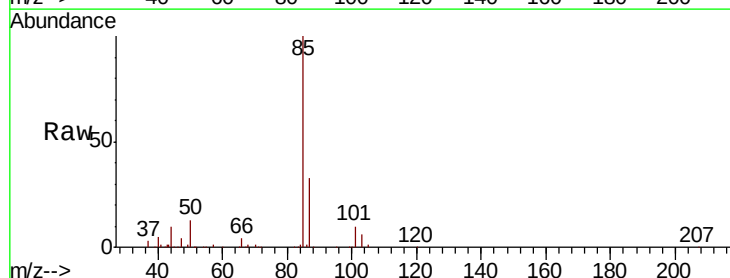
Manual Integrations
APPROVED

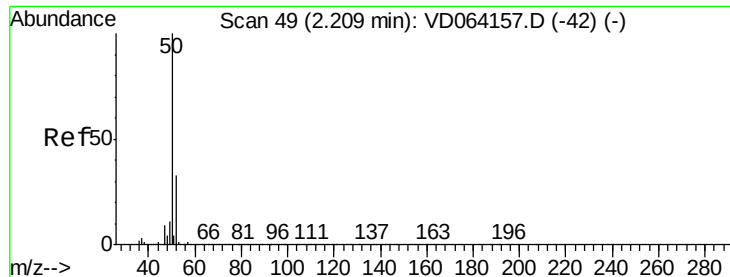
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#2
Dichlorodifluoromethane
Concen: 47.486 ug/l
RT: 1.99 min Scan# 12
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.4	49.2





#3

Chloromethane

Concen: 59.198 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 318763

Ion Ratio Lower Upper

50 100

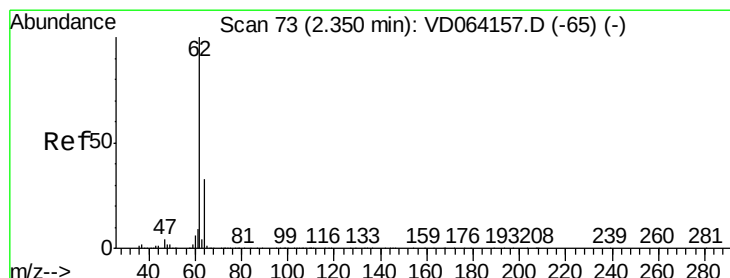
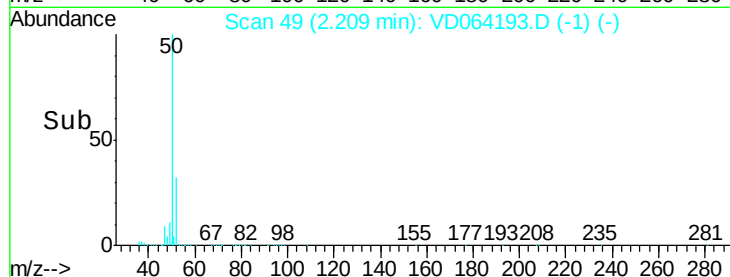
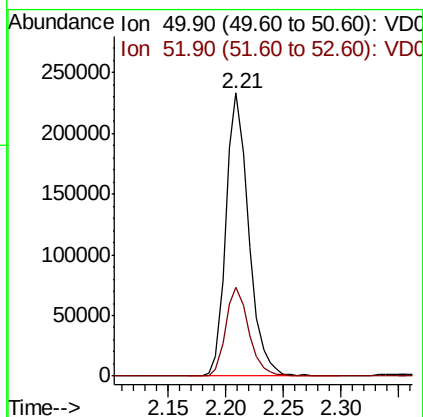
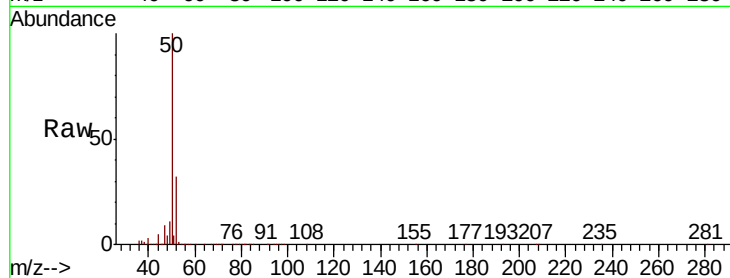
52 31.6 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 58.409 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064193.D

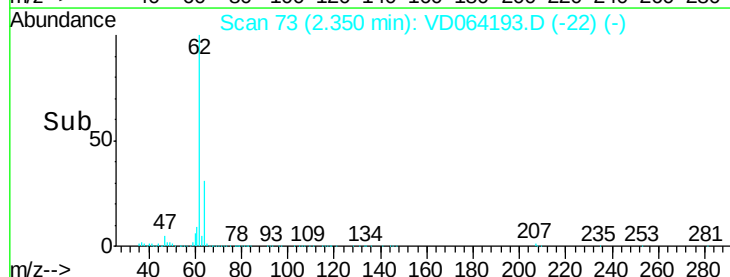
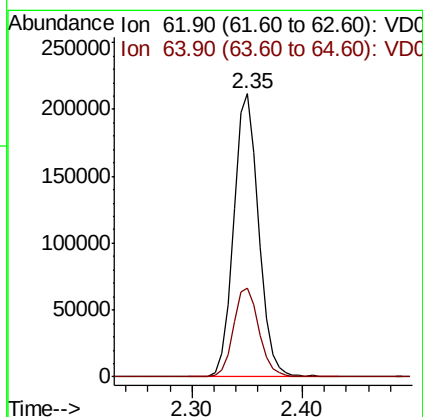
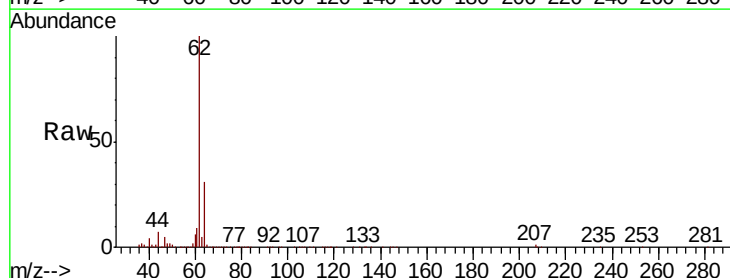
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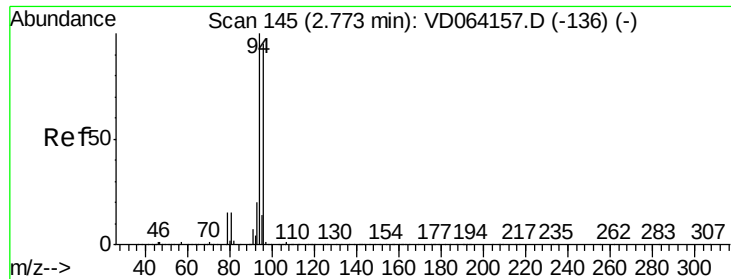
Tgt Ion: 62 Resp: 336334

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.2





#5

Bromomethane

Concen: 59.057 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 214735

Ion Ratio Lower Upper

94 100

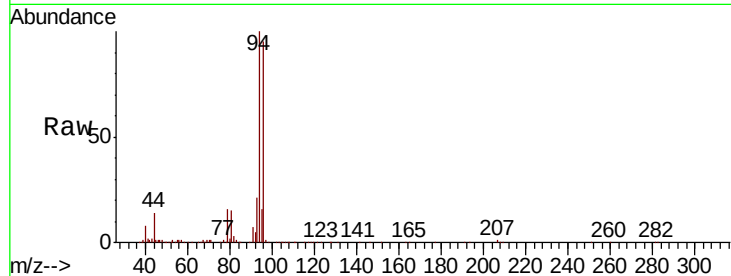
96 94.4 76.2 114.4

Manual Integrations

APPROVED

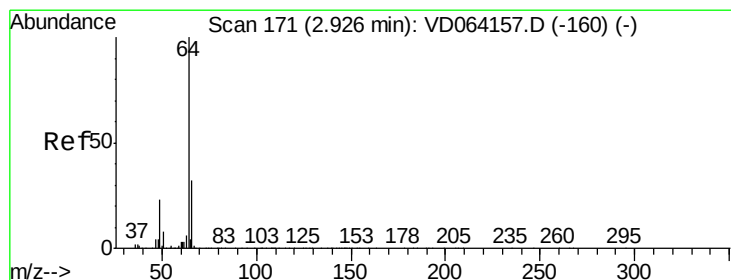
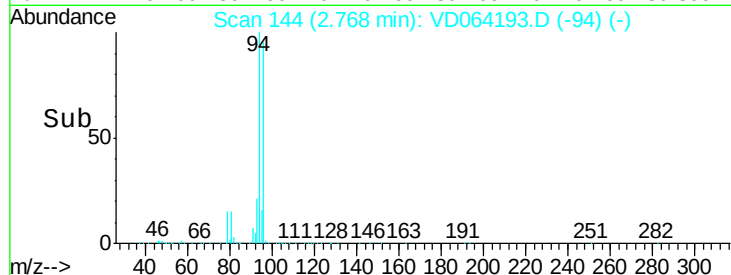
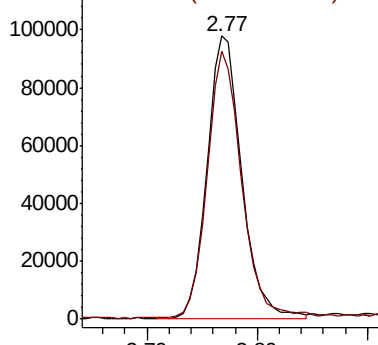
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 61.570 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064193.D

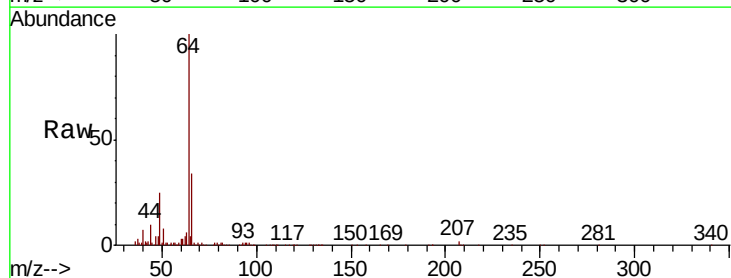
Acq: 11 Nov 2019 22:32

Tgt Ion: 64 Resp: 226541

Ion Ratio Lower Upper

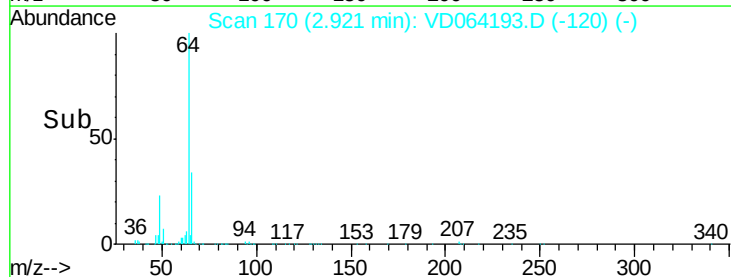
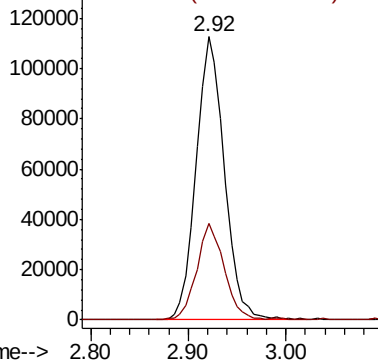
64 100

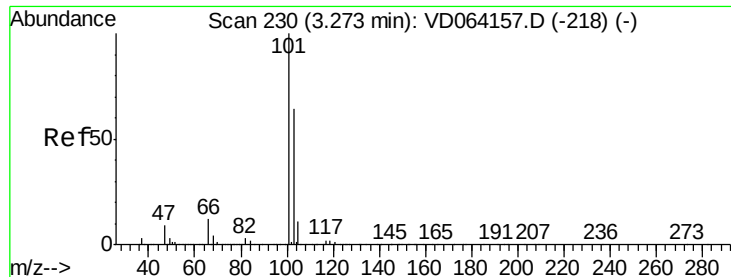
66 33.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

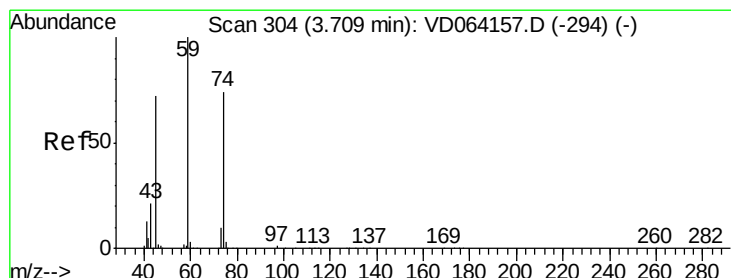
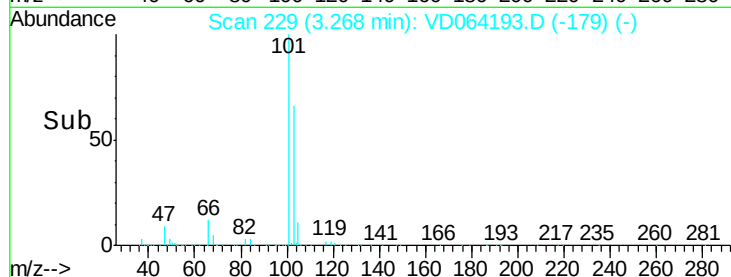
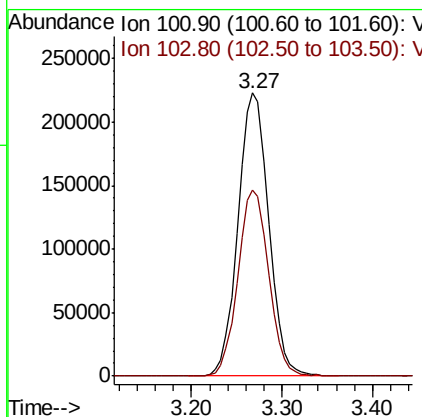
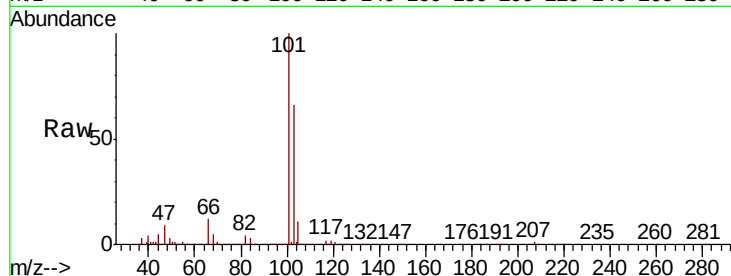
Trichlorofluoromethane
Concen: 56.114 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.8	76.2

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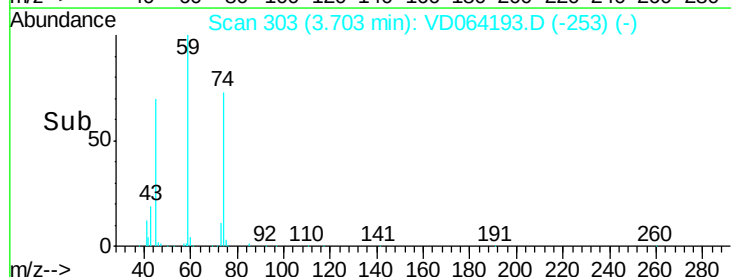
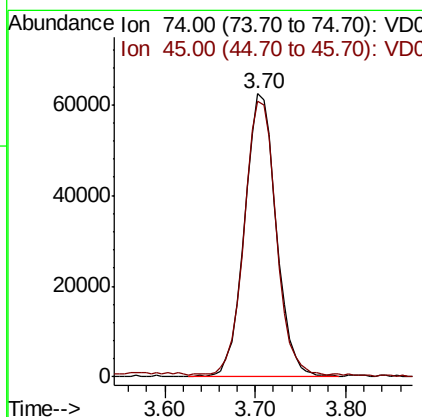
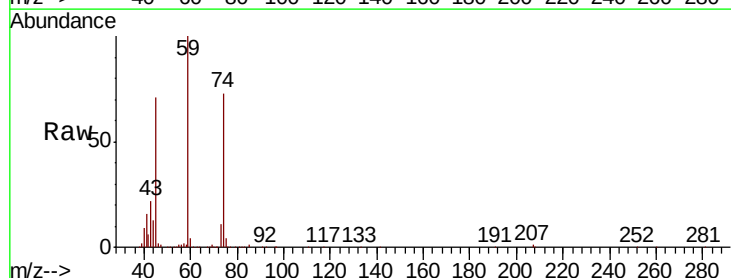
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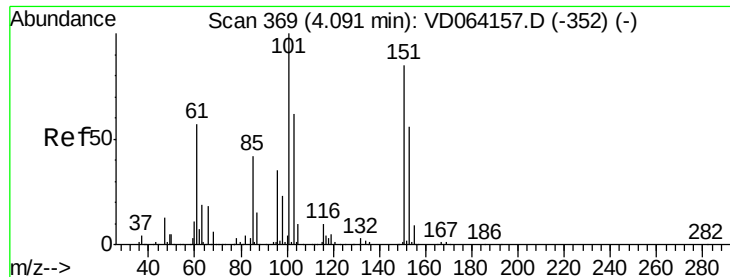


#8

Diethyl Ether
Concen: 58.877 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064193.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.938 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

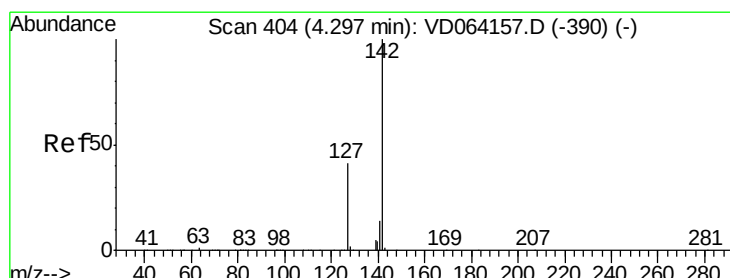
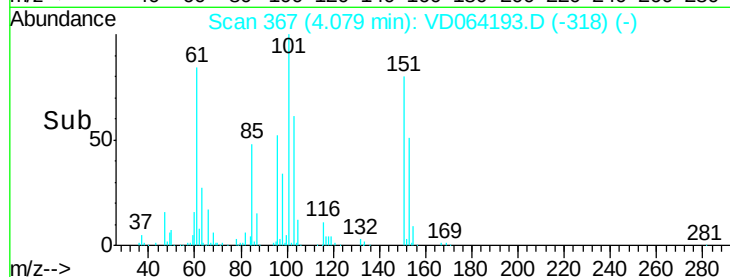
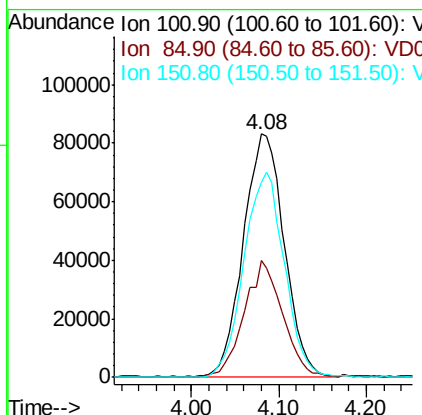
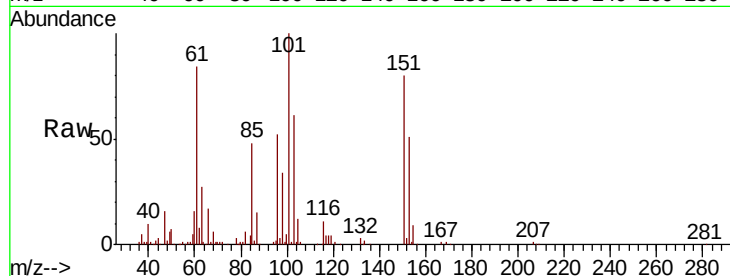
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	266468
Ion Ratio	Lower	Upper	
101	100		
85	45.0	34.4	51.6
151	83.3	68.1	102.1

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#10

Methyl Iodide

Concen: 49.927 ug/l

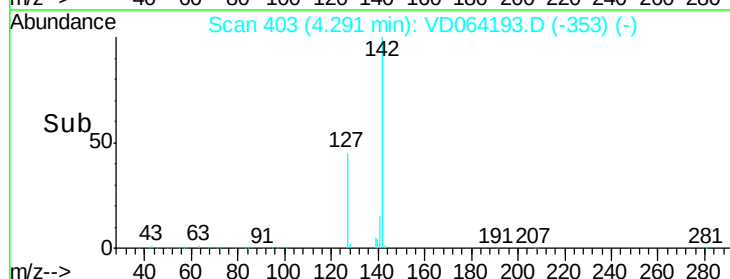
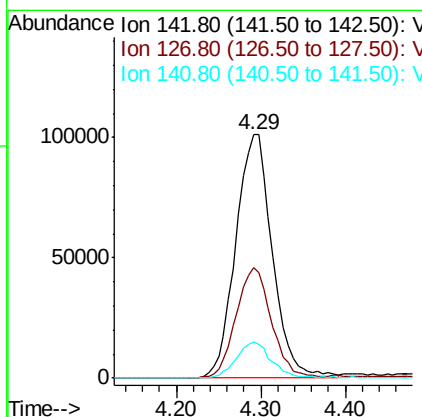
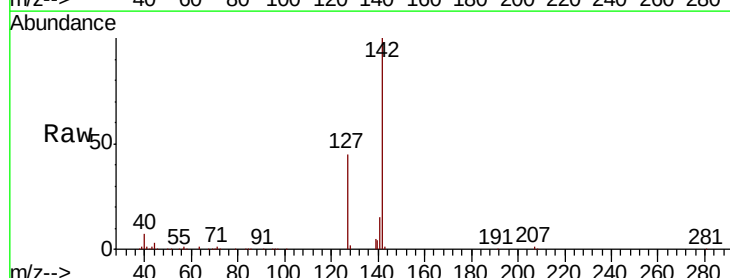
RT: 4.29 min Scan# 403

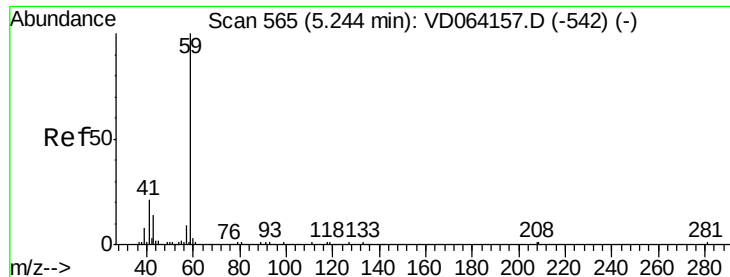
Delta R.T. -0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Tgt Ion:	142	Resp:	304092
Ion Ratio	Lower	Upper	
142	100		
127	44.1	34.4	51.6
141	14.2	11.2	16.8





#11

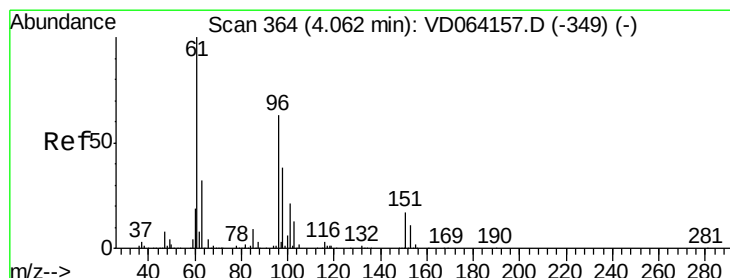
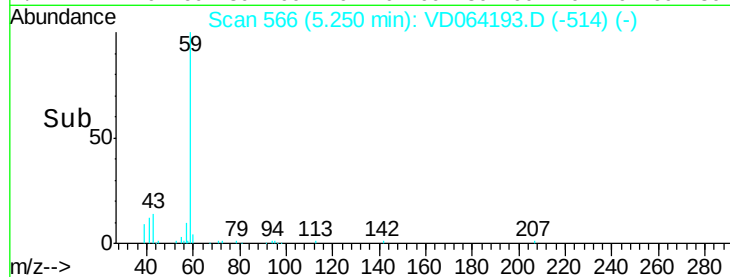
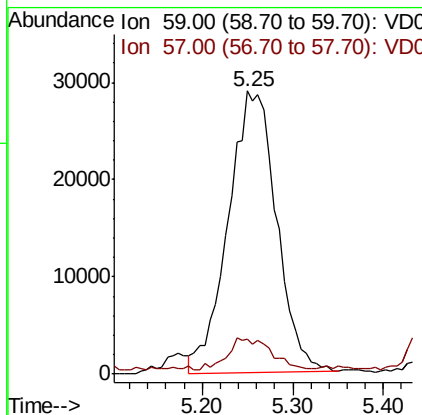
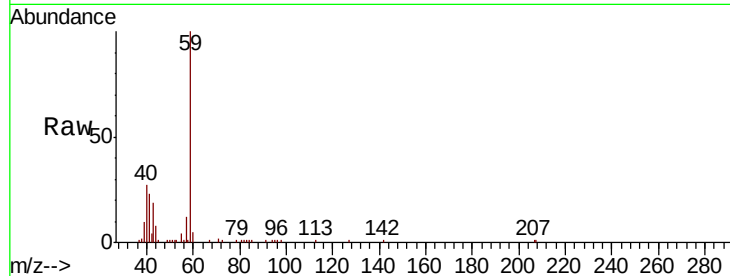
Tert butyl alcohol
 Concen: 306.458 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	9.4	14.2

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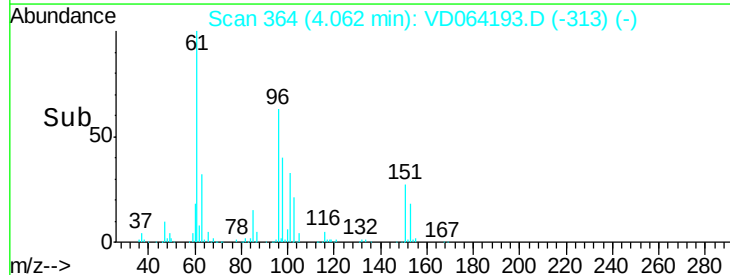
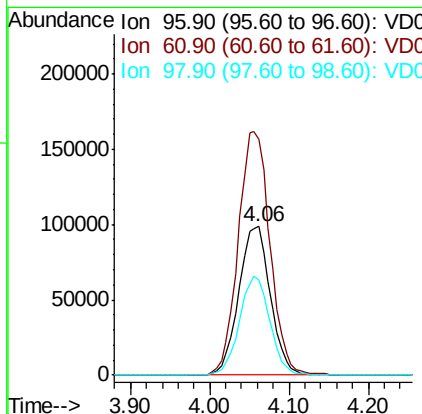
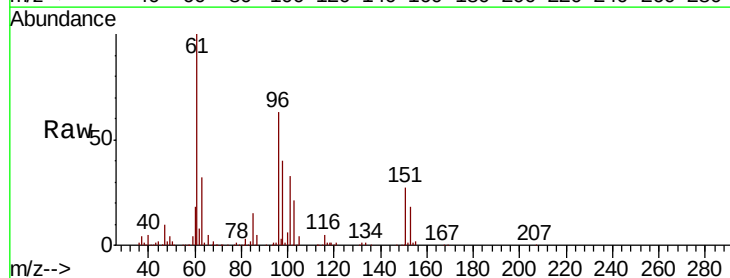
MMDadoda
 11/12/2019 10:26:06 AM

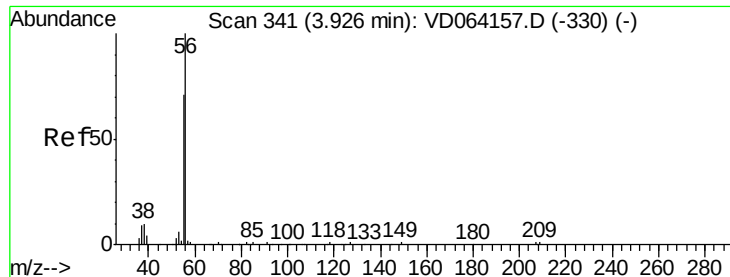


#12

1,1-Dichloroethene
 Concen: 53.829 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	127.4	191.2
98	64.3	48.1	72.1





#13

Acrolein

Concen: 316.090 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 92978

Ion Ratio Lower Upper

56 100

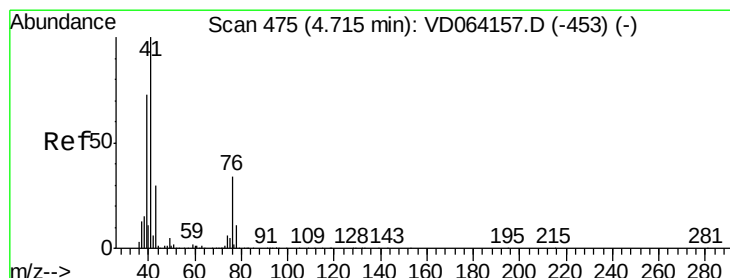
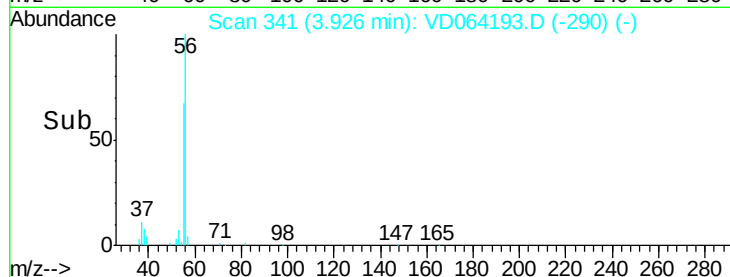
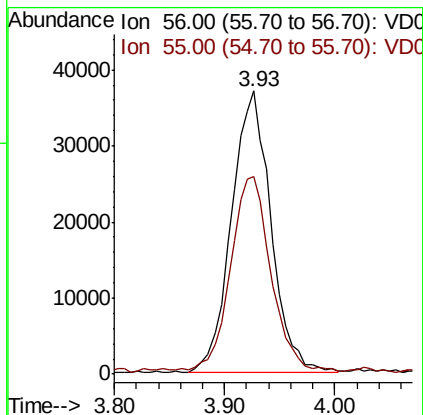
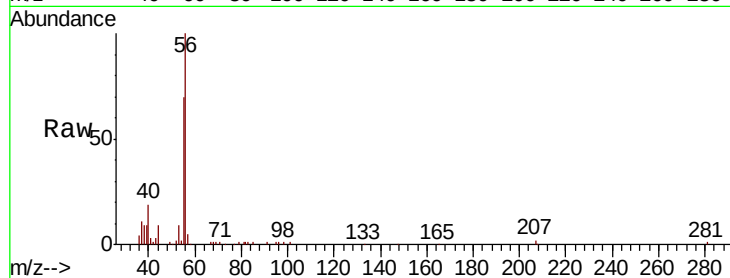
55 69.9 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 55.487 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

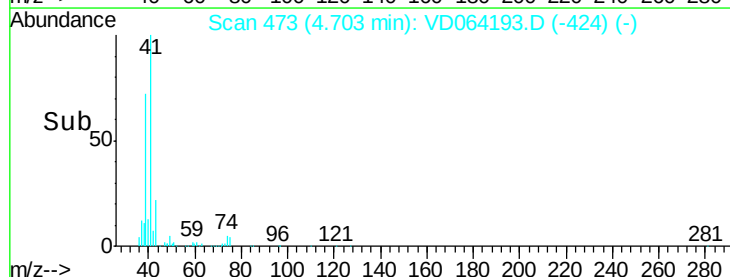
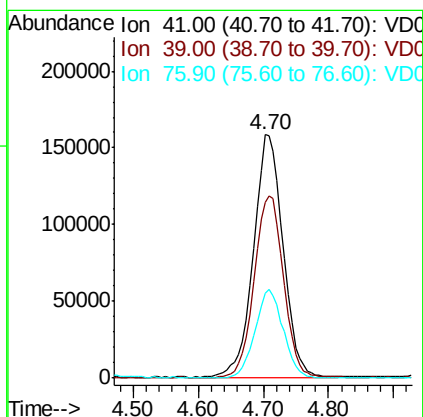
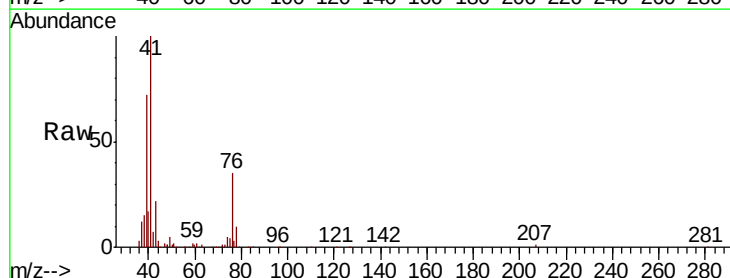
Tgt Ion: 41 Resp: 498983

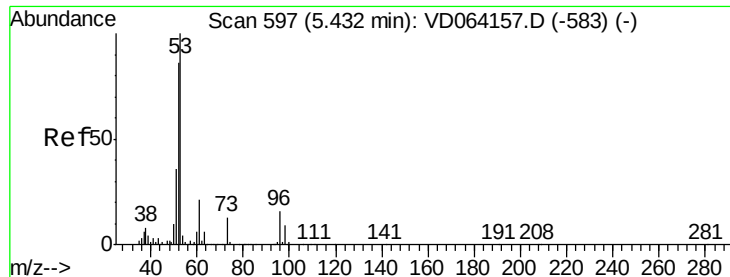
Ion Ratio Lower Upper

41 100

39 73.9 57.5 86.3

76 34.4 26.8 40.2





#15

Acrylonitrile

Concen: 301.707 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

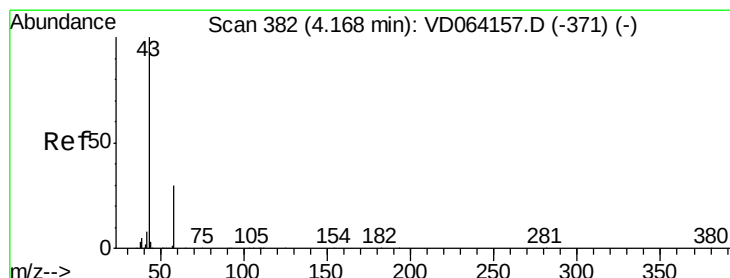
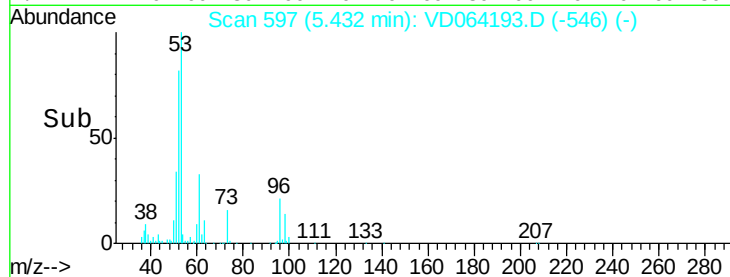
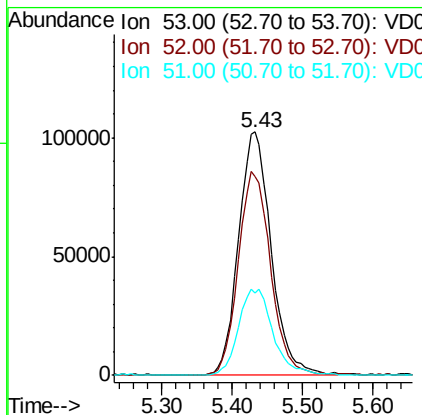
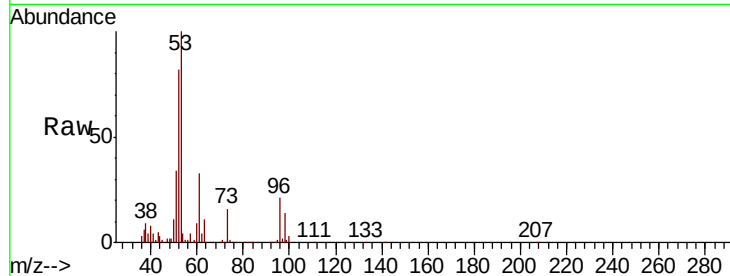
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	330171
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.7	100.1
51	37.7	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 267.778 ug/l

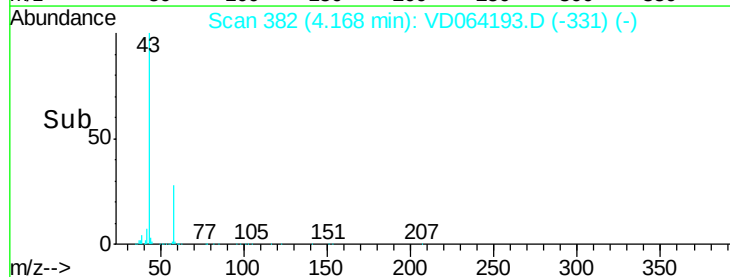
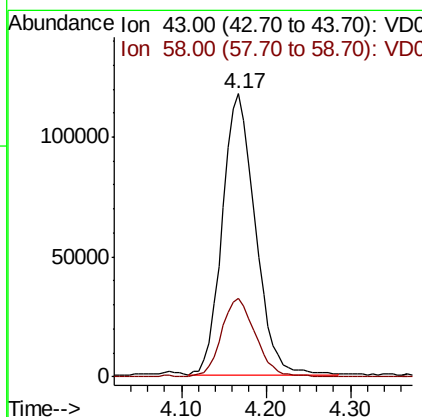
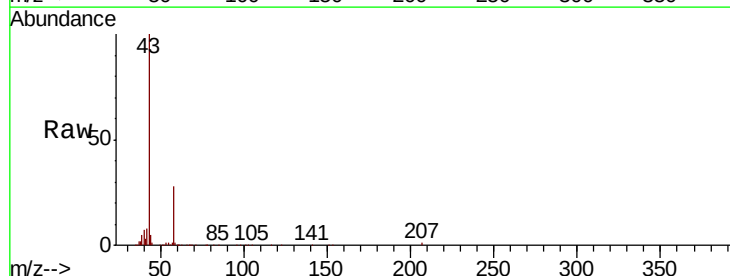
RT: 4.17 min Scan# 382

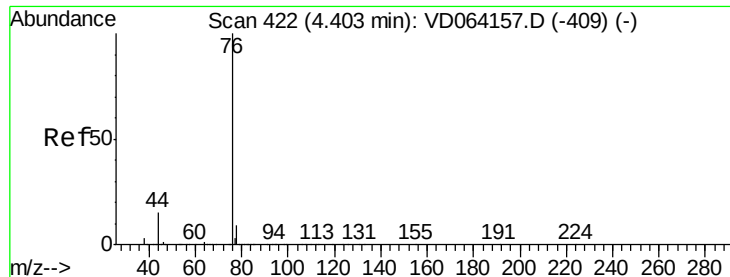
Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Tgt Ion:	43	Resp:	315801
Ion Ratio	Lower	Upper	
43	100		
58	27.9	24.1	36.1





#17

Carbon Disulfide

Concen: 53.946 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 854462

Ion Ratio Lower Upper

76 100

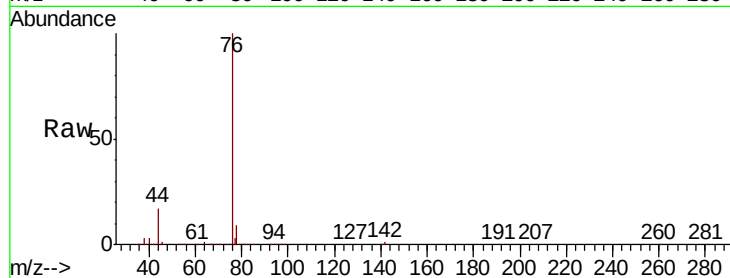
78 9.4 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

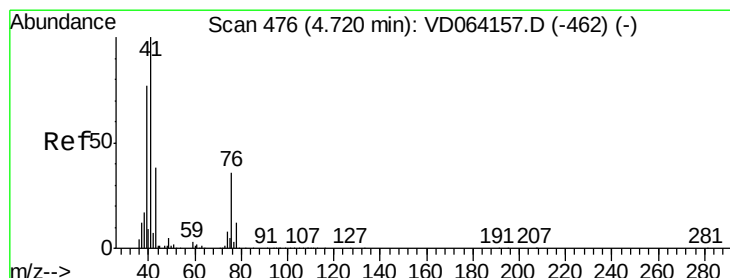
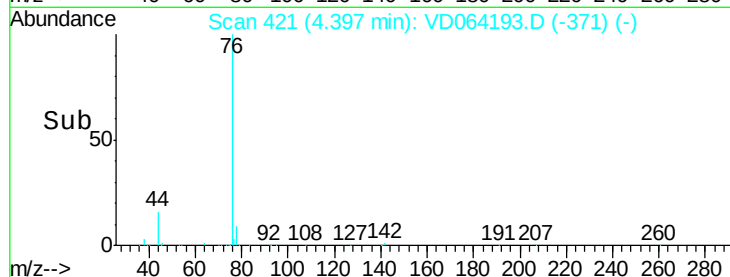
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 64.359 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064193.D

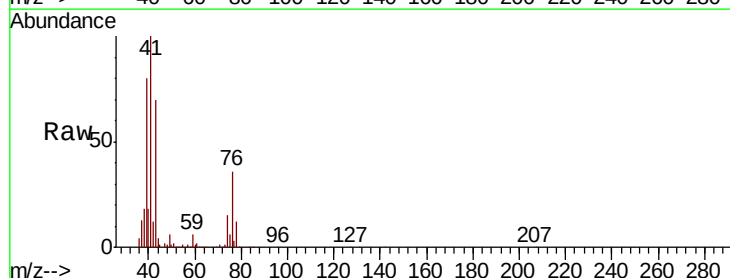
Acq: 11 Nov 2019 22:32

Tgt Ion: 43 Resp: 211995

Ion Ratio Lower Upper

43 100

74 22.2 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

80000

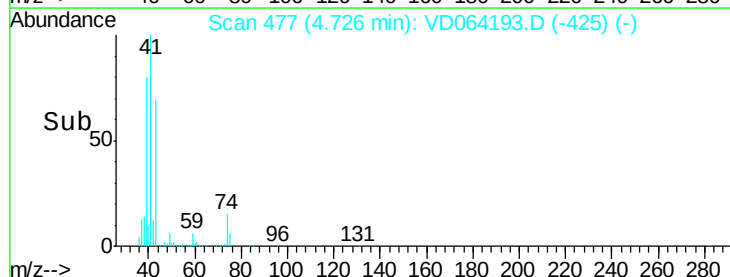
60000

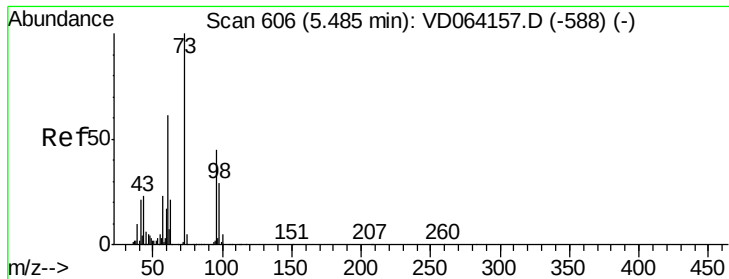
40000

20000

0

Time-->





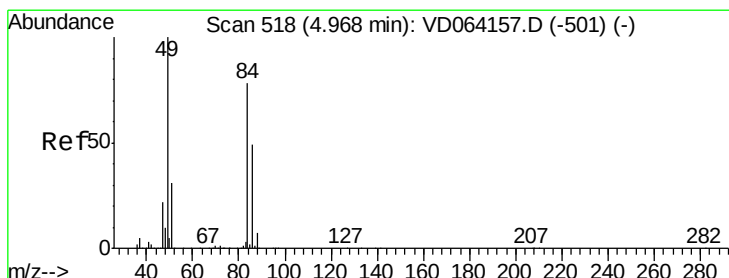
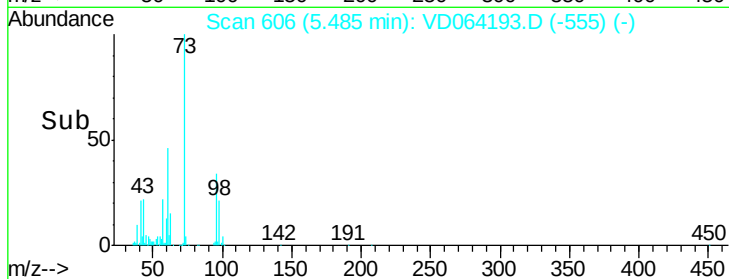
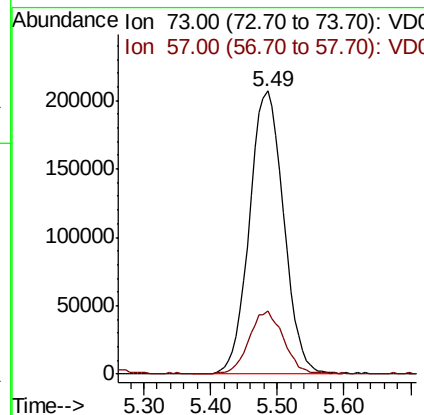
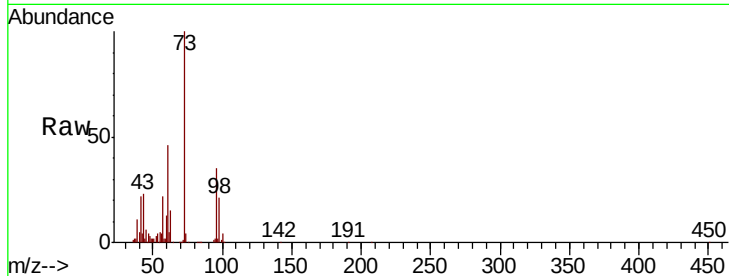
#19
Methyl tert-butyl Ether
Concen: 60.258 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.4	27.6

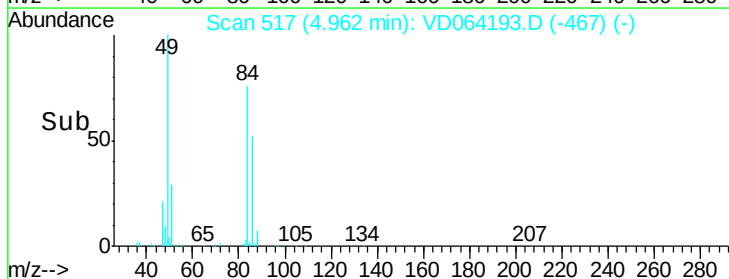
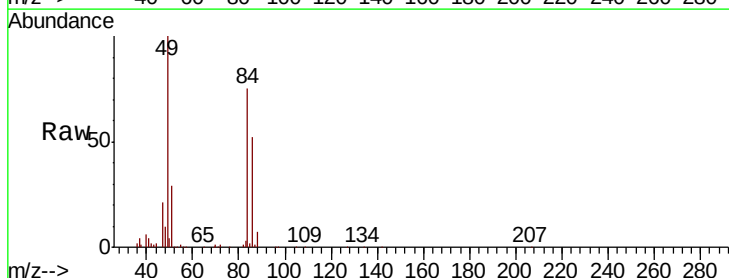
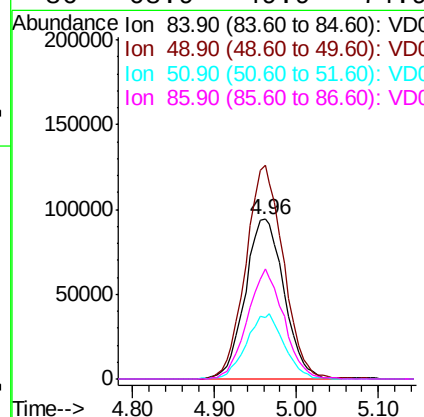
Manual Integrations
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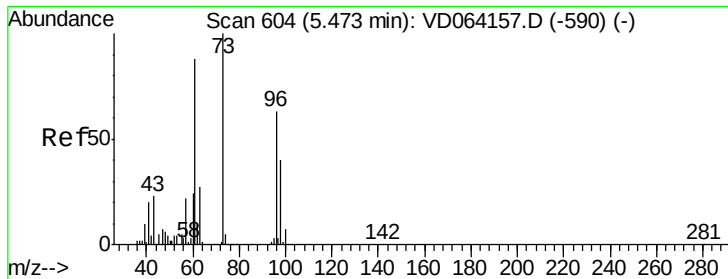
MMDadoda
11/12/2019 10:26:06 AM



#20
Methylene Chloride
Concen: 52.333 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.5	102.1	153.1
51	38.5	32.2	48.2
86	68.9	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 55.848 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

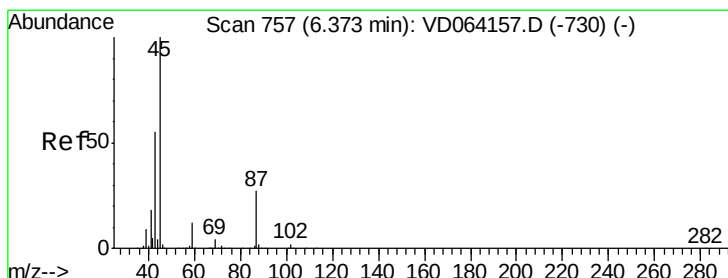
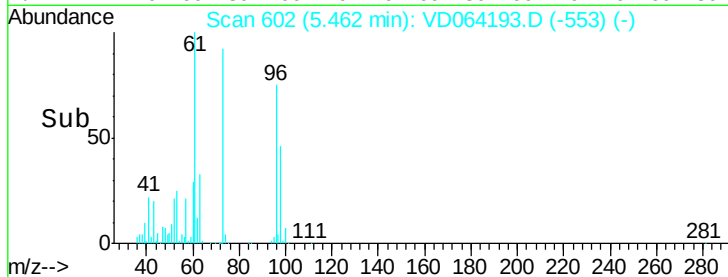
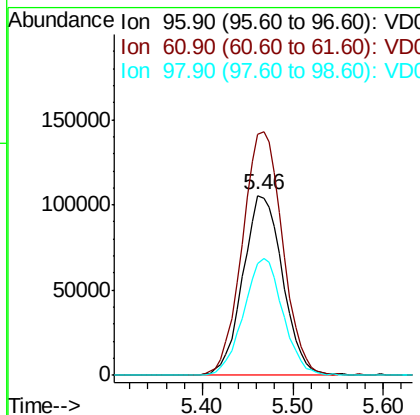
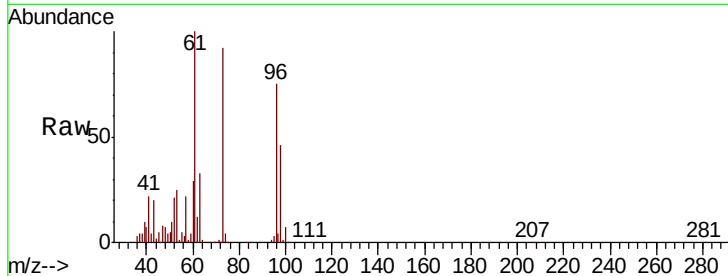
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	321821
Ion Ratio	Lower	Upper	
96	100		
61	133.7	111.8	167.6
98	61.9	50.3	75.5

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#22

Diisopropyl ether

Concen: 59.279 ug/l

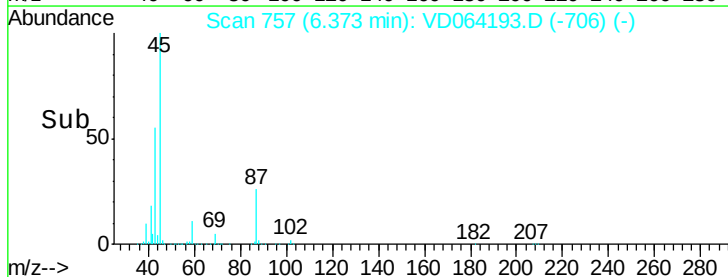
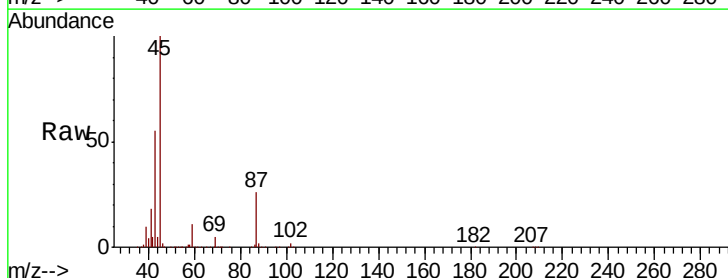
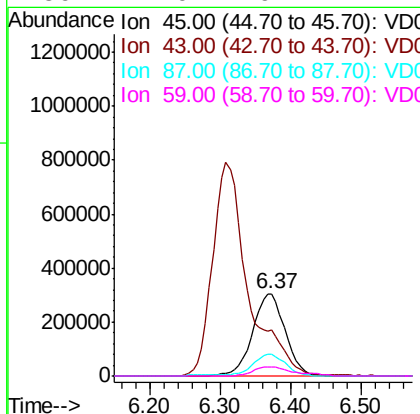
RT: 6.37 min Scan# 757

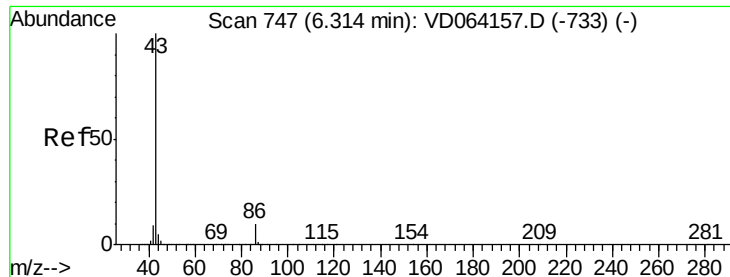
Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Tgt Ion:	45	Resp:	989097
Ion Ratio	Lower	Upper	
45	100		
43	54.0	44.4	66.6
87	25.8	21.9	32.9
59	11.0	9.4	14.2





#23

Vinyl Acetate

Concen: 297.304 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2765183

Ion Ratio Lower Upper

43 100

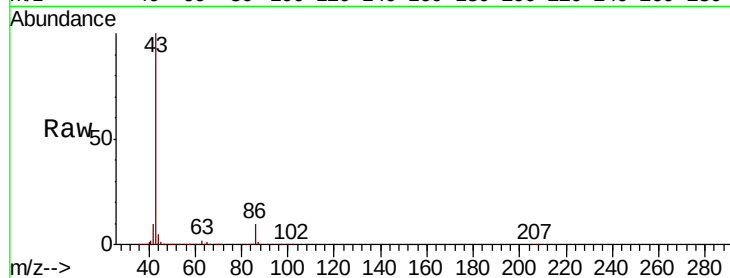
86 10.4 8.2 12.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

800000

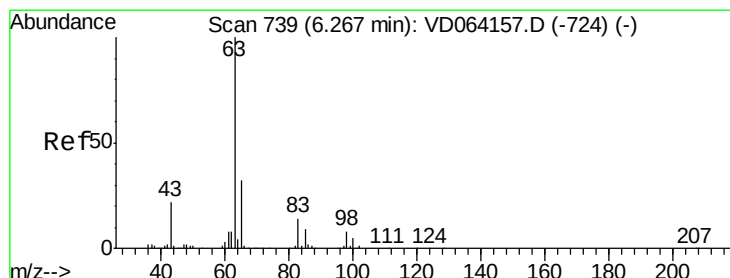
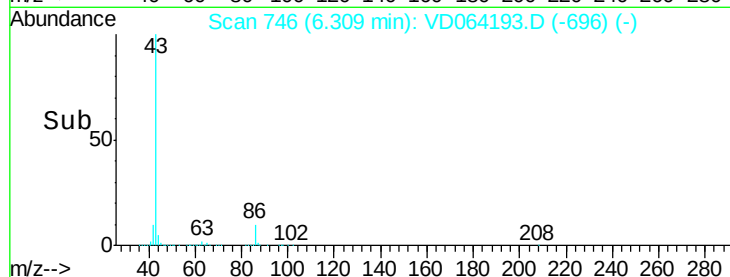
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 57.495 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

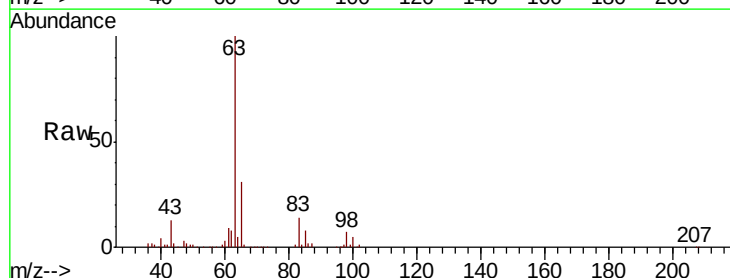
Tgt Ion: 63 Resp: 557018

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.4

100 4.5 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

200000

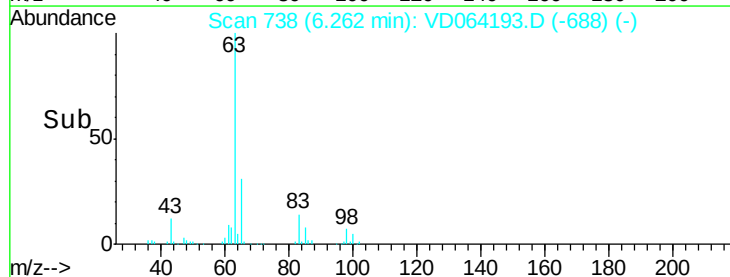
150000

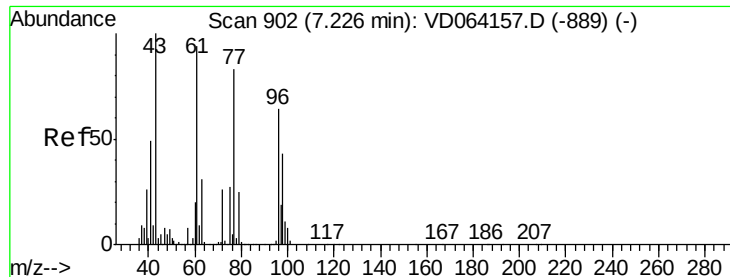
100000

50000

0

Time-->





#25

2-Butanone

Concen: 295.859 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 450783

Ion Ratio Lower Upper

43 100

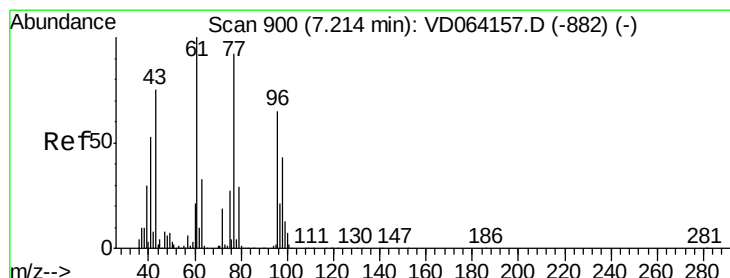
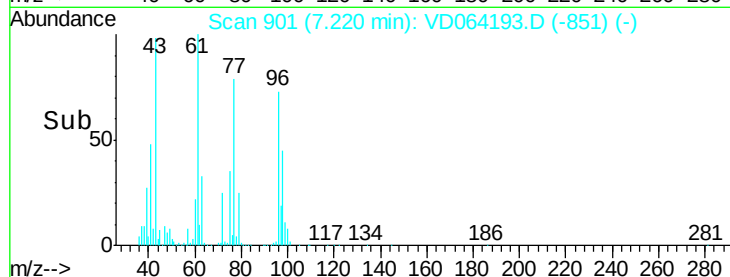
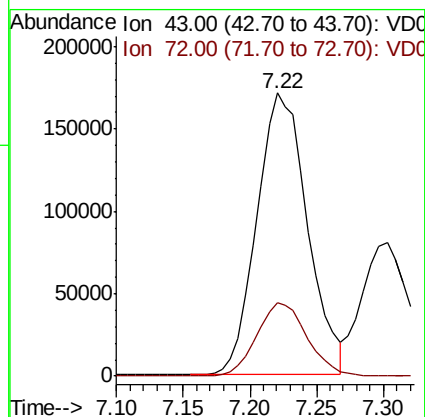
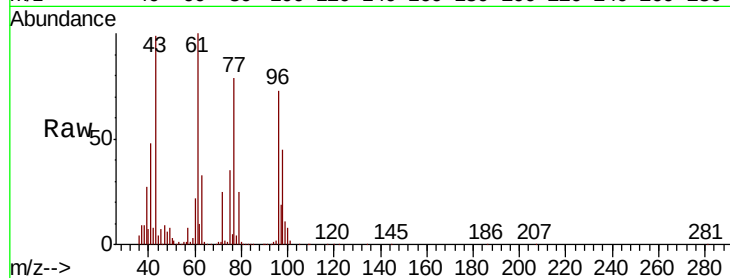
72 25.9 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.402 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064193.D

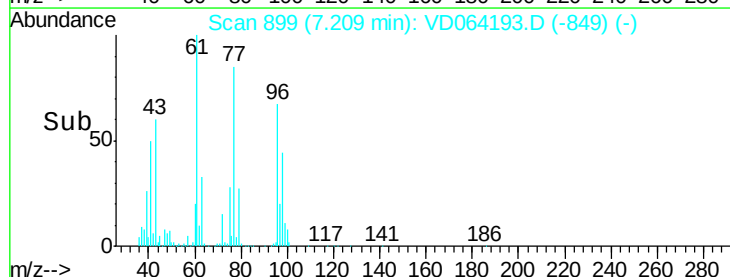
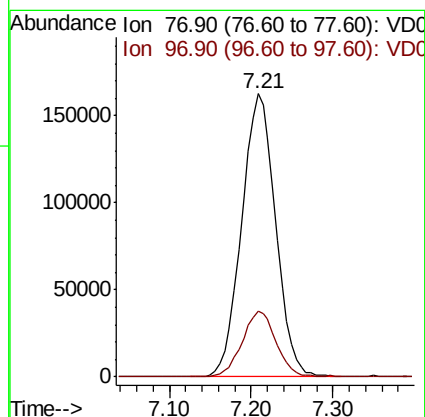
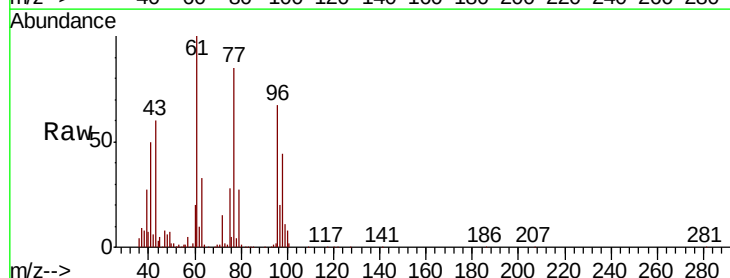
Acq: 11 Nov 2019 22:32

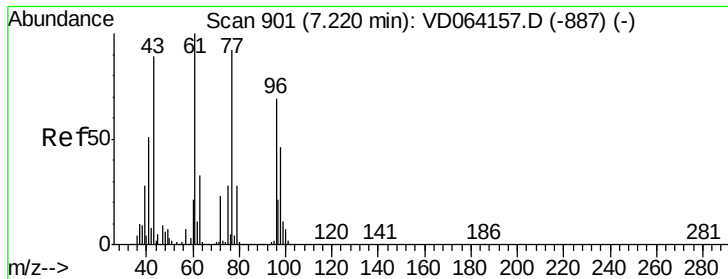
Tgt Ion: 77 Resp: 469364

Ion Ratio Lower Upper

77 100

97 23.1 11.1 33.3





#27

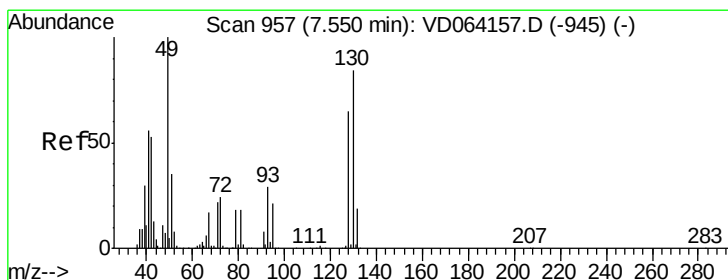
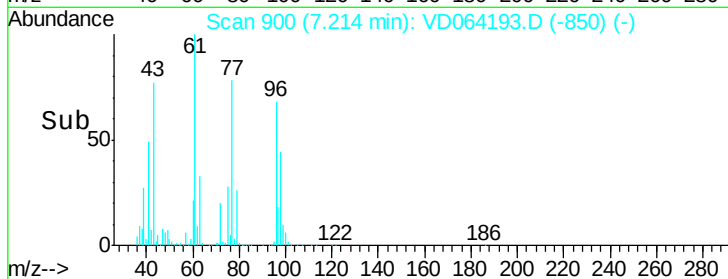
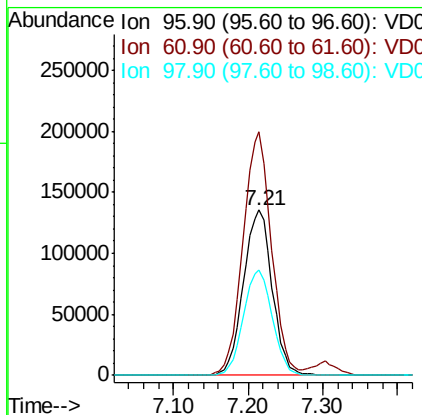
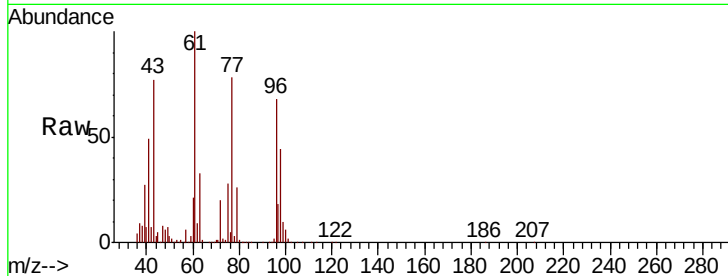
cis-1,2-Dichloroethene
Concen: 58.662 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	144.8	0.0	301.4		
98	64.2	0.0	133.2		

Manual Integrations
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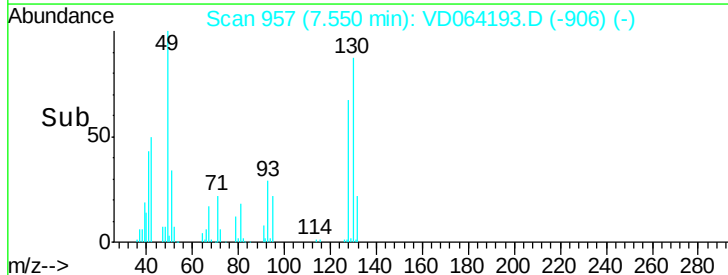
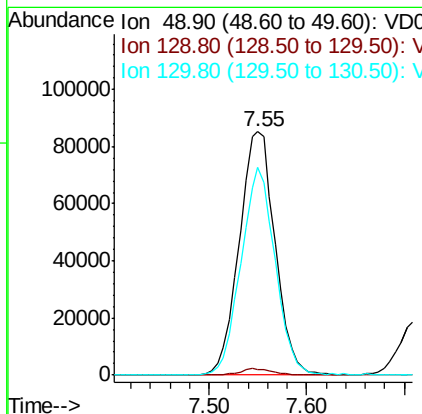
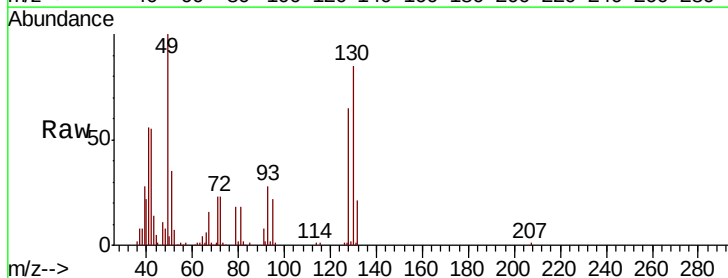
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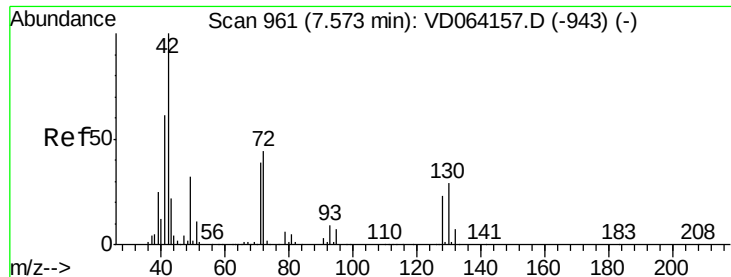


#28

Bromochloromethane
Concen: 64.545 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.4	0.0	4.4		
130	81.7	66.8	100.2		





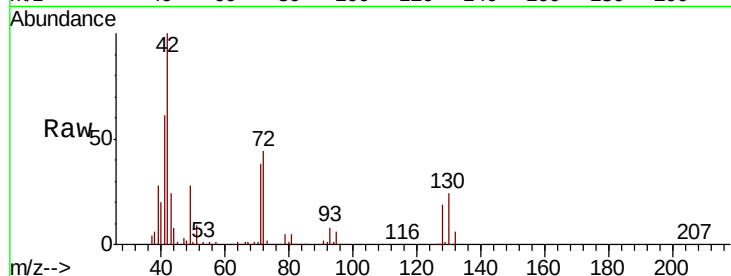
#29
Tetrahydrofuran
Concen: 317.086 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

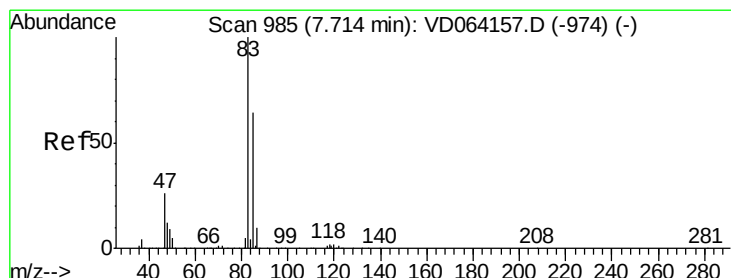
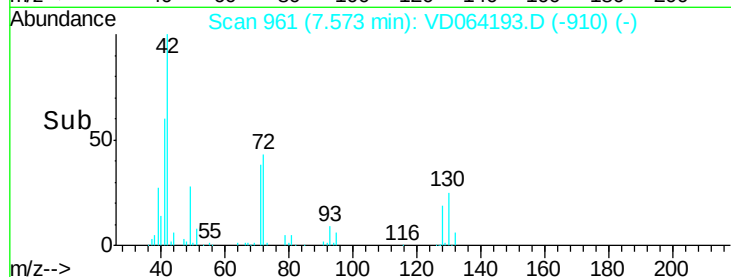
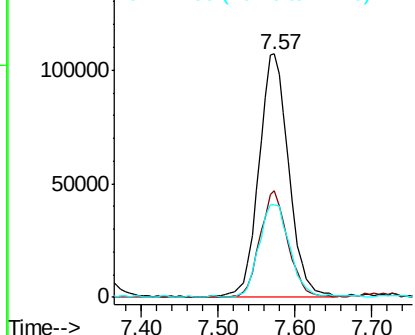
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.4	50.2
71	38.5	31.0	46.4

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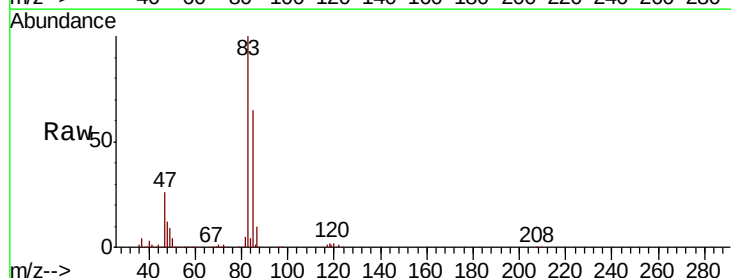


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

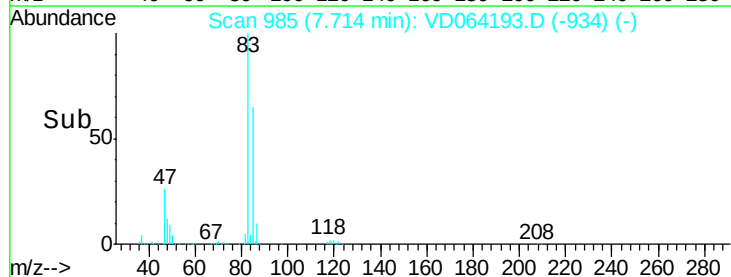
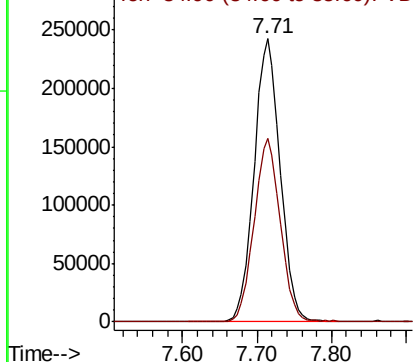


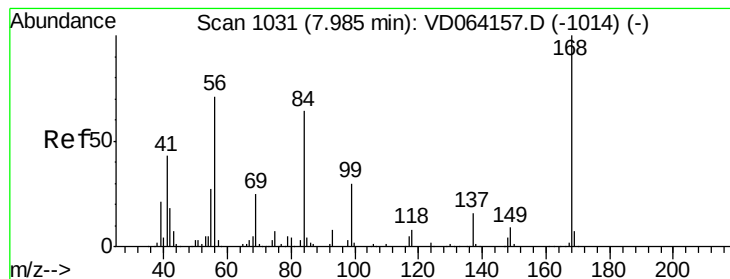
#30
Chloroform
Concen: 59.449 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 47.696 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

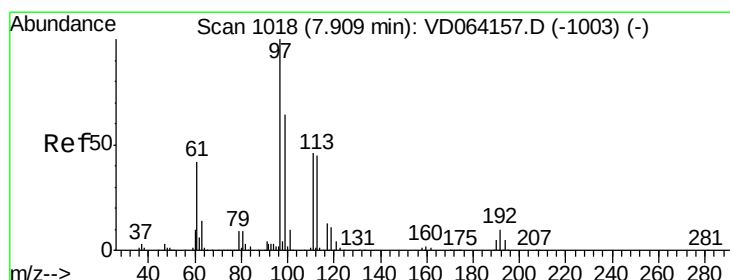
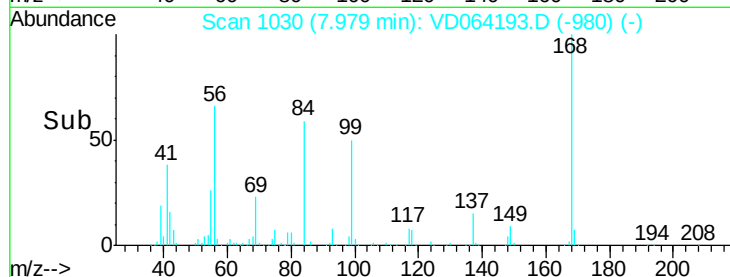
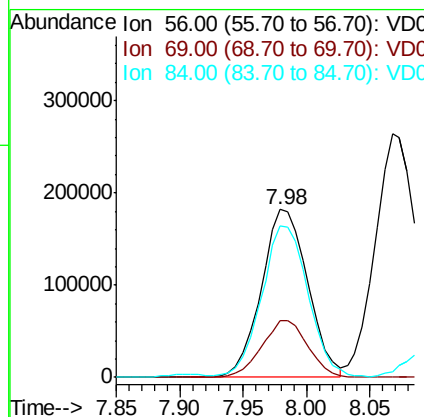
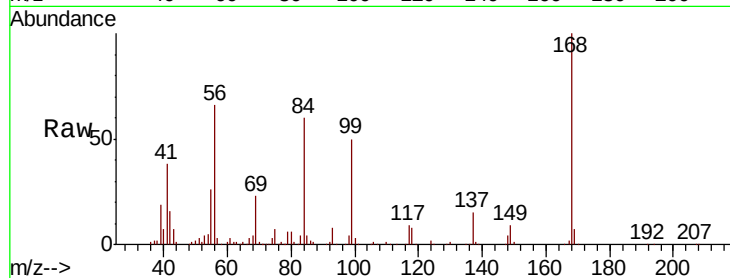
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	466015
Ion Ratio	Lower	Upper	
56	100		
69	34.1	28.2	42.4
84	87.9	71.8	107.6

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#32

1,1,1-Trichloroethane

Concen: 54.526 ug/l

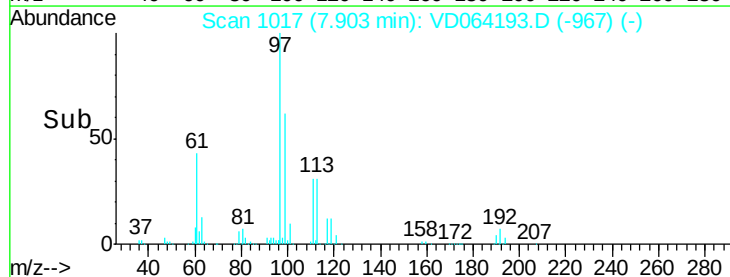
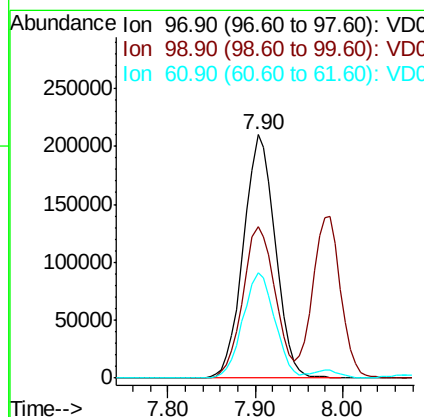
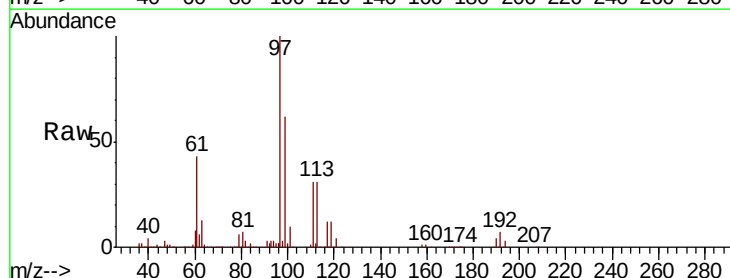
RT: 7.90 min Scan# 1017

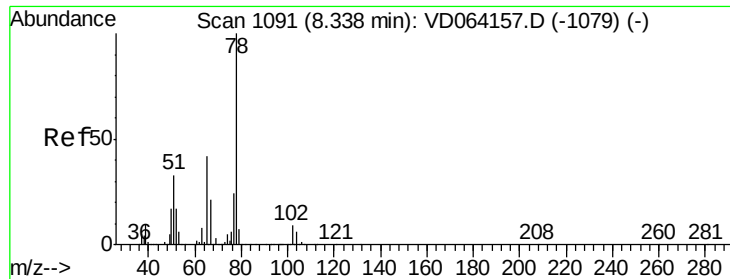
Delta R.T. -0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Tgt Ion:	97	Resp:	517398
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.6	77.4
61	43.5	34.2	51.2





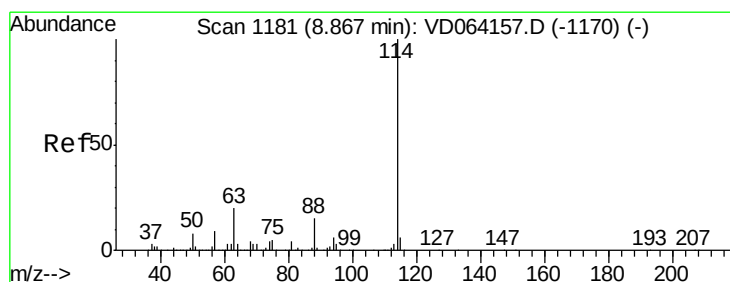
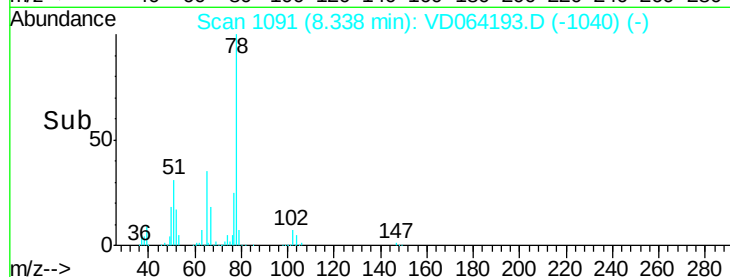
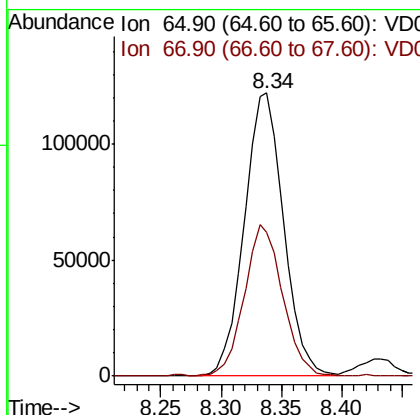
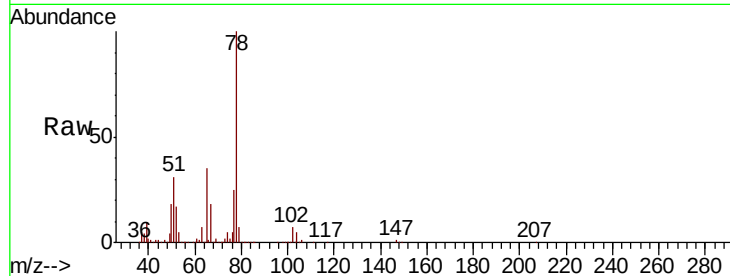
#33
 1,2-Dichloroethane-d4
 Concen: 55.689 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.4

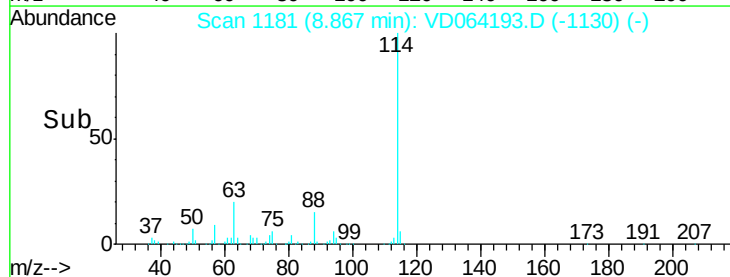
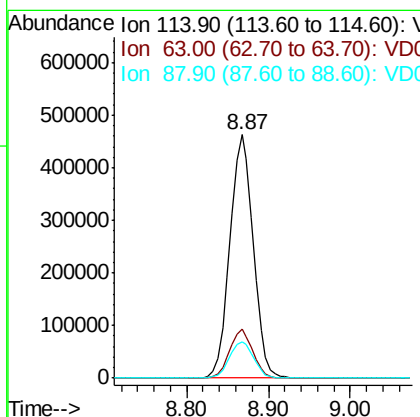
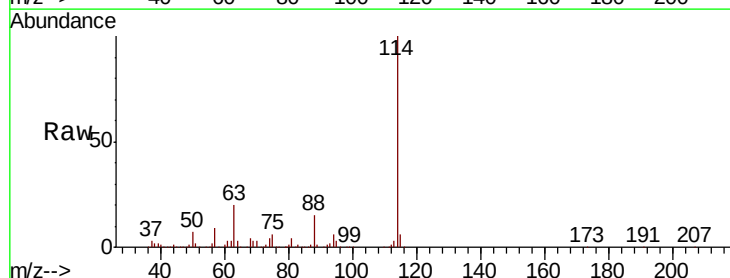
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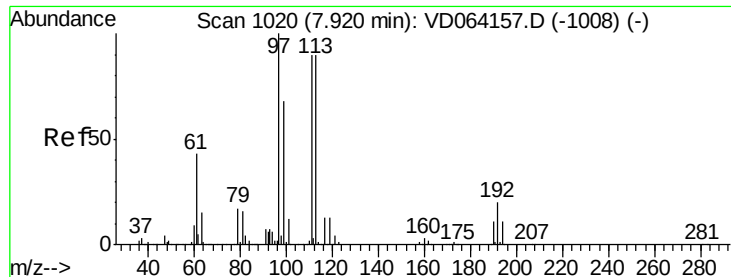
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.0
88	15.0	0.0	30.2





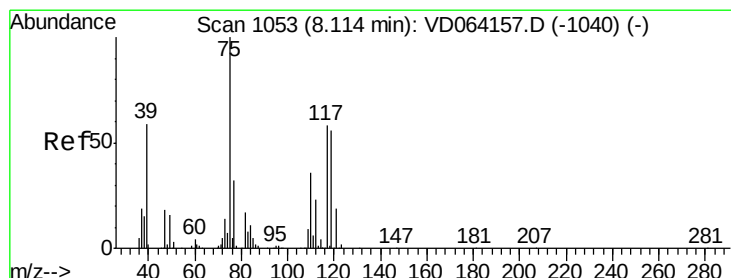
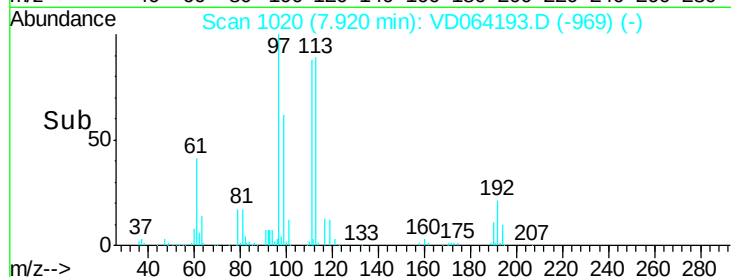
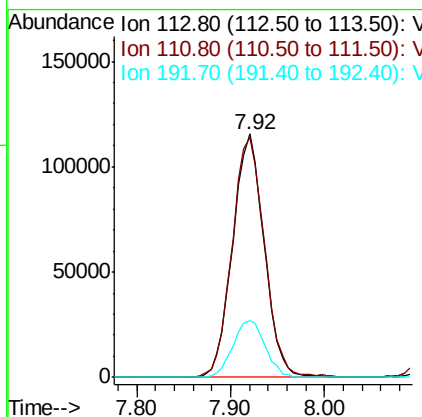
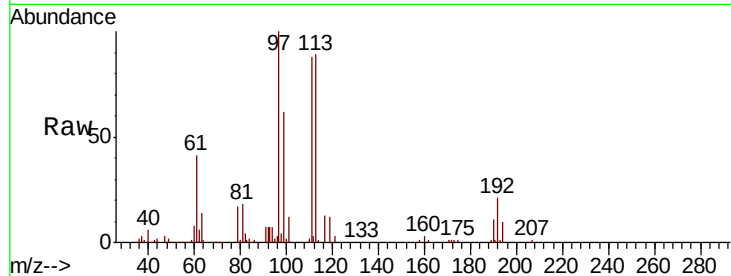
#35
Dibromofluoromethane
Concen: 50.841 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	268946		
111	102.0		81.5	122.3
192	24.0		18.8	28.2

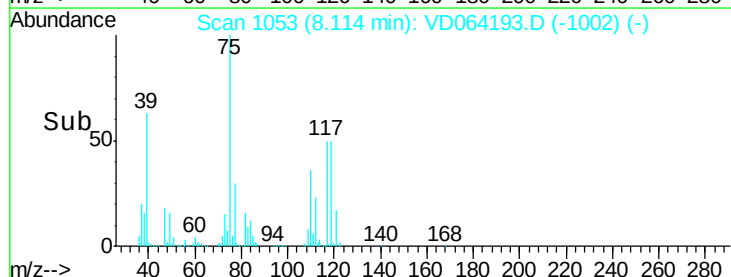
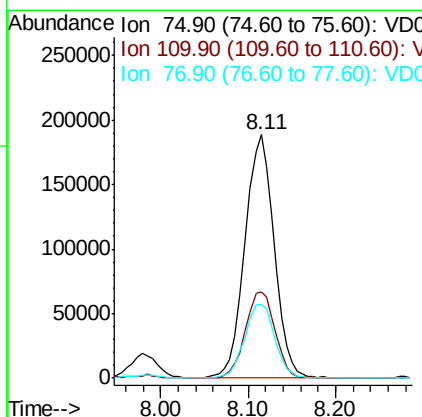
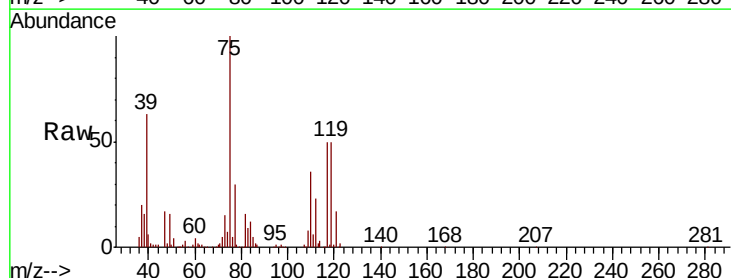
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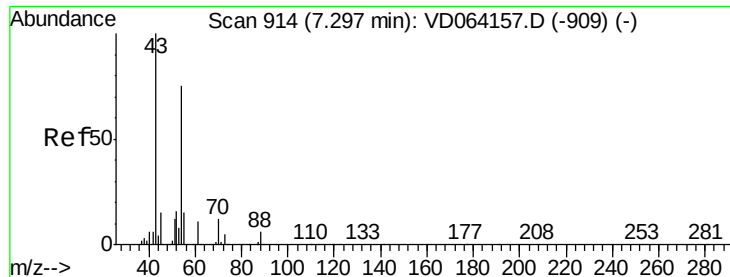
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#36
1,1-Dichloropropene
Concen: 49.959 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	424915		
110	36.1		18.3	54.9
77	31.8		25.0	37.6





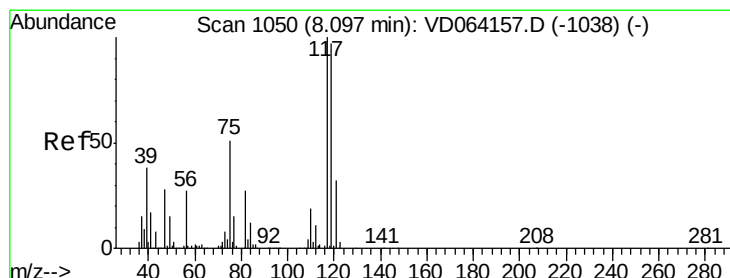
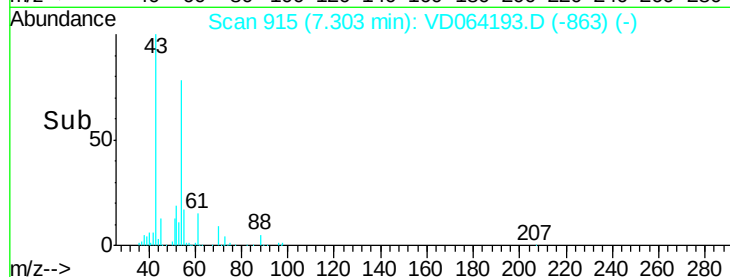
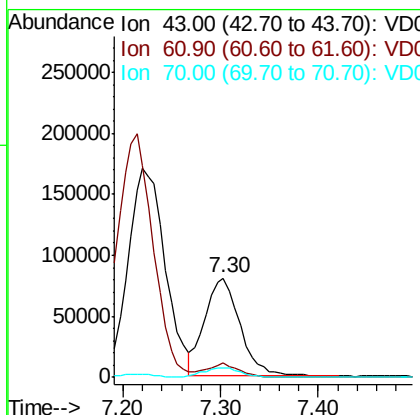
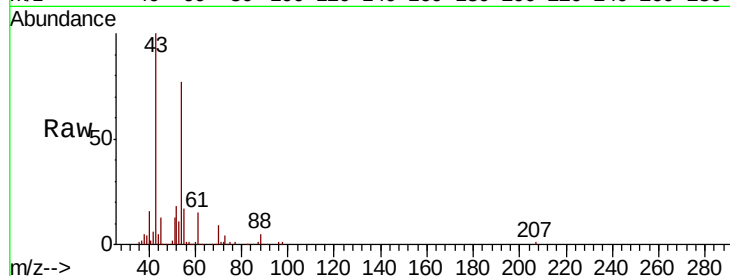
#37
Ethyl Acetate
Concen: 56.290 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	201835
Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.2	15.2
70	10.6	8.5	12.7

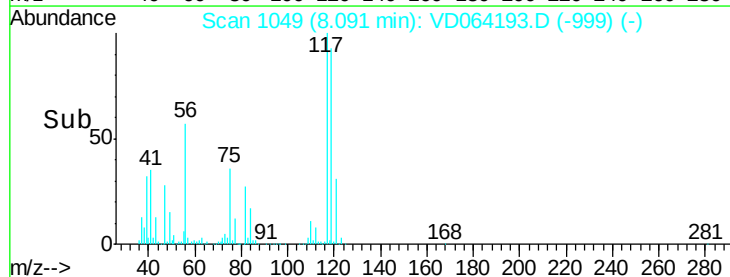
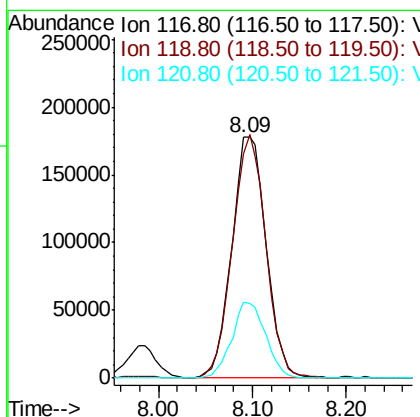
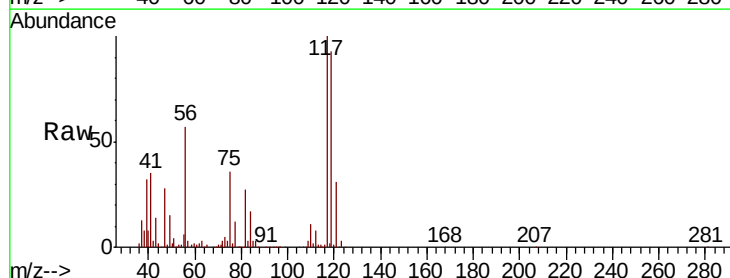
Manual Integrations
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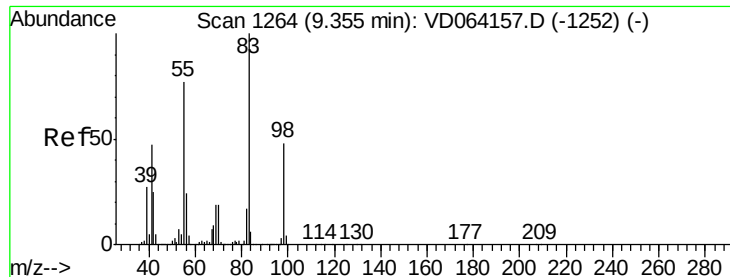
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#38
Carbon Tetrachloride
Concen: 49.439 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	117	Resp	449935
Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.2	115.8
121	31.5	25.5	38.3





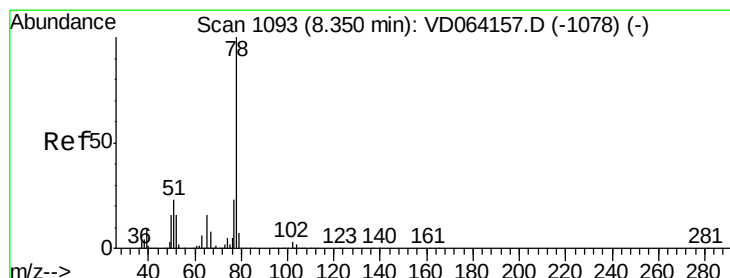
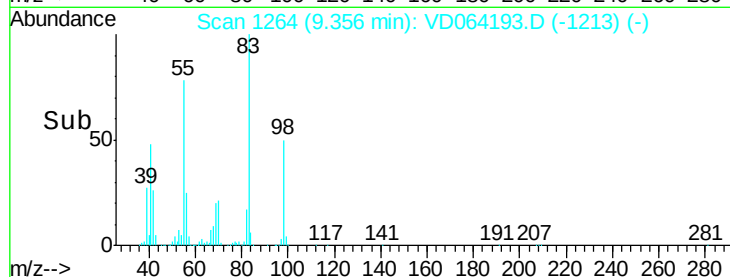
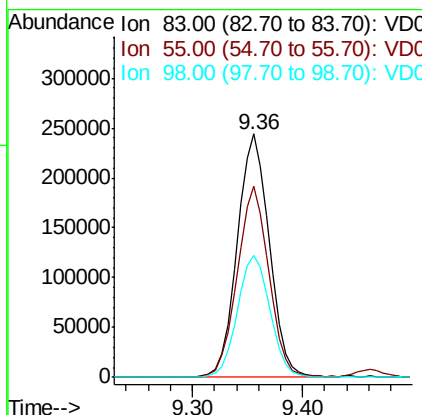
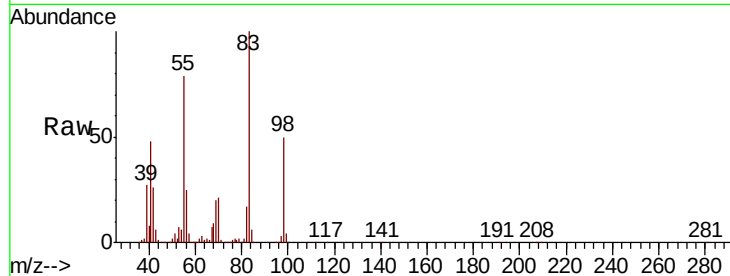
#39
Methylvlcyclohexane
Concen: 46.413 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	61.7	92.5
98	49.9	38.6	58.0

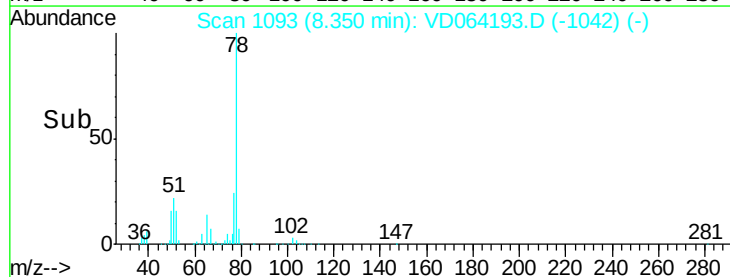
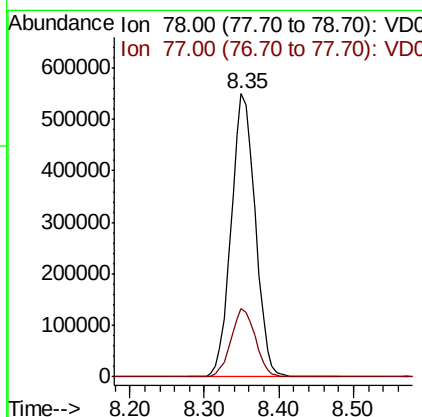
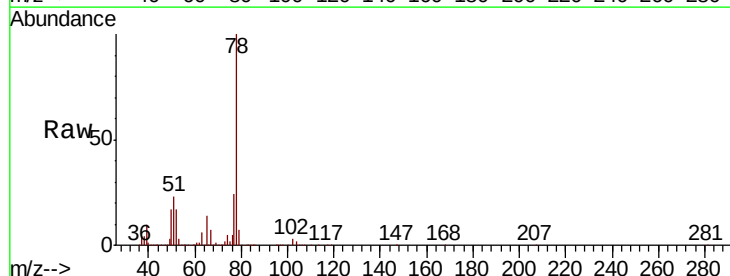
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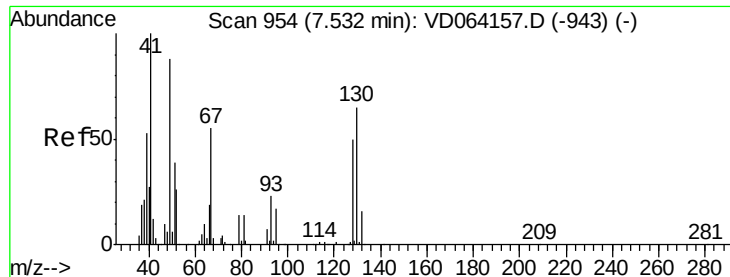
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#40
Benzene
Concen: 53.034 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	28.0





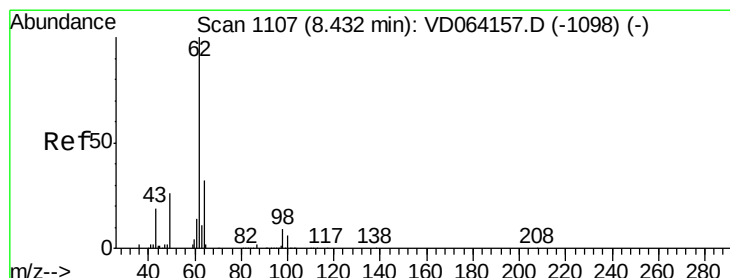
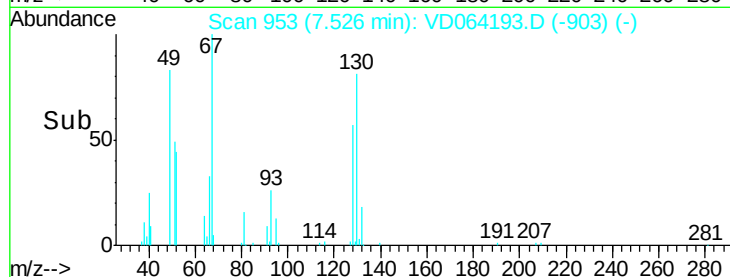
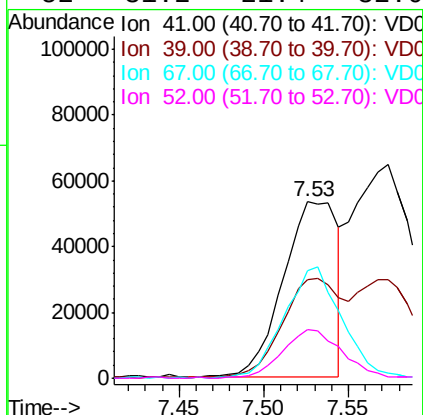
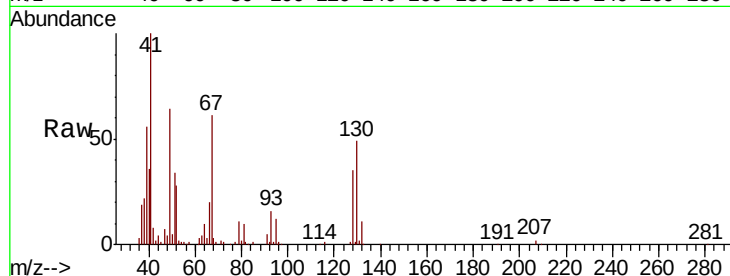
#41
Methacrylonitrile
Concen: 52.607 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.3	49.4	74.2
67	67.1	49.6	74.4
52	31.2	21.4	32.0

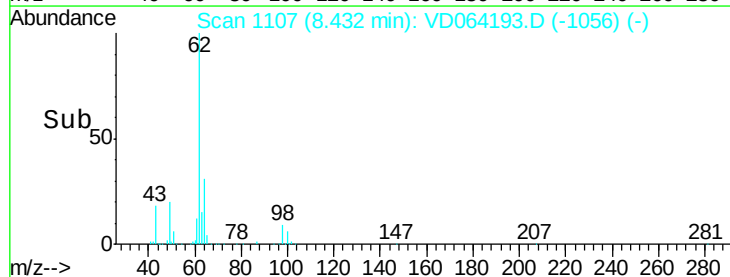
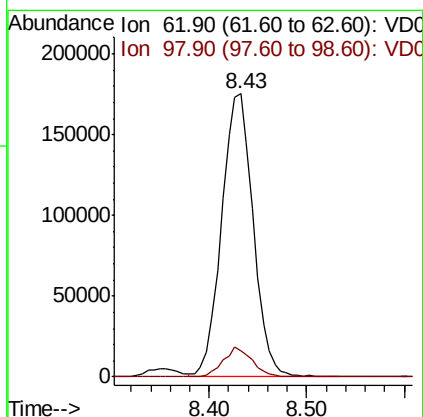
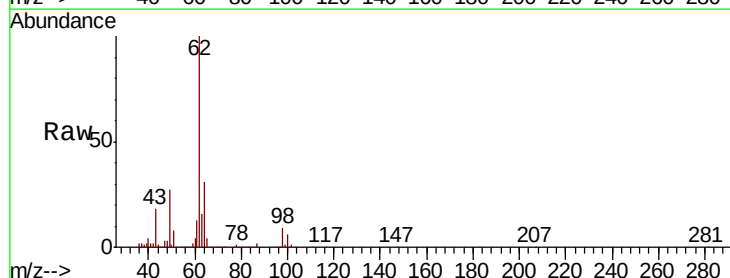
Manual Integrations
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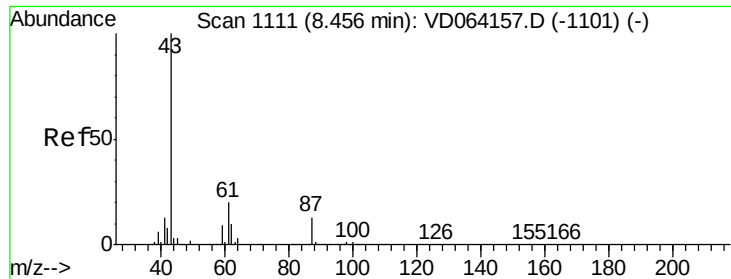
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#42
1,2-Dichloroethane
Concen: 55.975 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0





#43

Isopropyl Acetate

Concen: 56.796 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

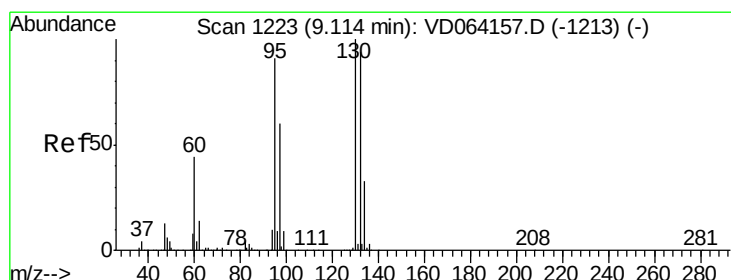
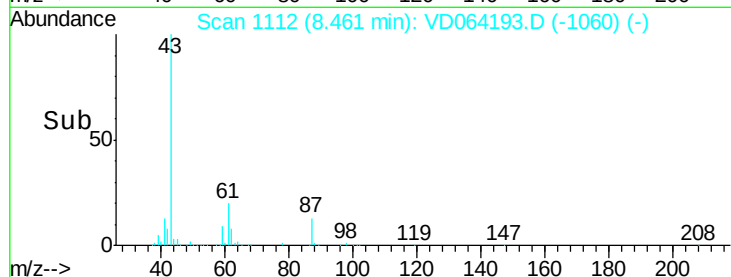
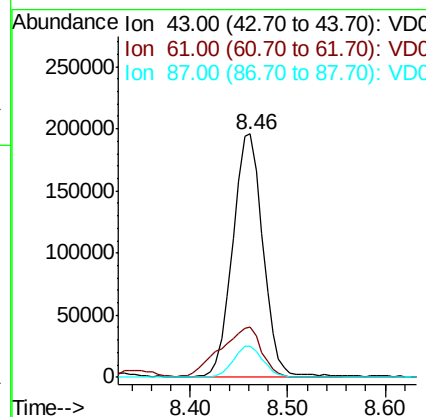
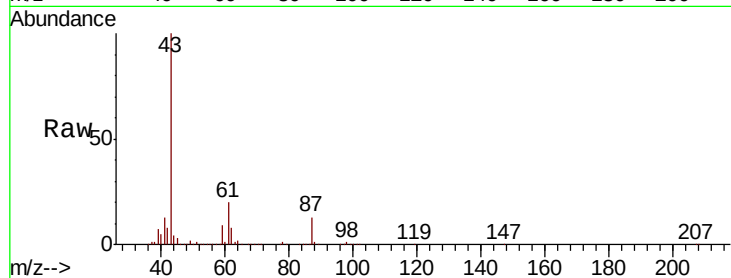
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	419600
Ion	Ratio	Lower	Upper
43	100		
61	28.1	22.9	34.3
87	12.6	10.2	15.2

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#44

Trichloroethene

Concen: 51.459 ug/l

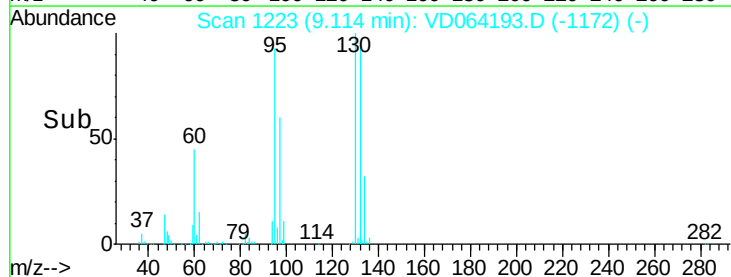
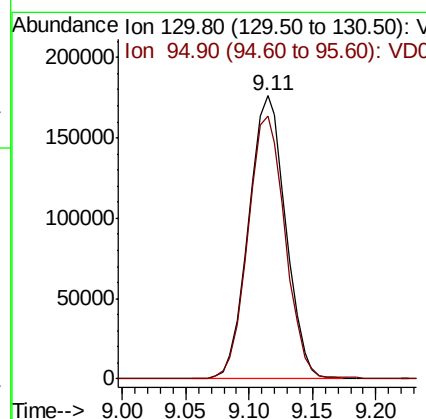
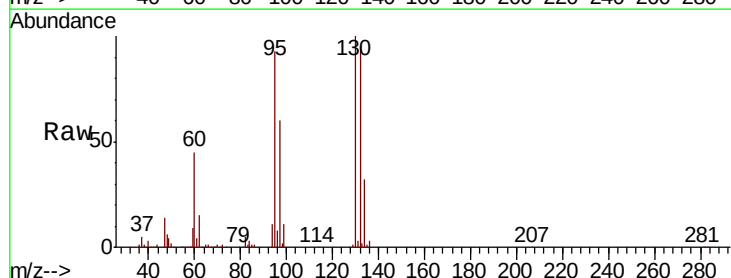
RT: 9.11 min Scan# 1223

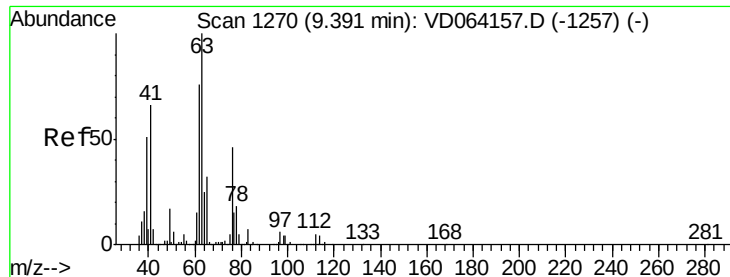
Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Tgt Ion:	130	Resp:	359007
Ion	Ratio	Lower	Upper
130	100		
95	92.8	0.0	181.6





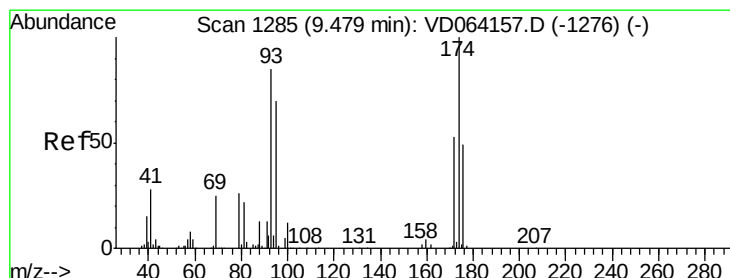
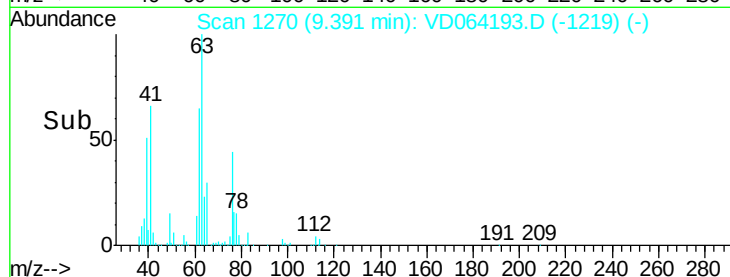
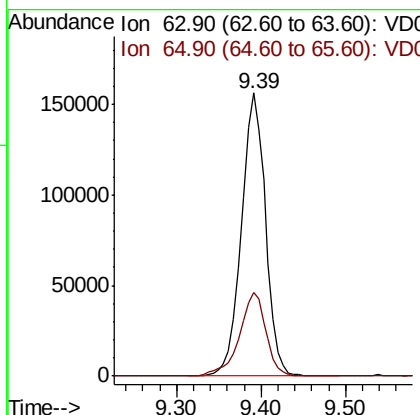
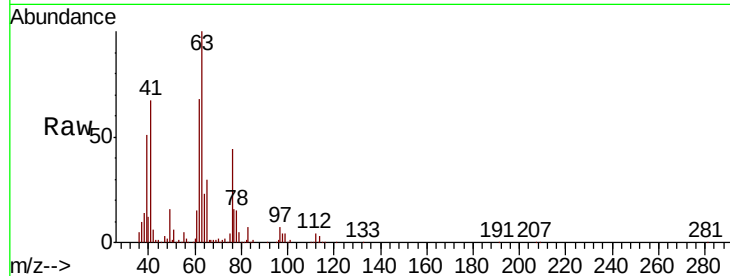
#45
 1,2-Dichloropropane
 Concen: 54.554 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	25.7	38.5

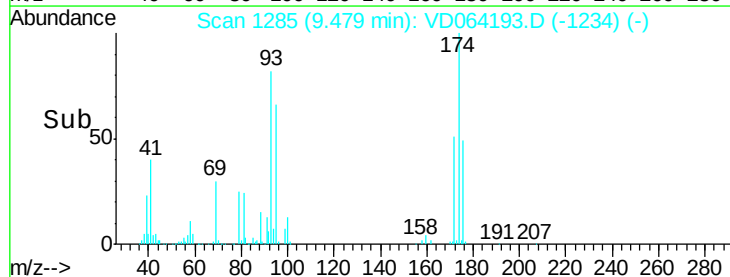
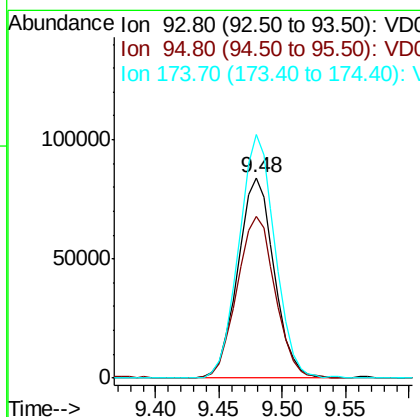
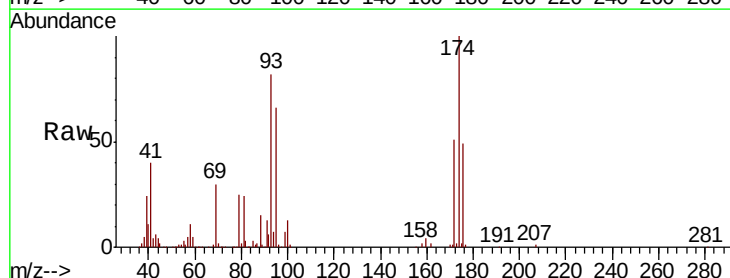
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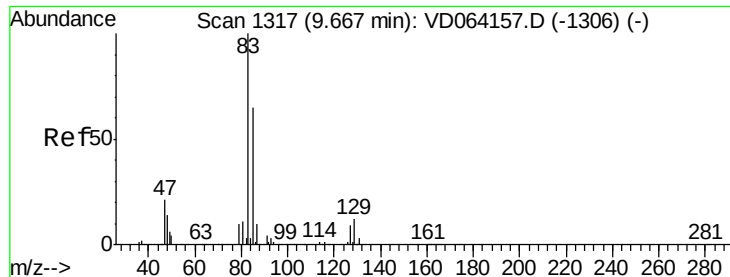
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 11/12/2019 10:26:06 AM



#46
 Dibromomethane
 Concen: 55.078 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.7	65.5	98.3
174	121.3	93.9	140.9





#47

Bromodichloromethane

Concen: 55.737 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

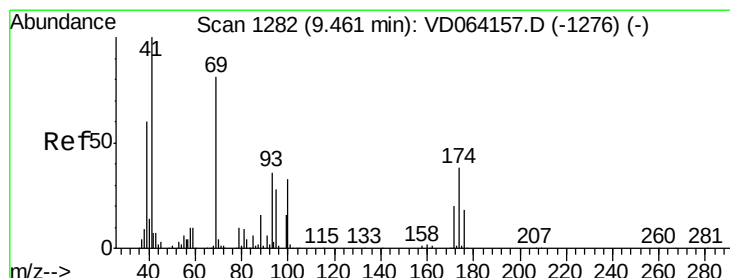
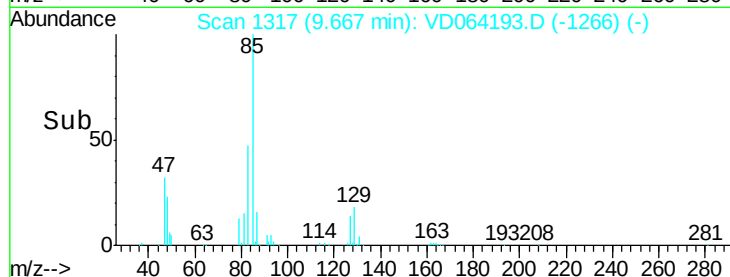
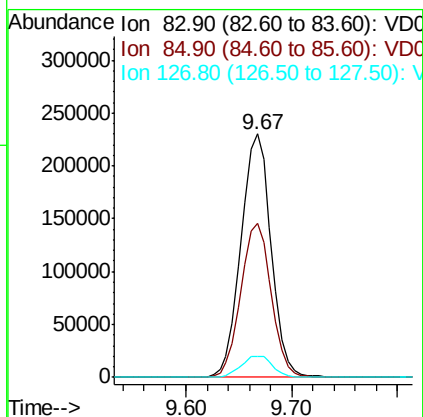
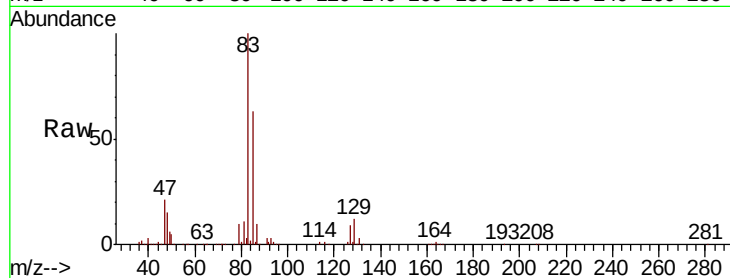
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	454748
Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.4
127	8.8	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.066 ug/l

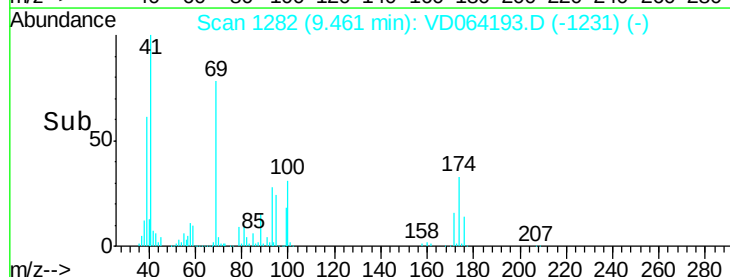
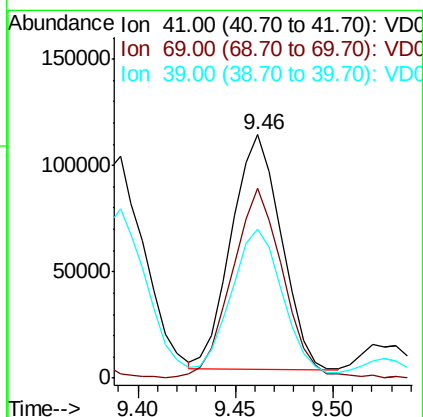
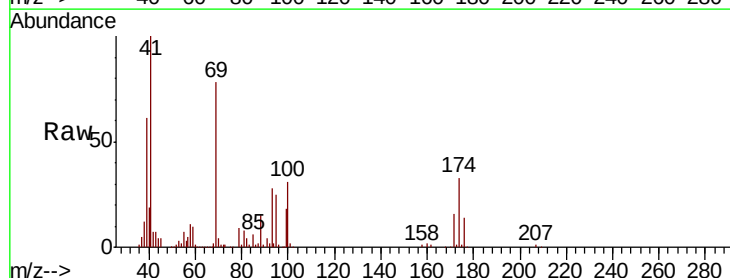
RT: 9.46 min Scan# 1282

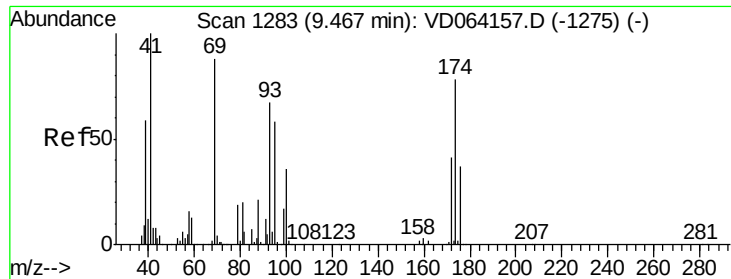
Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Tgt Ion:	41	Resp:	195314
Ion	Ratio	Lower	Upper
41	100		
69	82.1	64.6	97.0
39	67.4	48.2	72.2





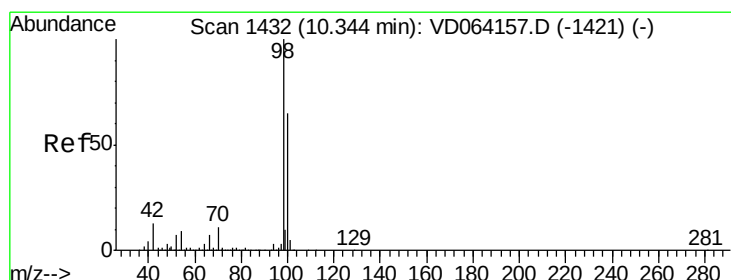
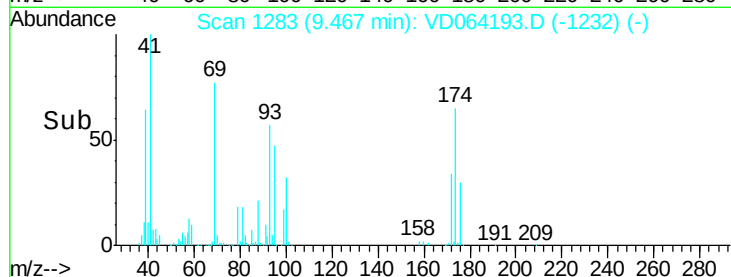
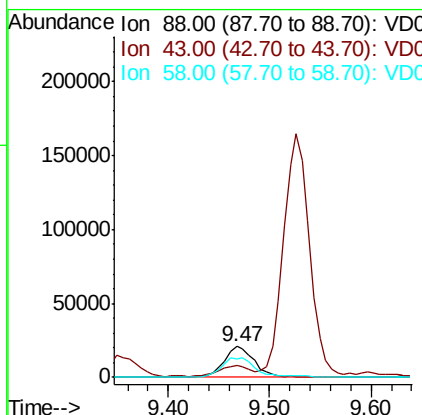
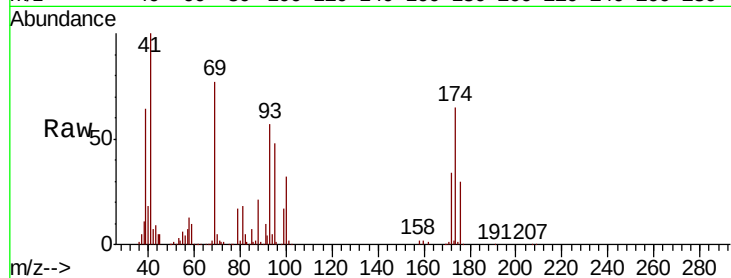
#49
1,4-Dioxane
Concen: 1192.936 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	29.8	44.8
58	72.0	58.1	87.1

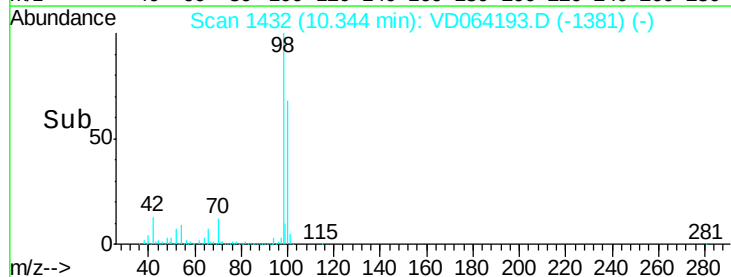
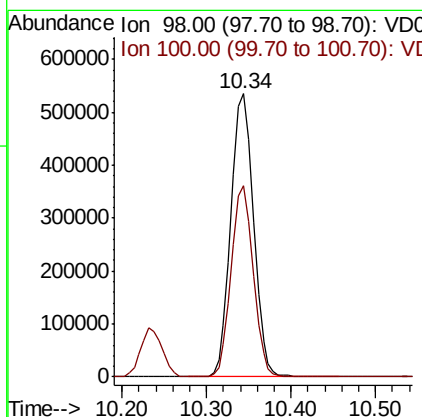
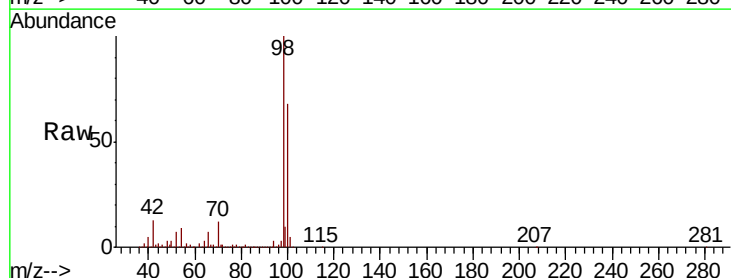
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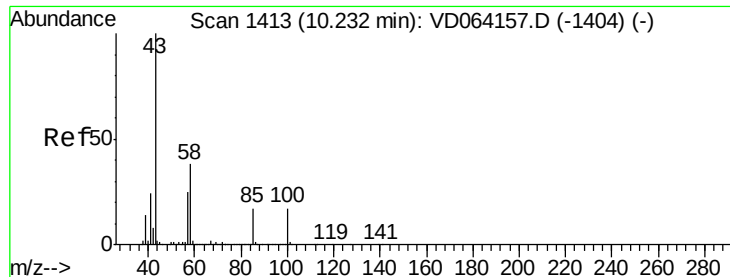
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#50
Toluene-d8
Concen: 49.537 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.6	78.8





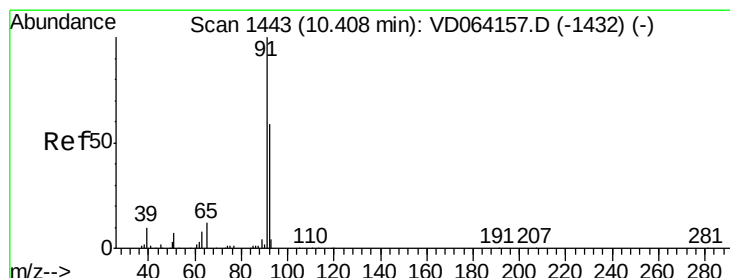
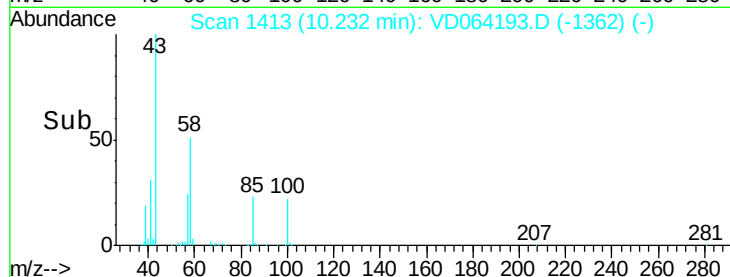
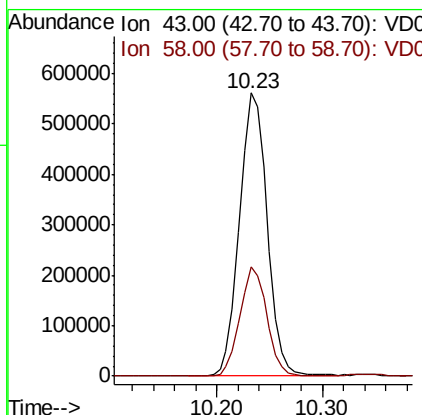
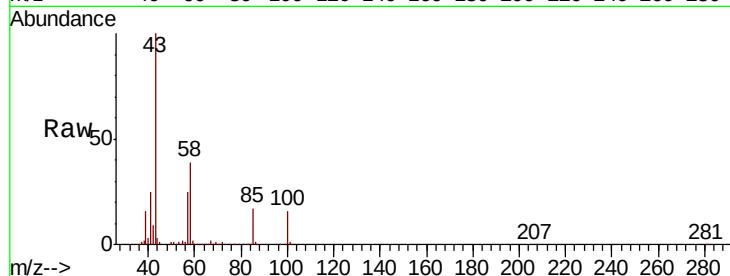
#51
4-Methyl-2-Pentanone
Concen: 288.206 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1021056
Ion Ratio Lower Upper
43 100
58 37.6 30.2 45.4

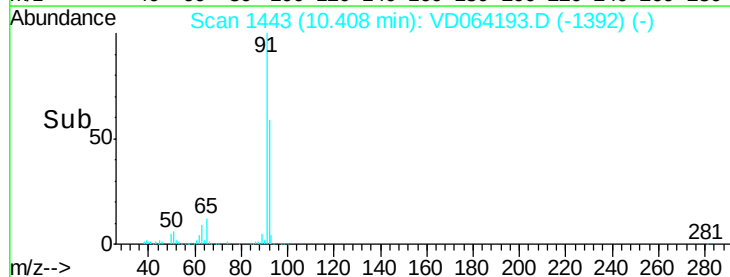
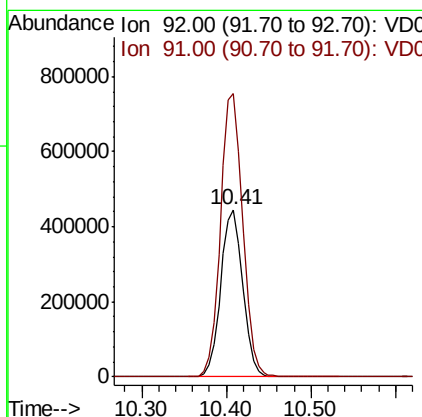
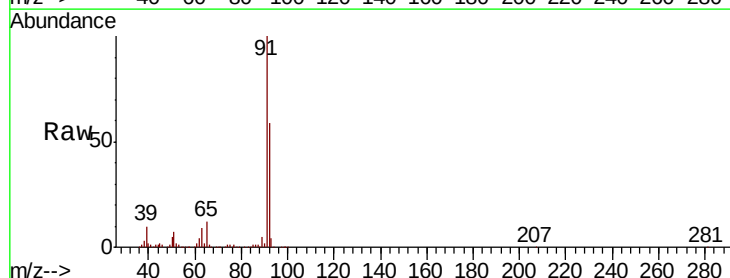
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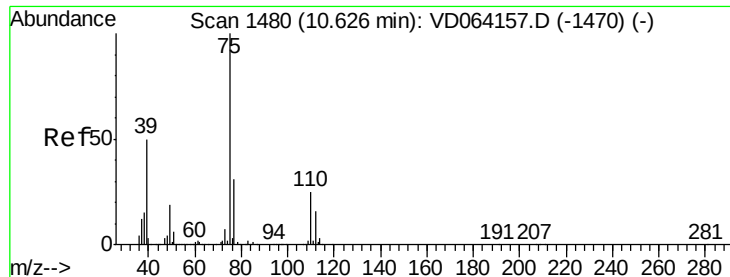
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#52
Toluene
Concen: 52.711 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion: 92 Resp: 805691
Ion Ratio Lower Upper
92 100
91 170.9 136.4 204.6





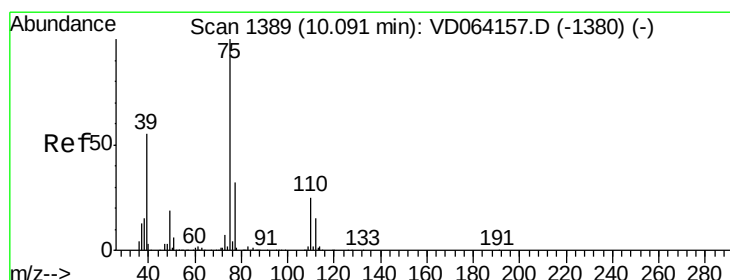
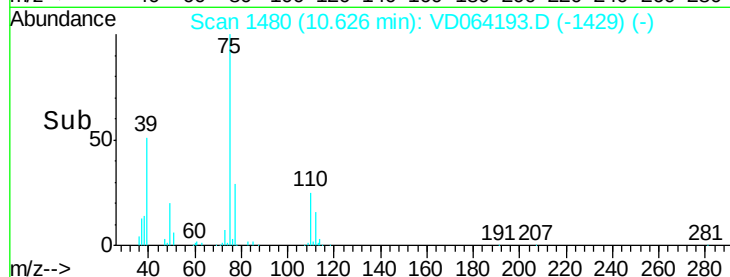
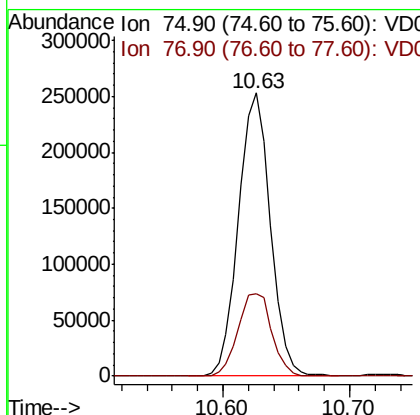
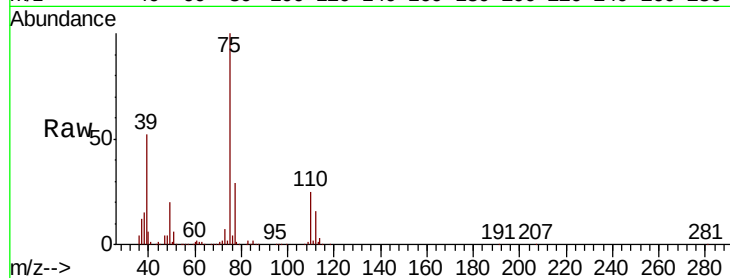
#53
t-1,3-Dichloropropene
Concen: 54.045 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 441753
Ion Ratio Lower Upper
75 100
77 29.3 24.7 37.1

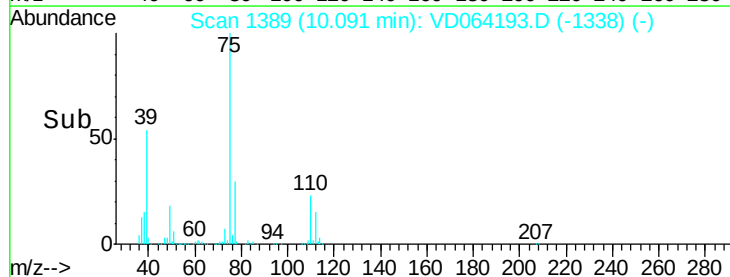
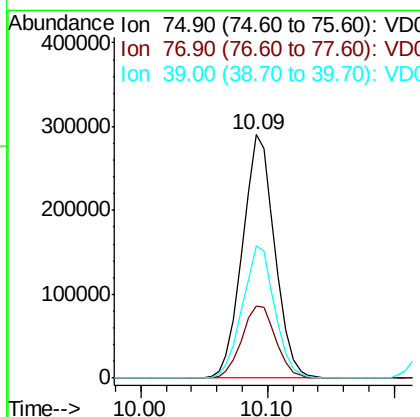
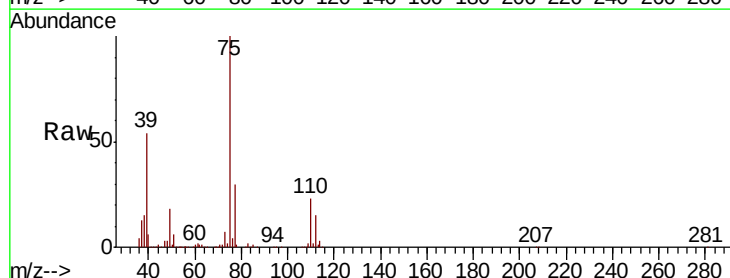
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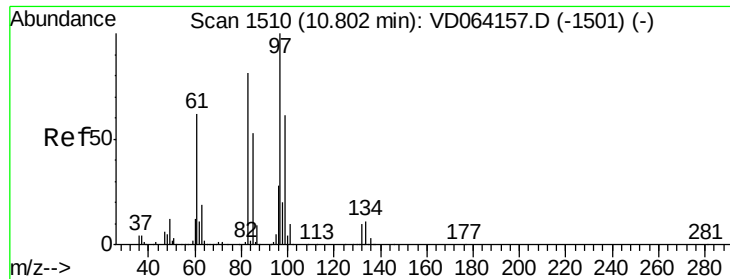
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#54
cis-1,3-Dichloropropene
Concen: 53.819 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion: 75 Resp: 513332
Ion Ratio Lower Upper
75 100
77 29.8 25.2 37.8
39 54.2 44.2 66.2





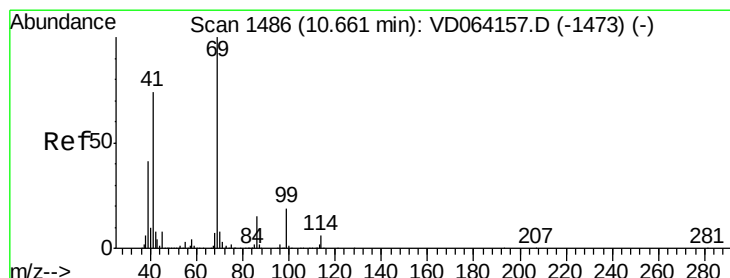
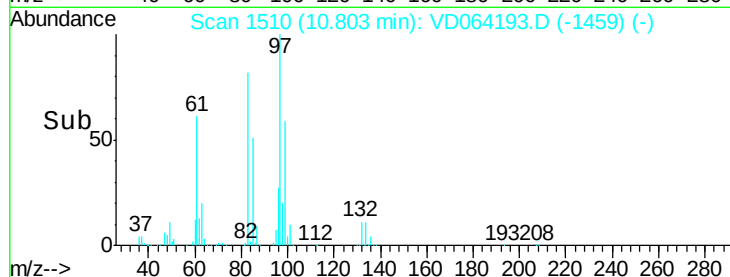
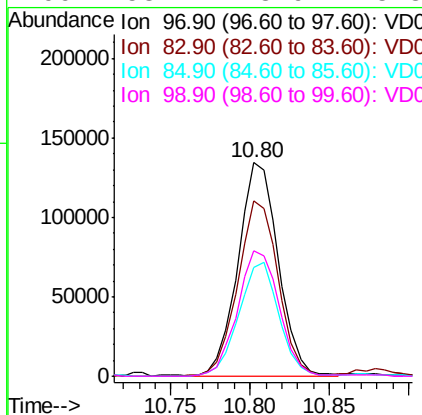
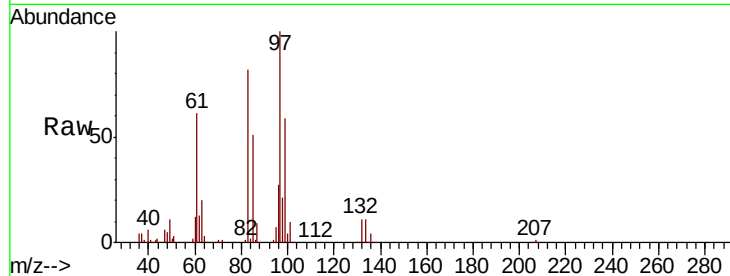
#55
 1,1,2-Trichloroethane
 Concen: 57.999 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		238316		
83	81.6	65.1	97.7		
85	50.6	42.0	63.0		
99	58.7	48.9	73.3		

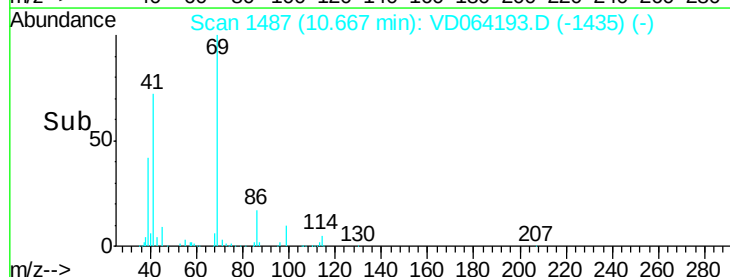
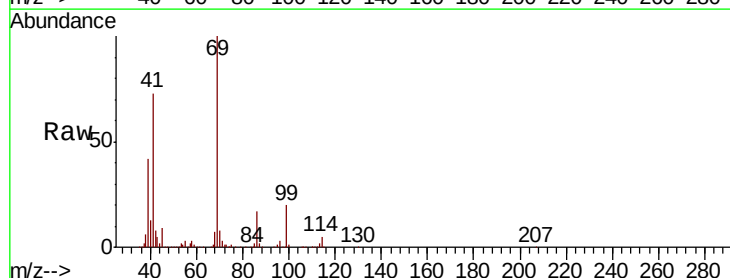
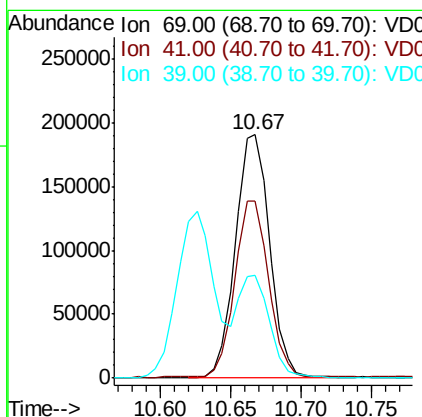
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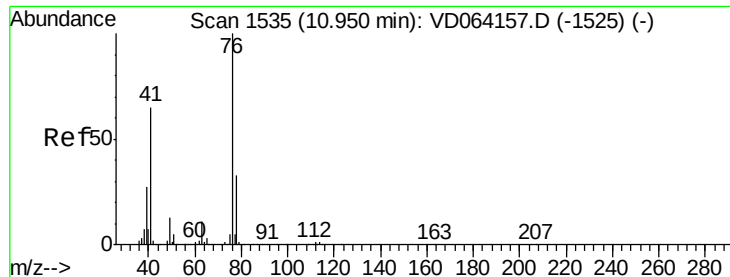
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#56
 Ethyl methacrylate
 Concen: 56.502 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		324772		
41	71.0	57.9	86.9		
39	38.1	29.0	43.4		





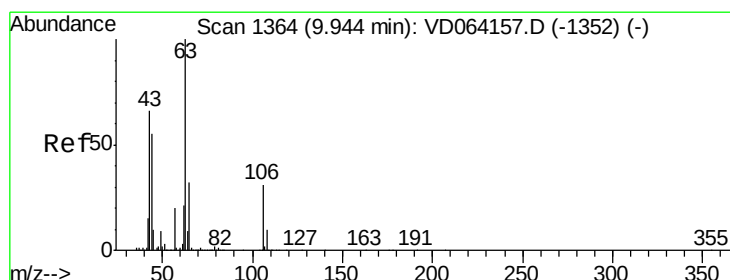
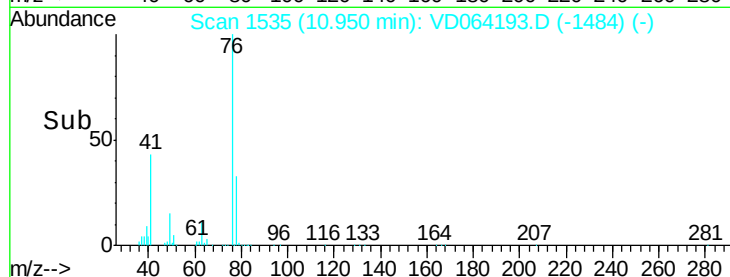
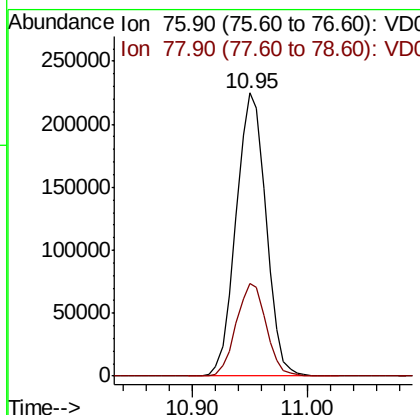
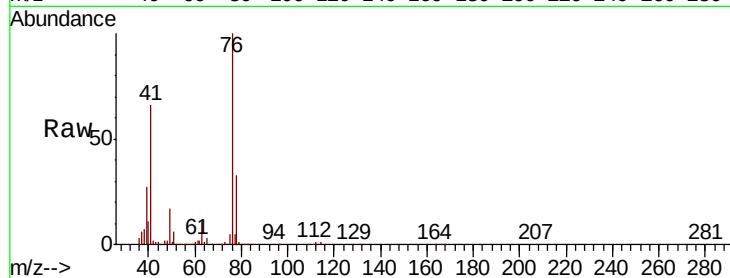
#57
 1,3-Dichloropropane
 Concen: 56.348 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 403793
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4

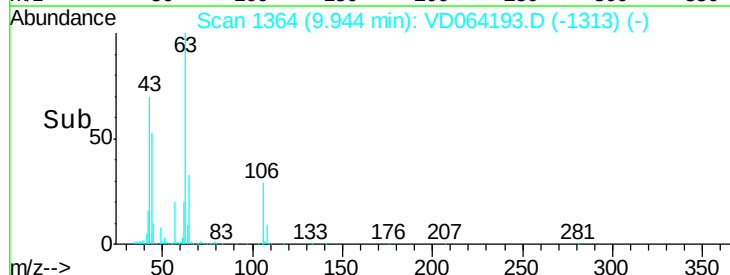
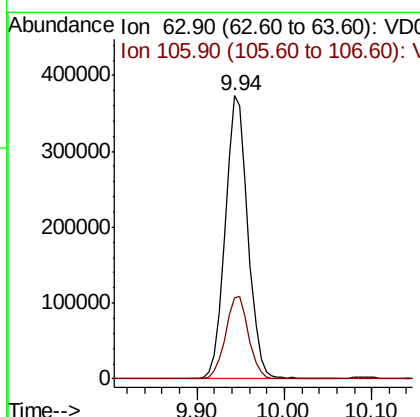
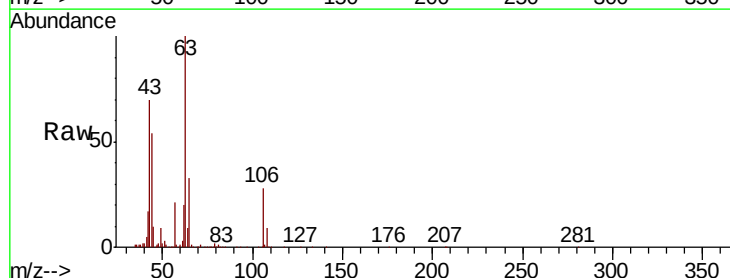
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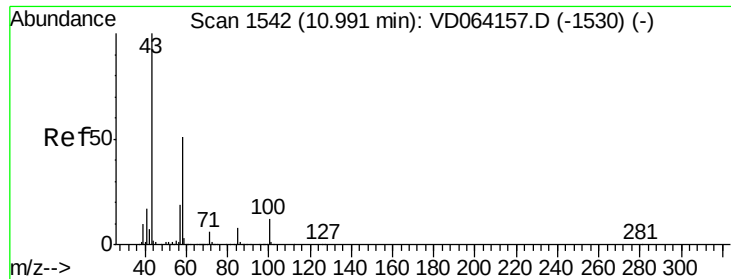
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 283.868 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion: 63 Resp: 660941
 Ion Ratio Lower Upper
 63 100
 106 29.7 24.1 36.1





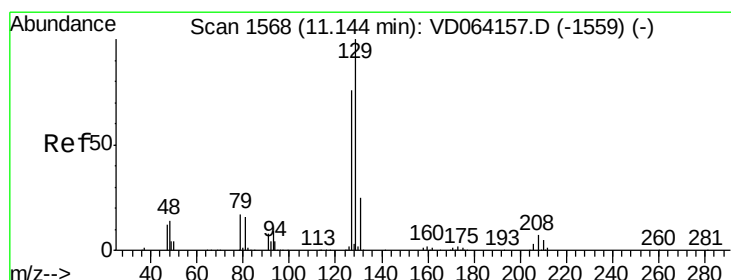
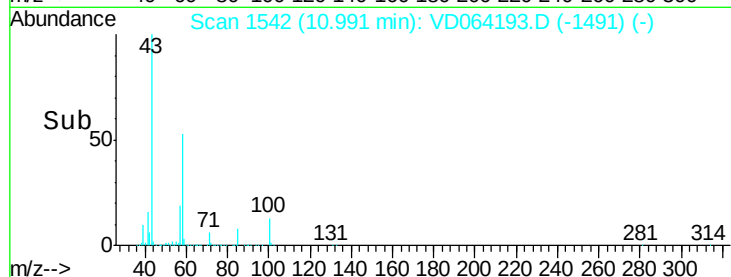
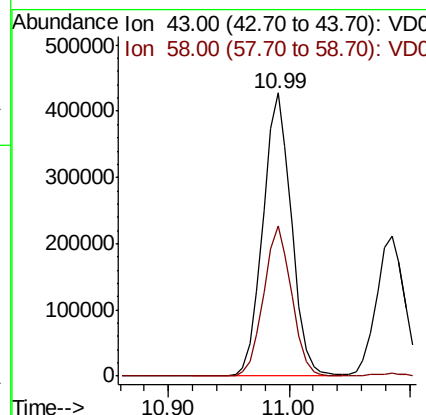
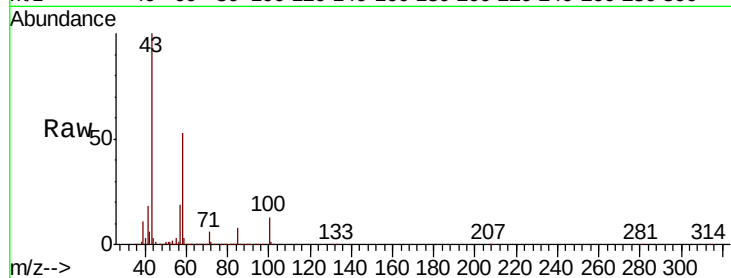
#59
2-Hexanone
Concen: 278.985 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.4	25.9	77.7

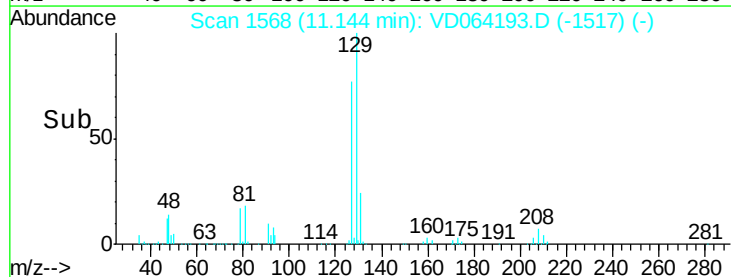
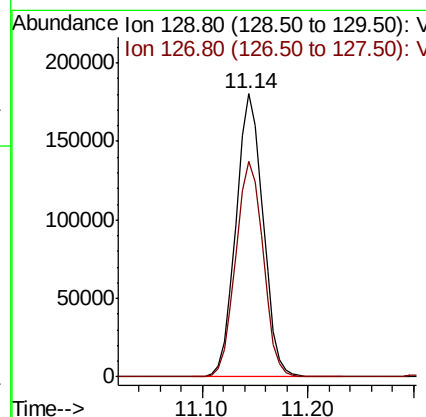
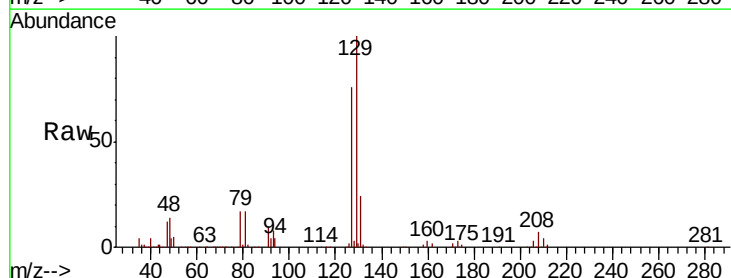
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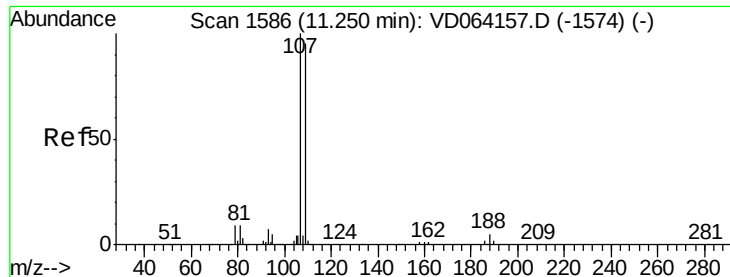
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#60
Dibromochloromethane
Concen: 55.700 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.8





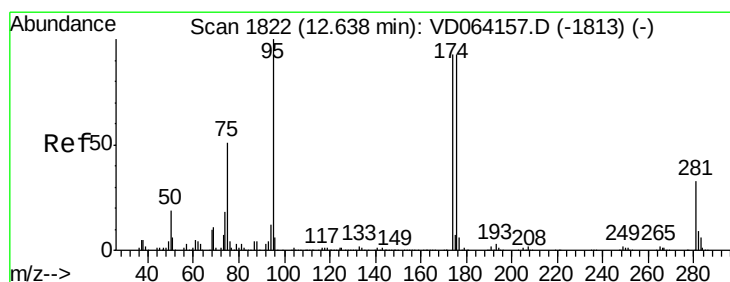
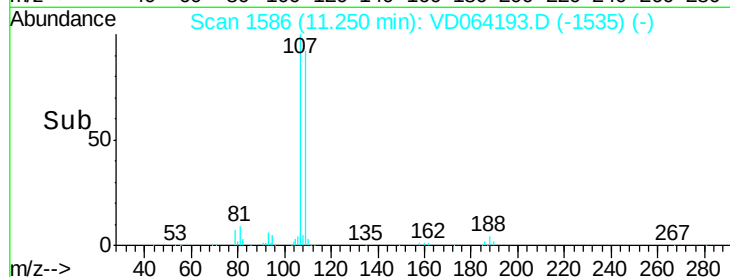
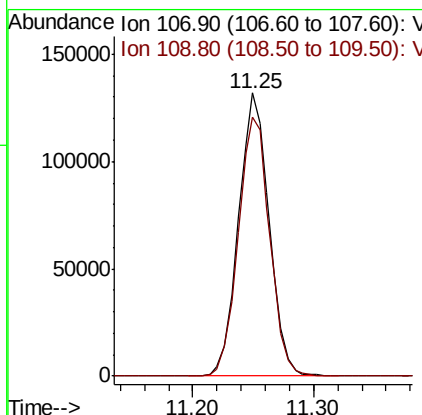
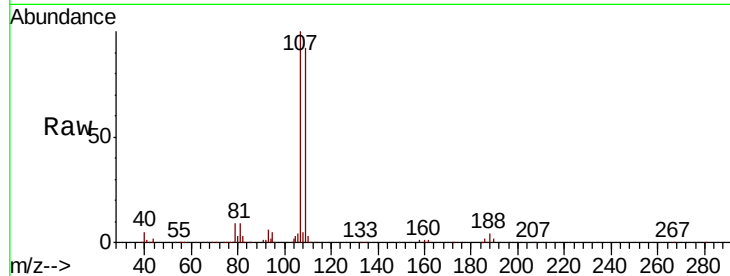
#61
 1,2-Dibromoethane
 Concen: 56.448 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	232317		
109	94.2	75.1	112.7	

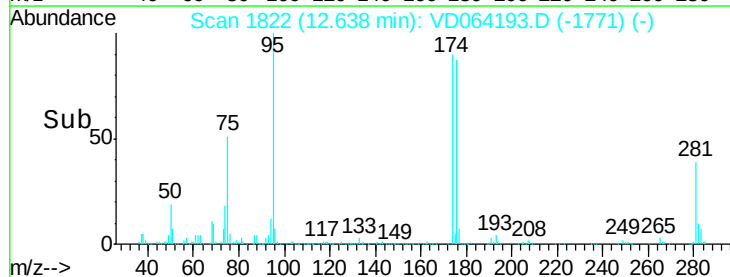
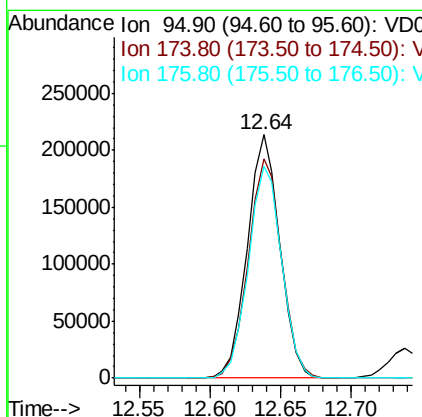
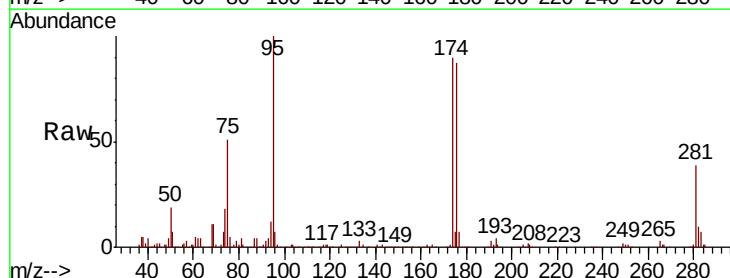
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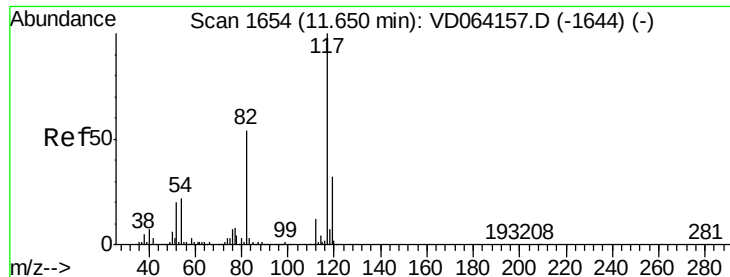
MMDadoda
 11/12/2019 10:26:06 AM



#62
 4-Bromofluorobenzene
 Concen: 50.095 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	346203		
174	92.1	0.0	183.6	
176	89.3	0.0	180.2	





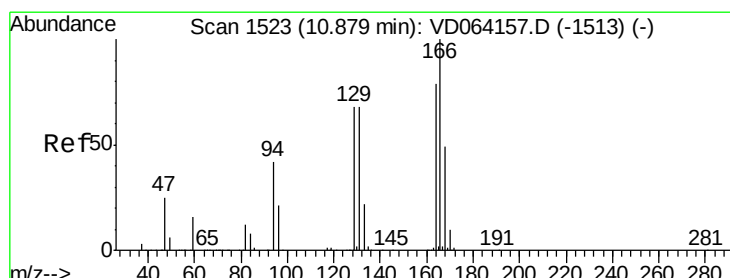
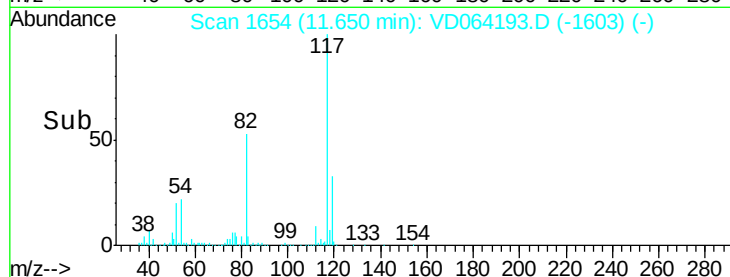
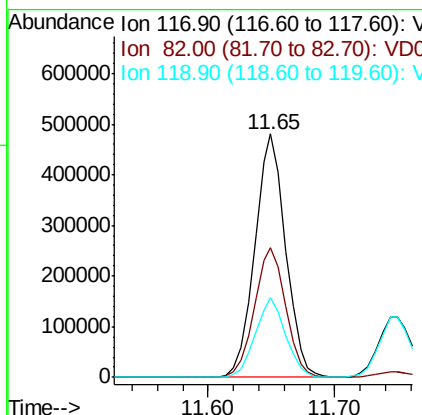
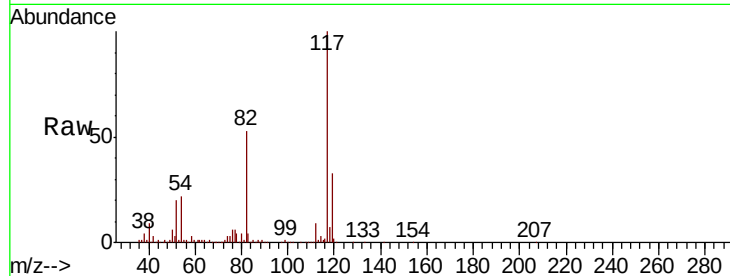
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.8	64.2
119	32.6	25.6	38.4

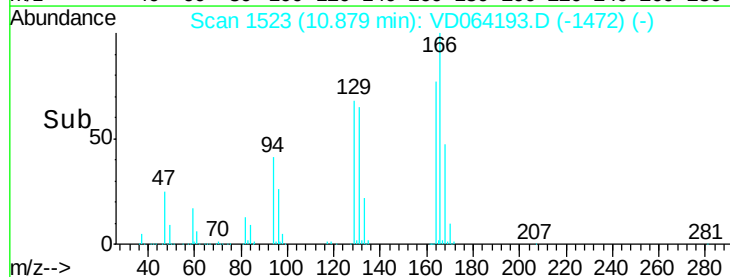
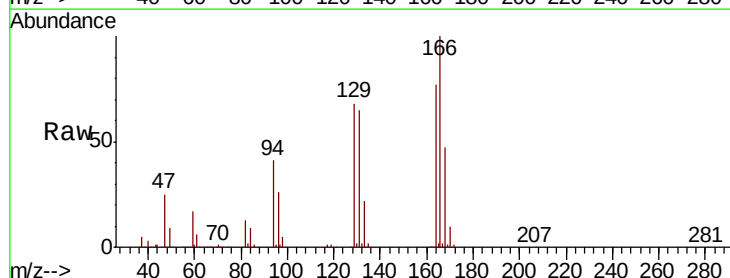
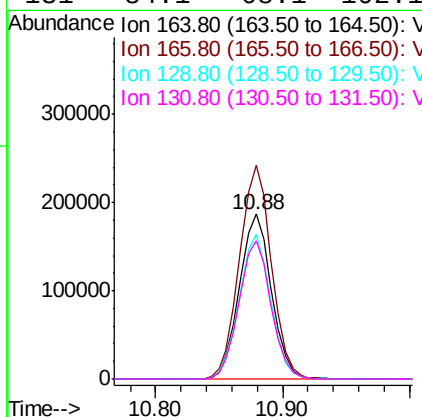
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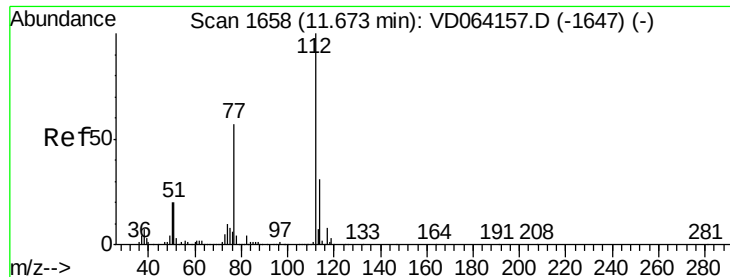
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#64
Tetrachloroethene
Concen: 52.412 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	100.8	151.2
129	88.1	68.7	103.1
131	84.1	68.1	102.1





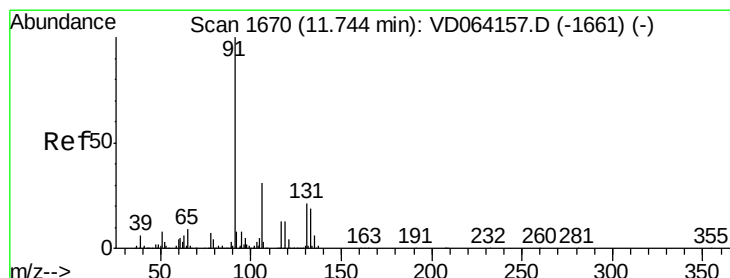
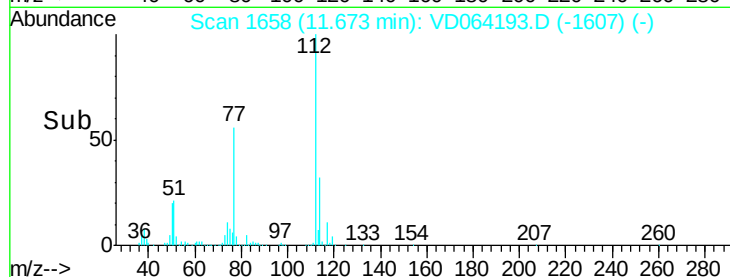
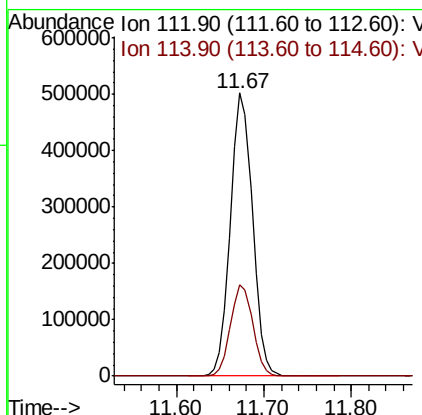
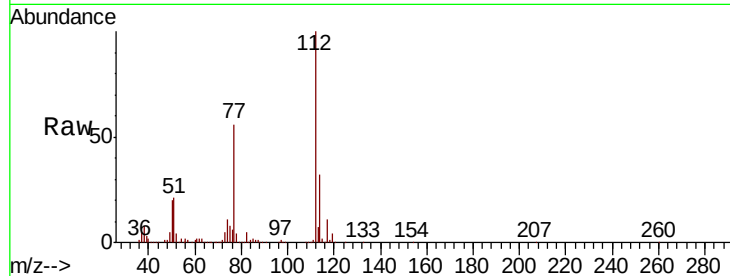
#65
Chlorobenzene
Concen: 51.874 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.2	37.8

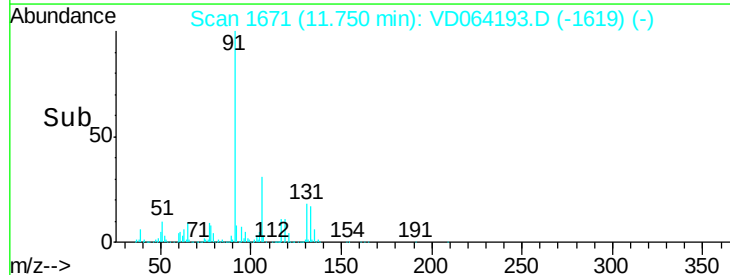
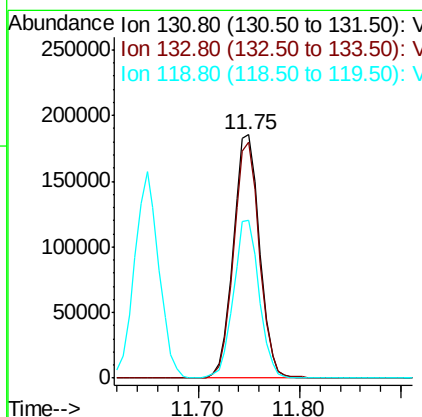
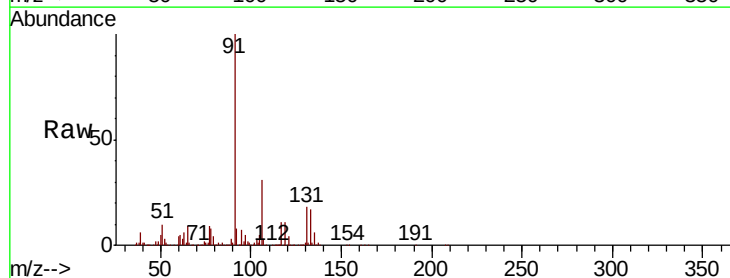
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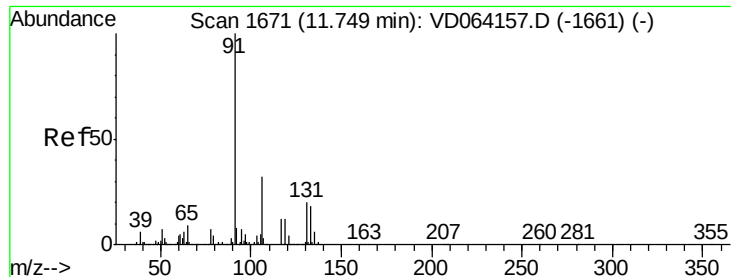
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.983 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.3	141.9
119	63.6	31.1	93.3





#67

Ethyl Benzene

Concen: 57.428 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1714839

Ion Ratio Lower Upper

91 100

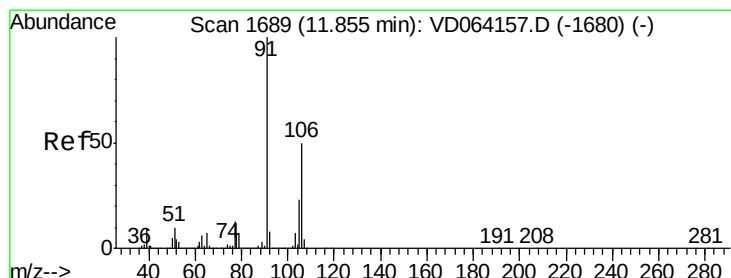
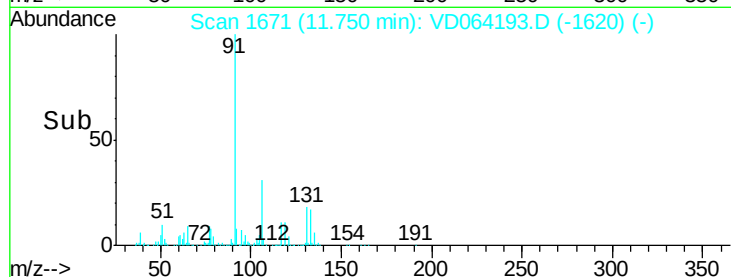
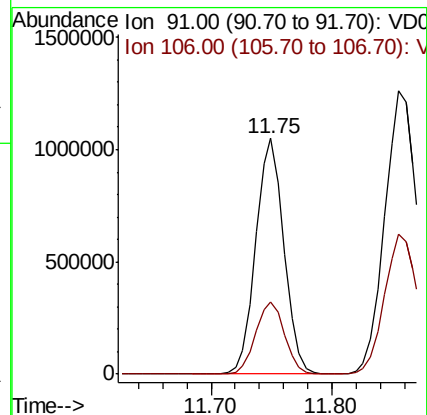
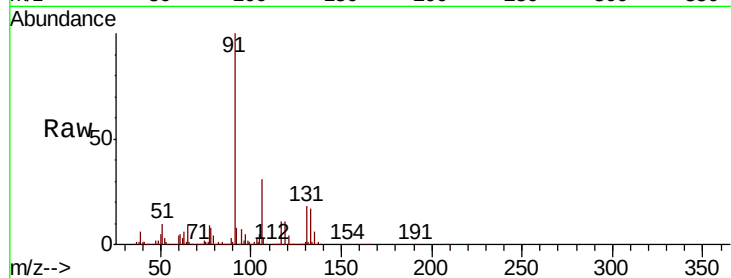
106 30.7 25.5 38.3

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#68

m/p-Xylenes

Concen: 104.268 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064193.D

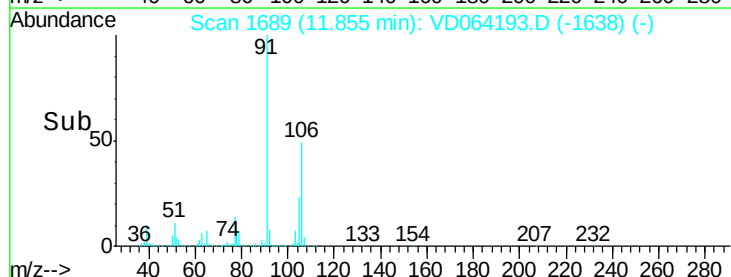
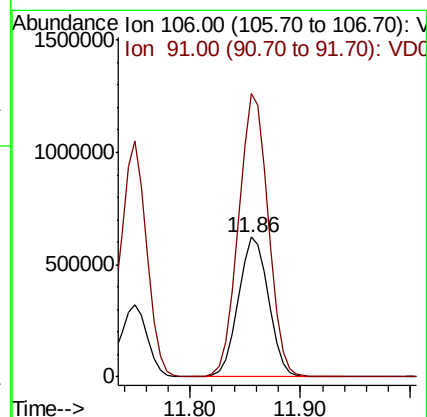
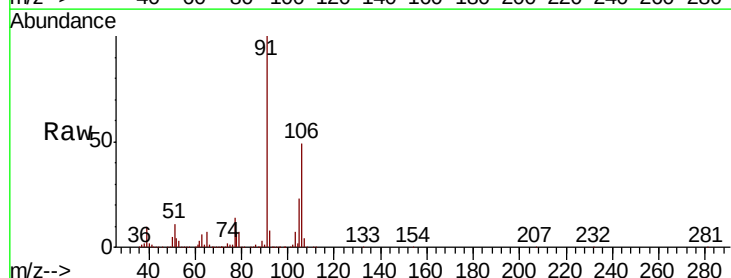
Acq: 11 Nov 2019 22:32

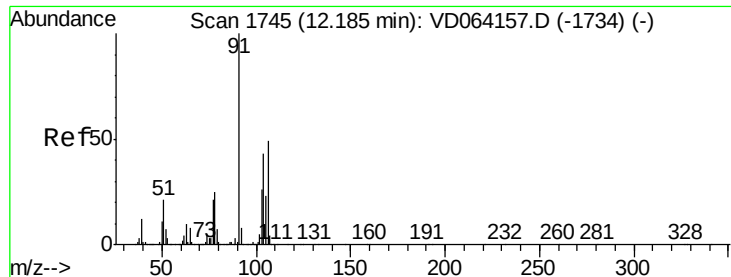
Tgt Ion: 106 Resp: 1193417

Ion Ratio Lower Upper

106 100

91 200.3 160.3 240.5





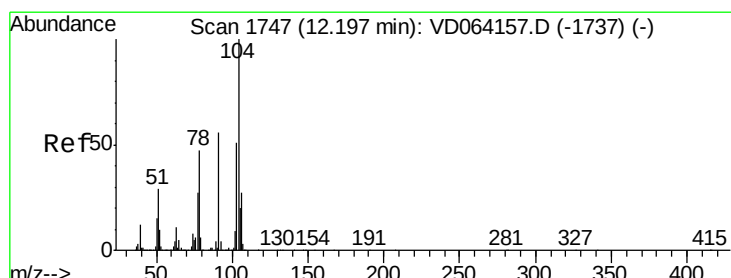
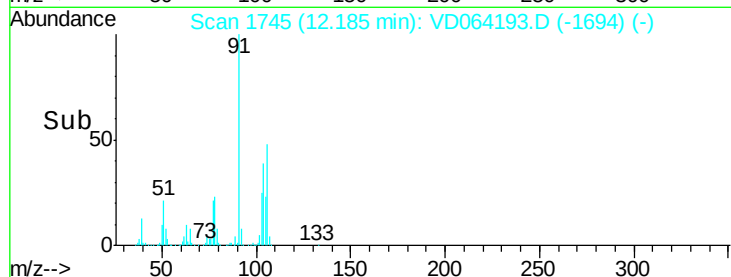
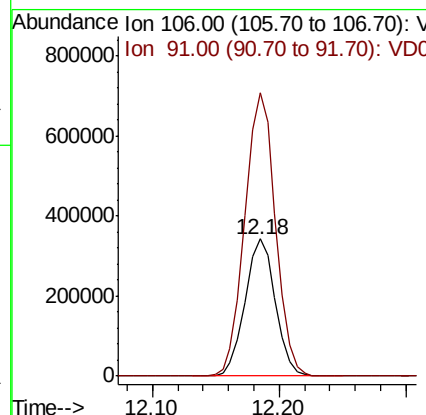
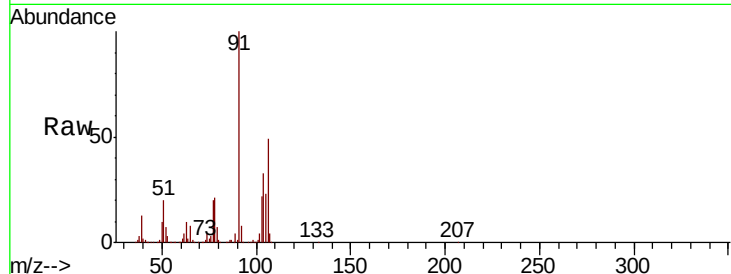
#69
o-Xylene
Concen: 53.389 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.8	105.1	315.3

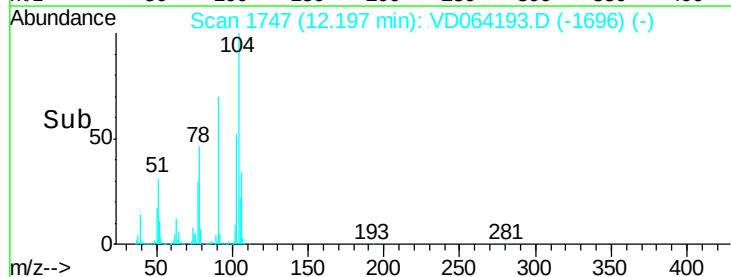
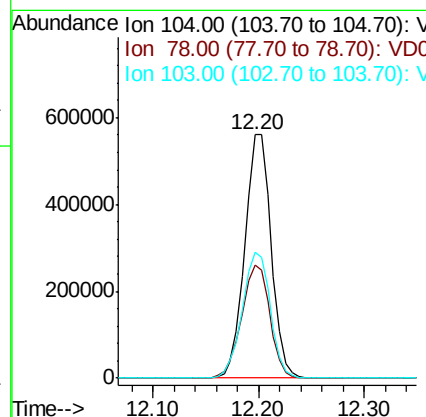
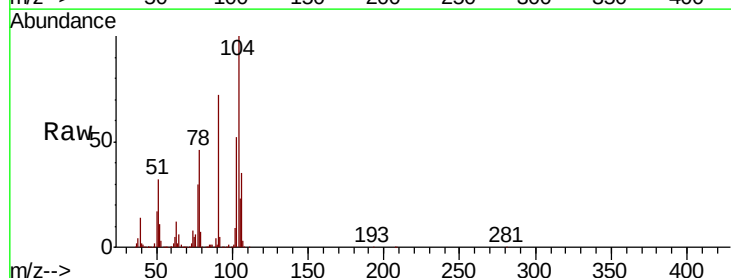
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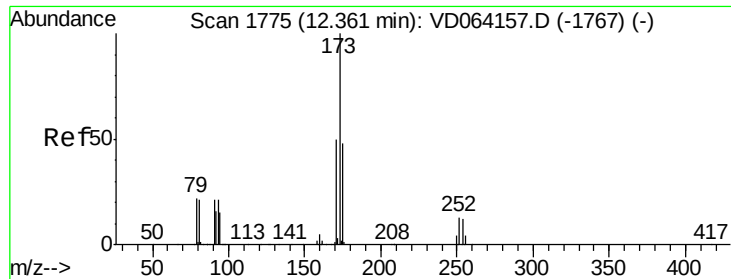
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#70
Styrene
Concen: 52.364 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.9	59.9
103	54.8	43.4	65.0





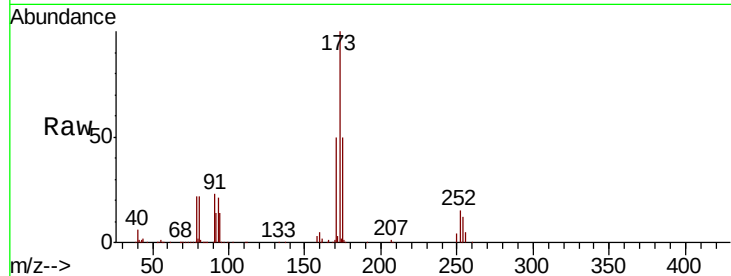
#71
Bromoform
Concen: 56.049 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

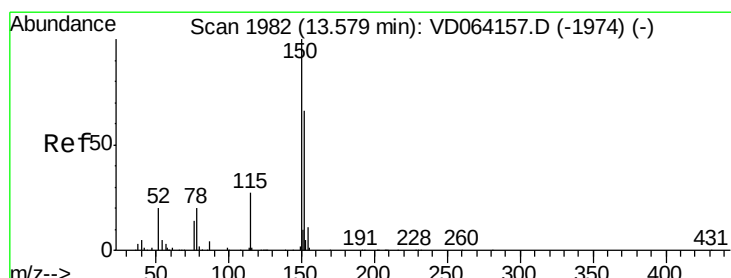
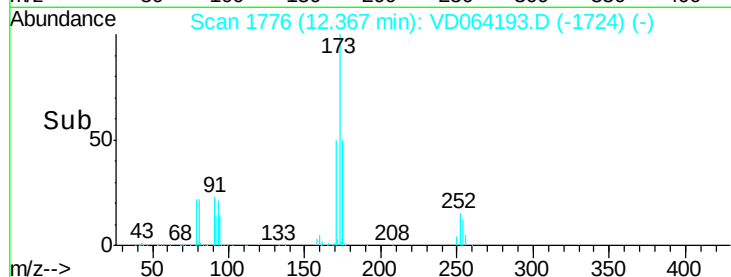
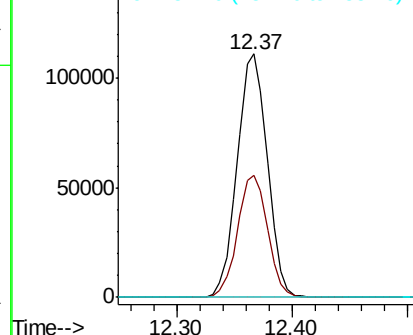
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.1	72.3
254	0.1	0.2	0.2#

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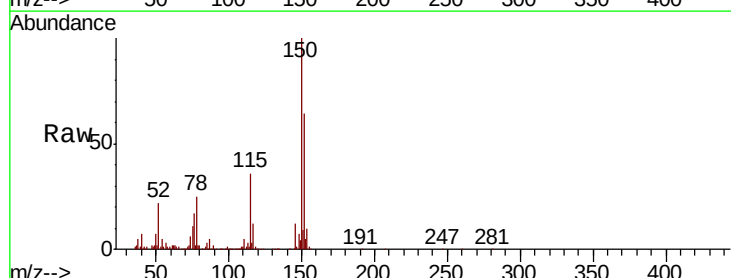


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

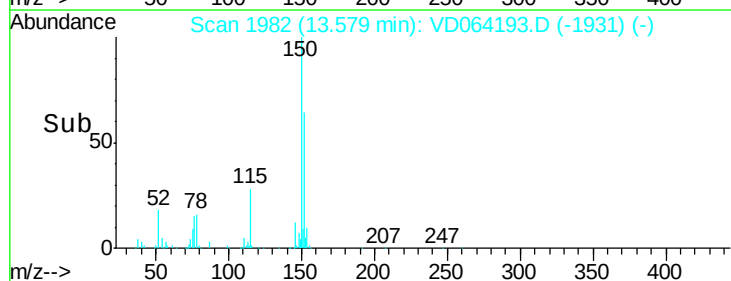
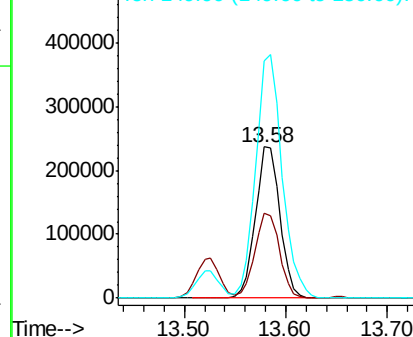


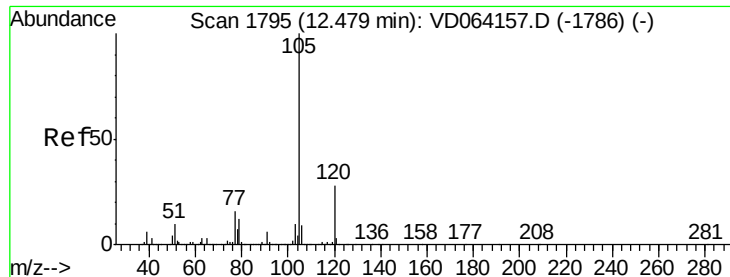
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.4	82.2
150	174.2	0.0	351.6



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





#73

Isopropylbenzene

Concen: 50.548 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1473626

Ion Ratio Lower Upper

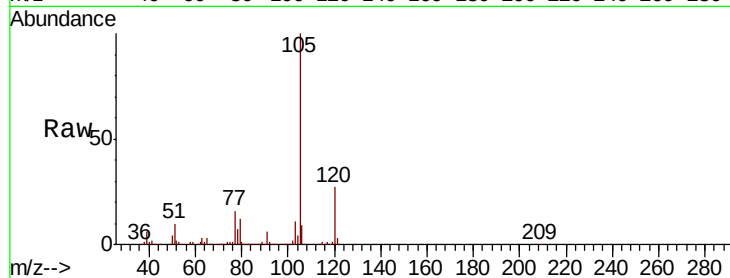
105 100

120 26.7 13.6 40.8

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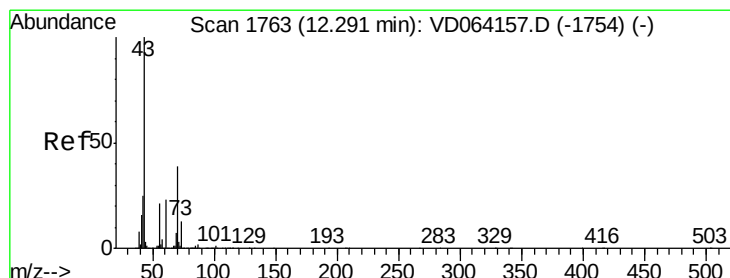
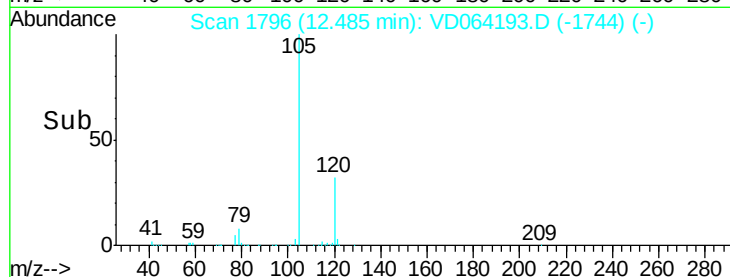
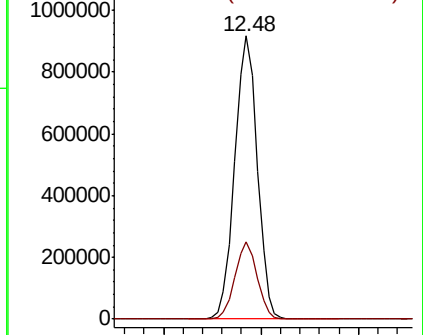
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.458 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Tgt Ion: 43 Resp: 374910

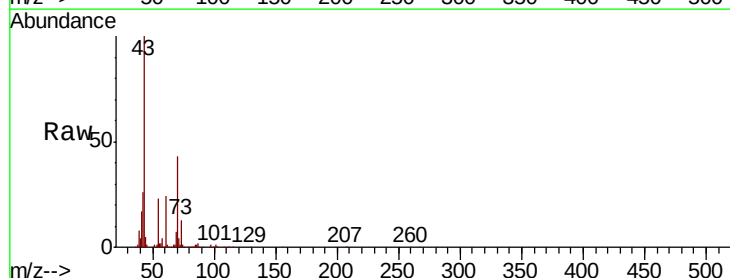
Ion Ratio Lower Upper

43 100

70 41.4 32.4 48.6

55 22.1 17.9 26.9

61 23.5 19.0 28.4

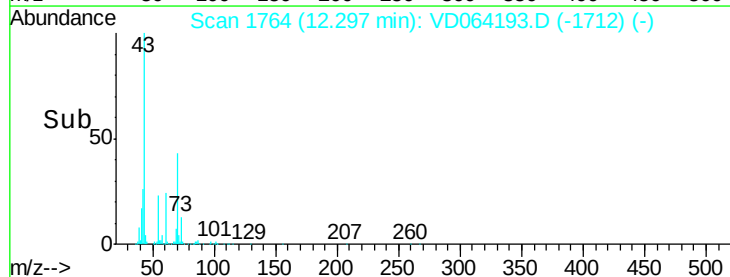
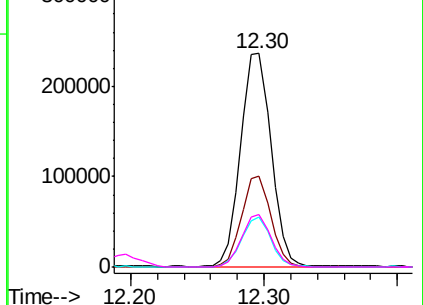


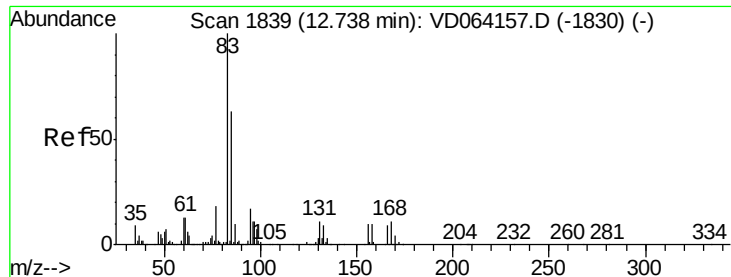
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 55.326 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

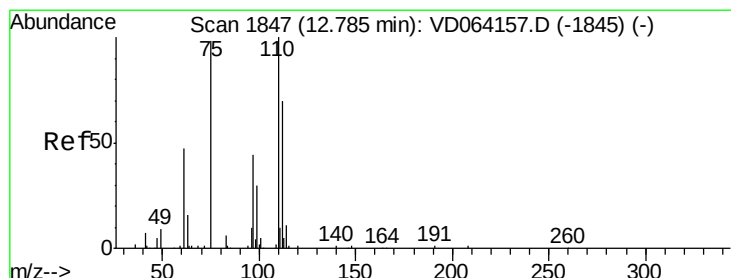
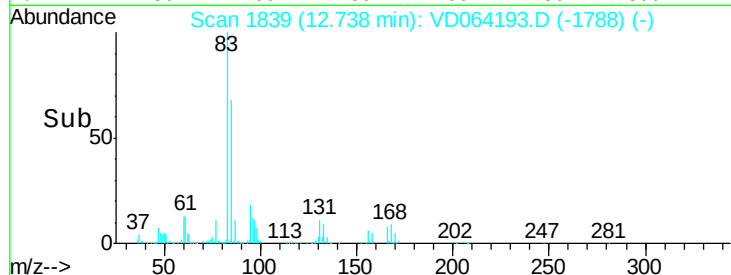
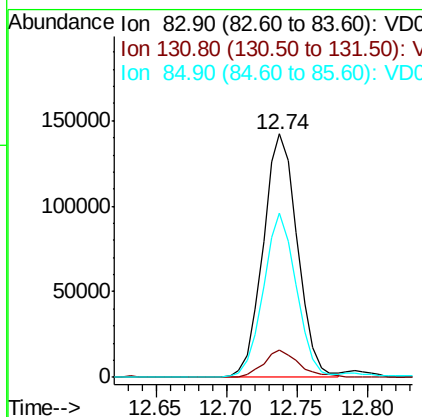
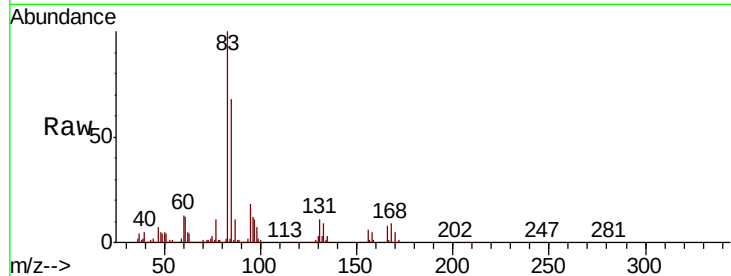
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	243038
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.9	17.7
85	65.0	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 50.365 ug/l m

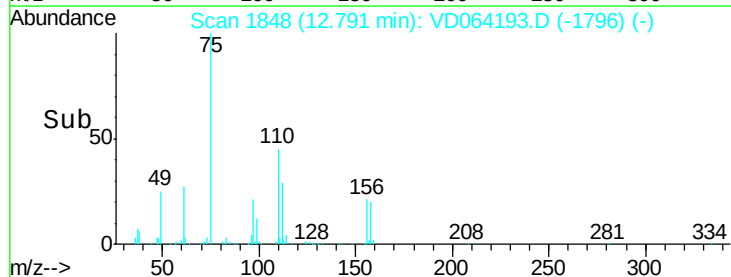
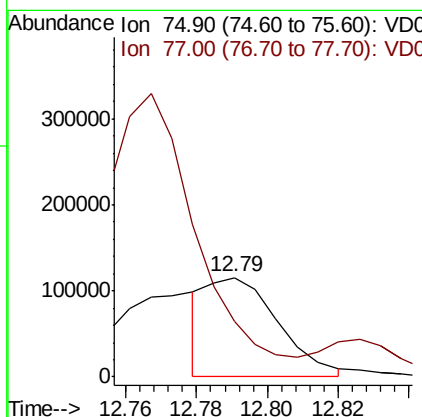
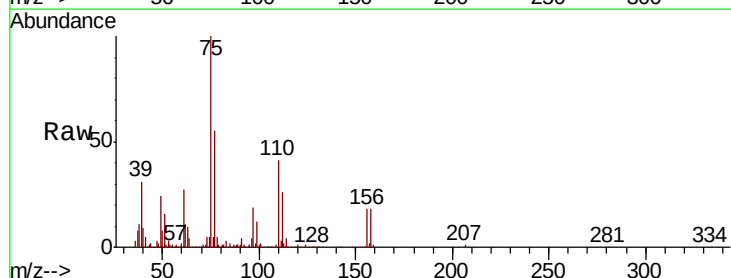
RT: 12.79 min Scan# 1848

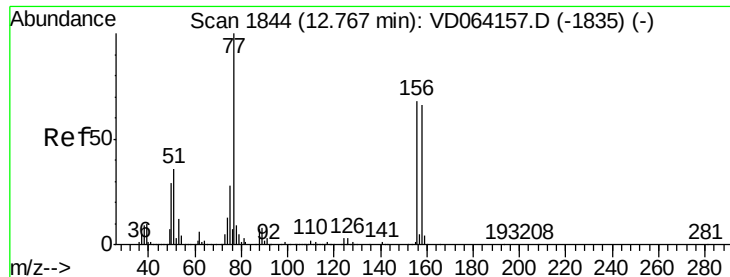
Delta R.T. 0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Tgt Ion:	75	Resp:	161126
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.693 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

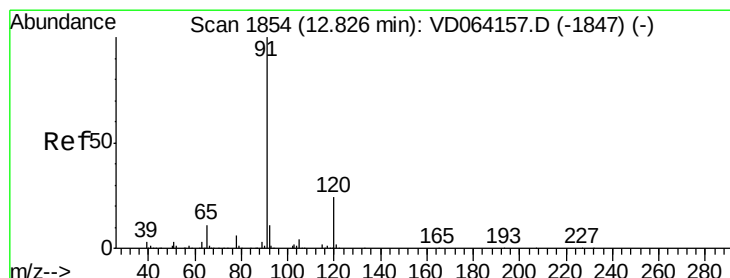
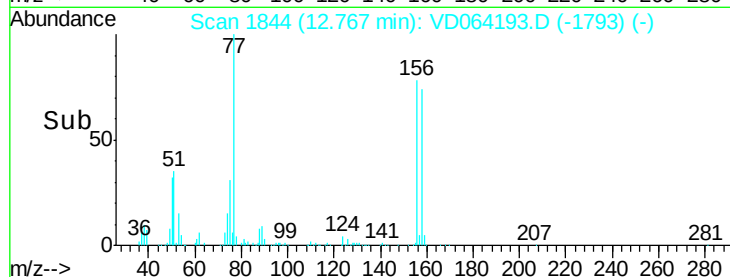
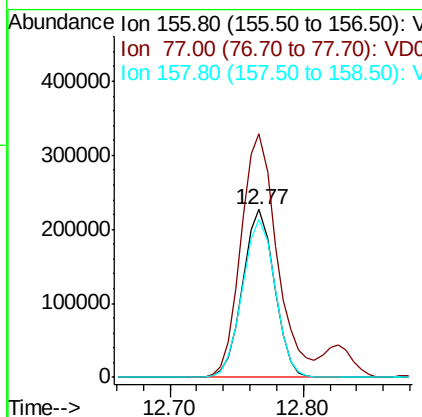
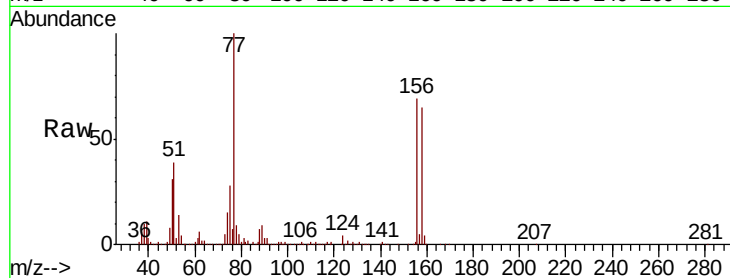
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	165.1	81.2	243.4	
158	97.3	48.4	145.2	

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#78

n-propylbenzene

Concen: 49.703 ug/l

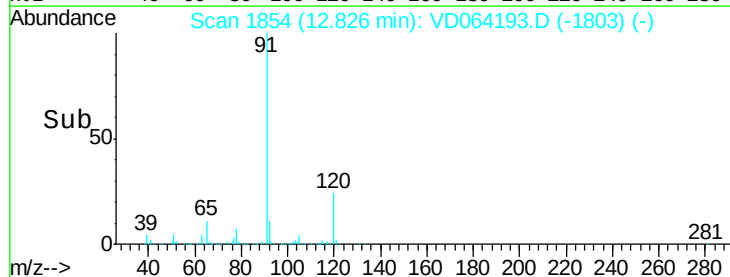
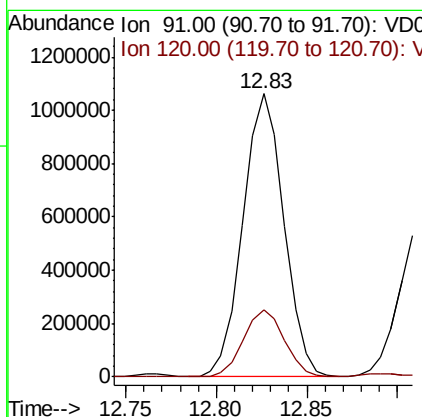
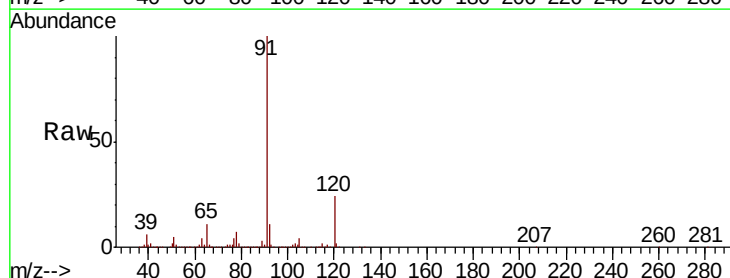
RT: 12.83 min Scan# 1854

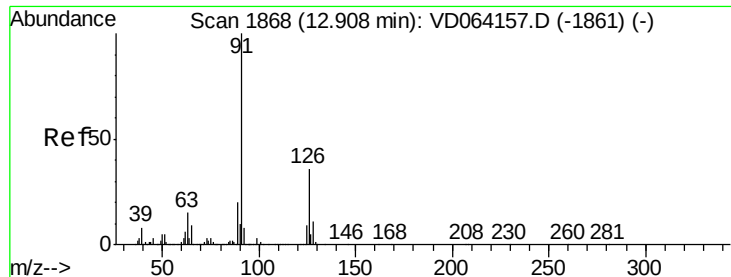
Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.9	11.8	35.4	





#79

2-Chlorotoluene

Concen: 51.368 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 965966

Ion Ratio Lower Upper

91 100

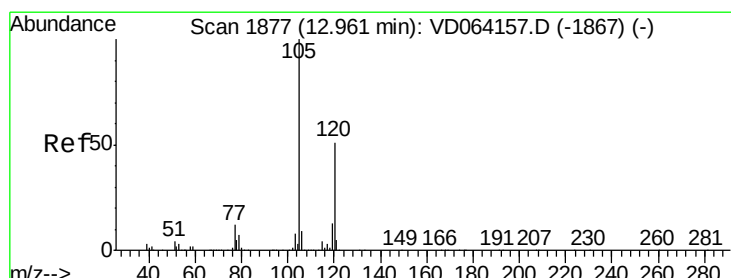
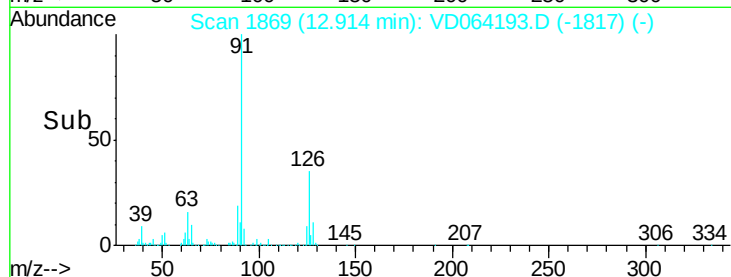
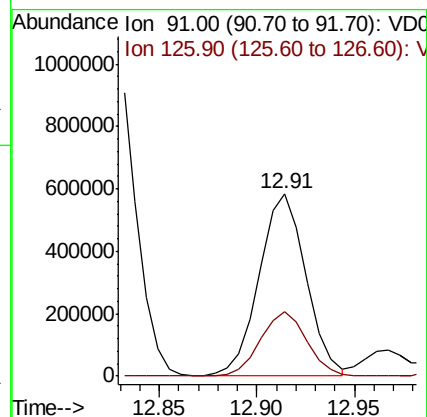
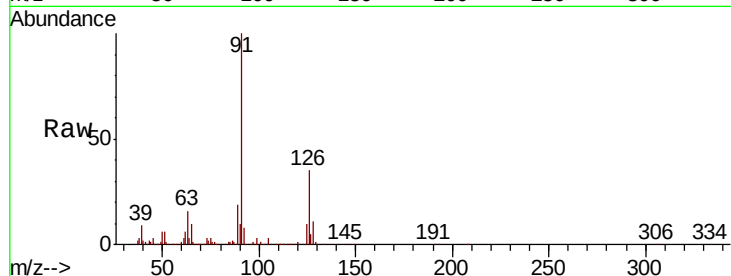
126 35.3 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 50.963 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064193.D

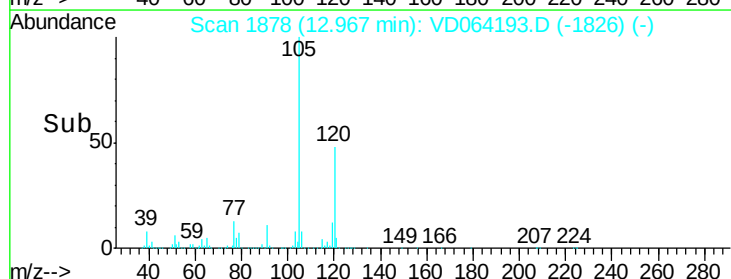
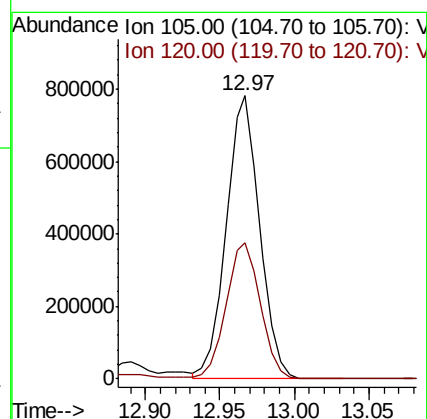
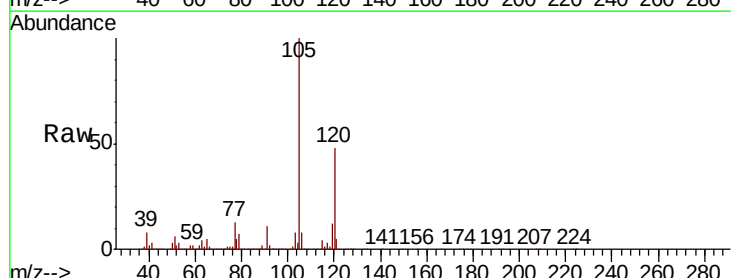
Acq: 11 Nov 2019 22:32

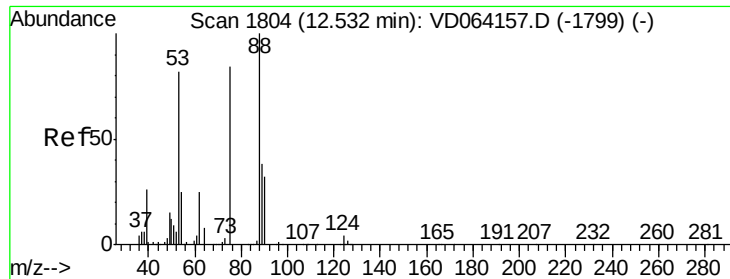
Tgt Ion: 105 Resp: 1220828

Ion Ratio Lower Upper

105 100

120 49.6 25.4 76.4





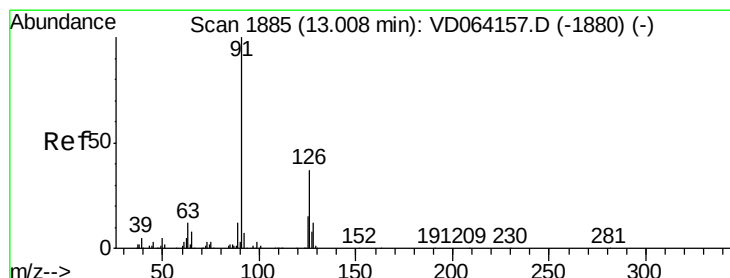
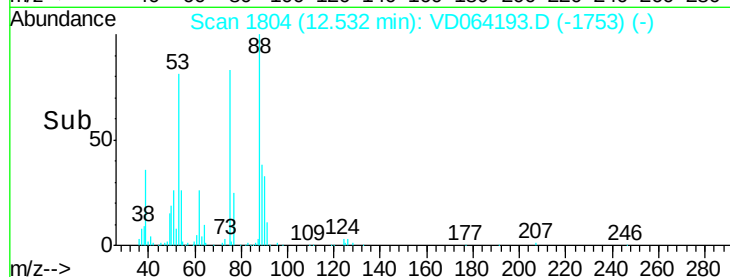
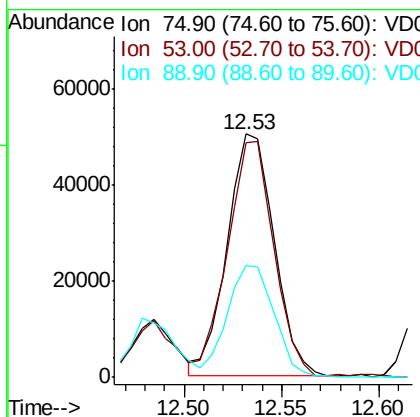
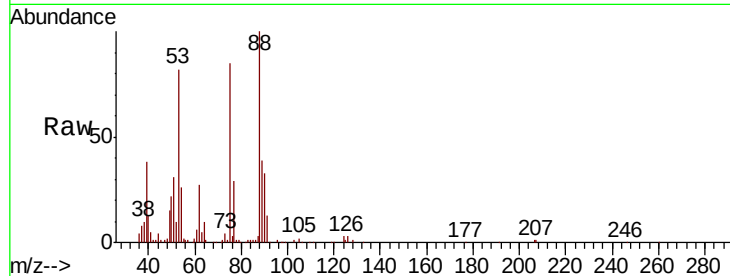
#81
trans-1,4-Dichloro-2-butene
Concen: 52.223 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.9	79.4	119.0
89	46.2	36.6	55.0

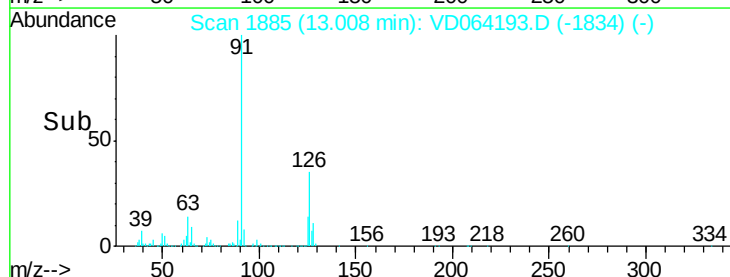
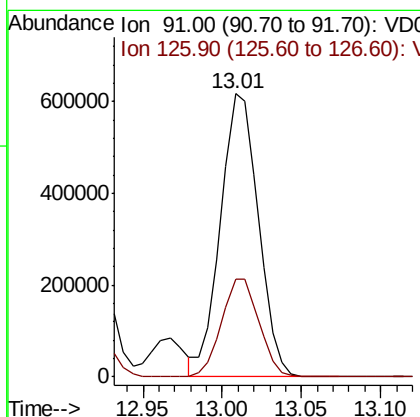
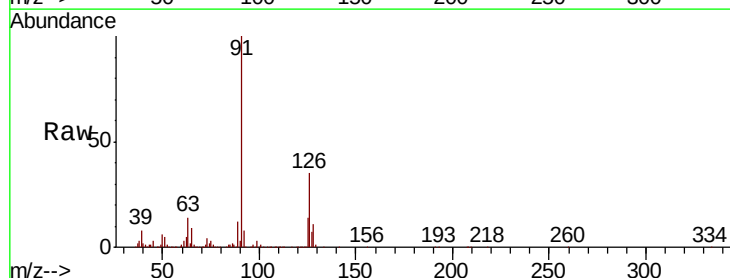
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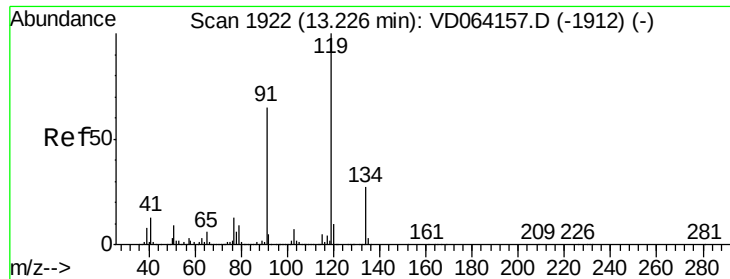
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#82
4-Chlorotoluene
Concen: 52.195 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.8	53.4





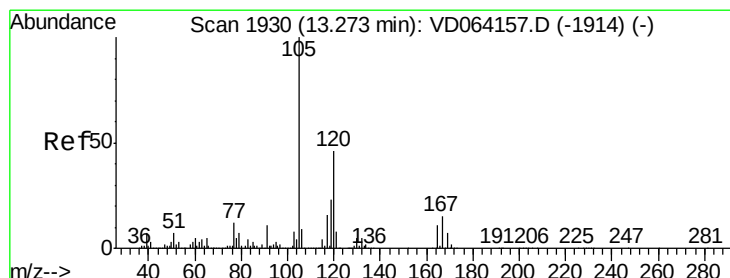
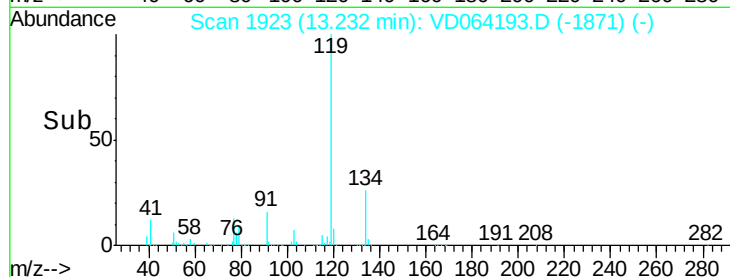
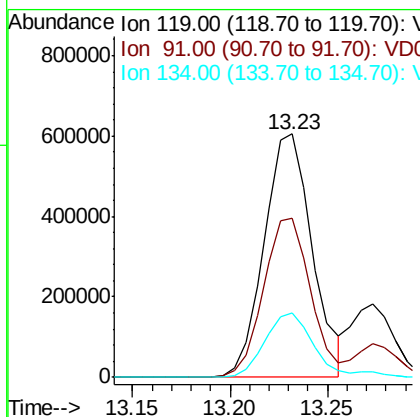
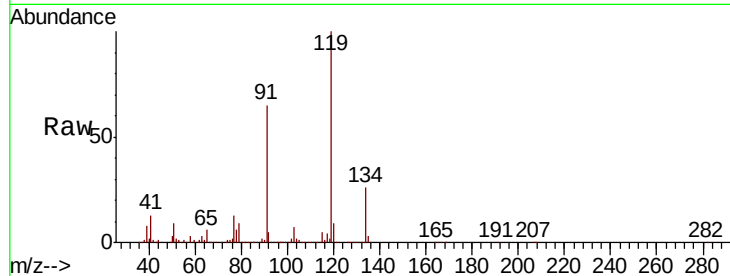
#83
 tert-Butylbenzene
 Concen: 48.999 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
119	100			
91	63.7	31.8	95.4	
134	27.6	13.7	41.0	

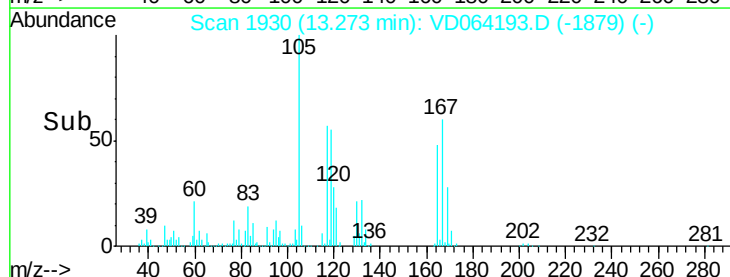
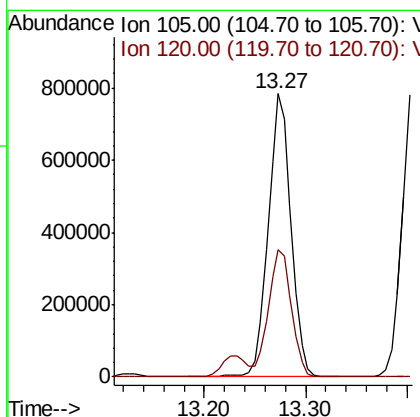
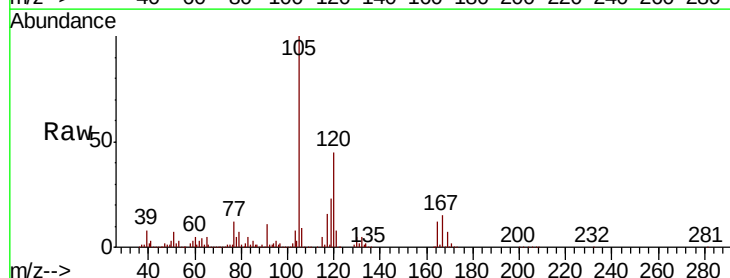
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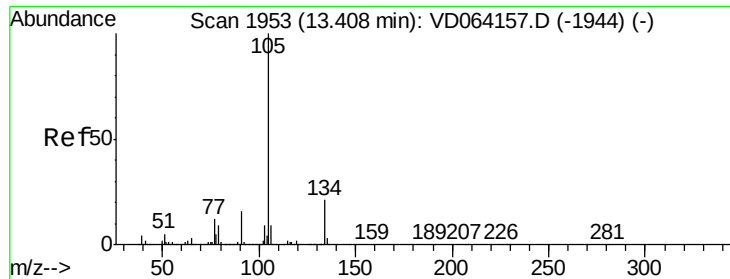
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.183 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	45.9	23.3	69.8	





#85

sec-Butylbenzene

Concen: 48.680 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1381060

Ion Ratio Lower Upper

105 100

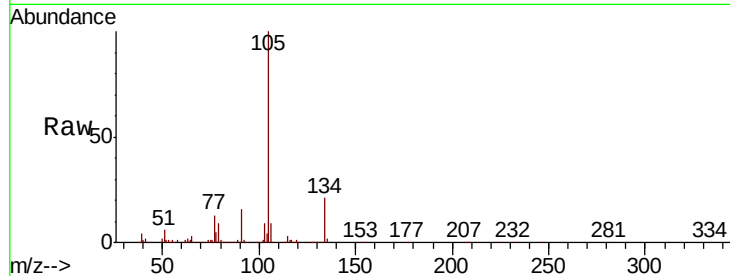
134 21.0 10.7 31.9

Manual Integrations

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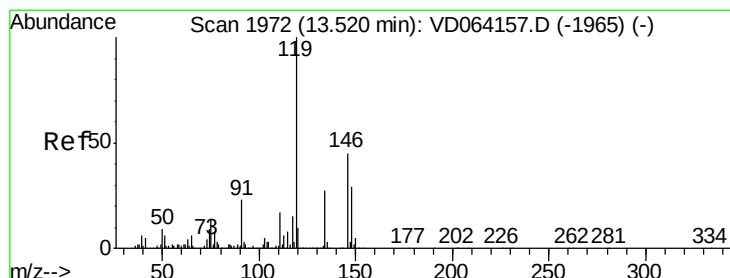
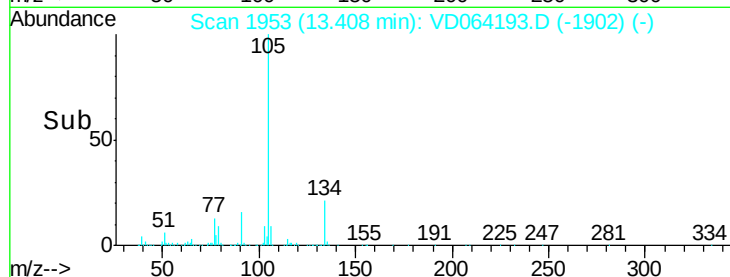
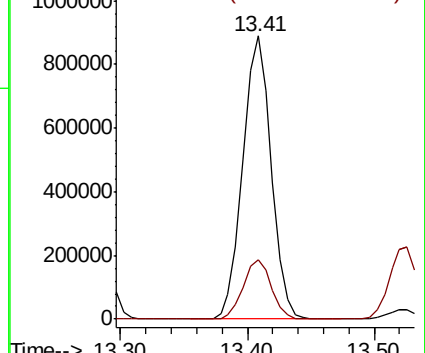
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.098 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064193.D

Acq: 11 Nov 2019 22:32

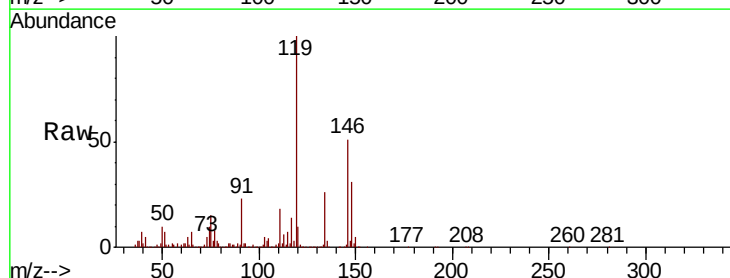
Tgt Ion:119 Resp: 1297278

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

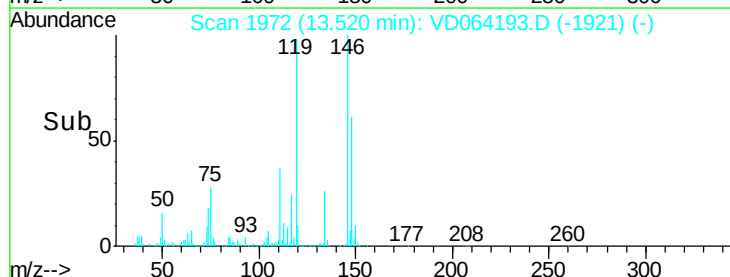
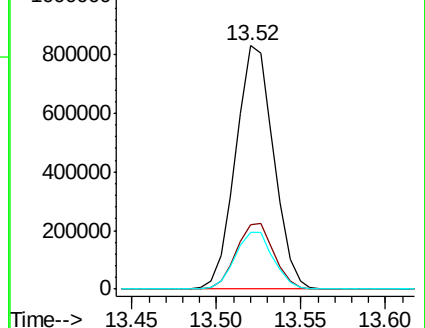
91 23.5 11.5 34.4

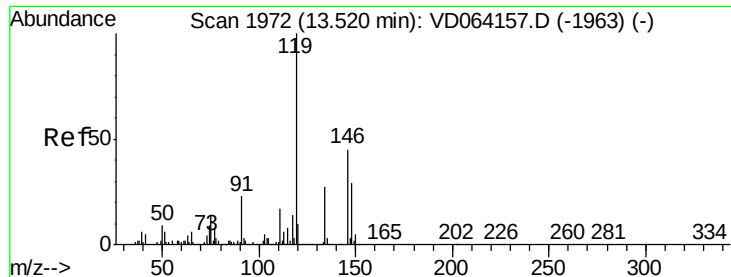


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





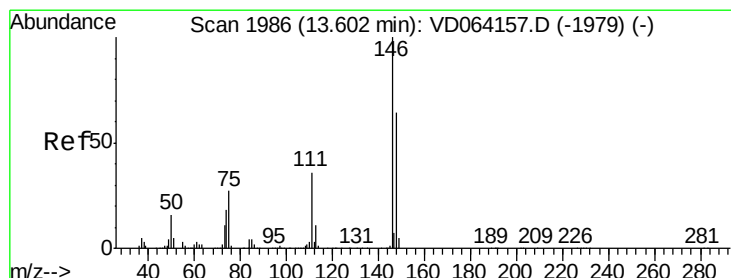
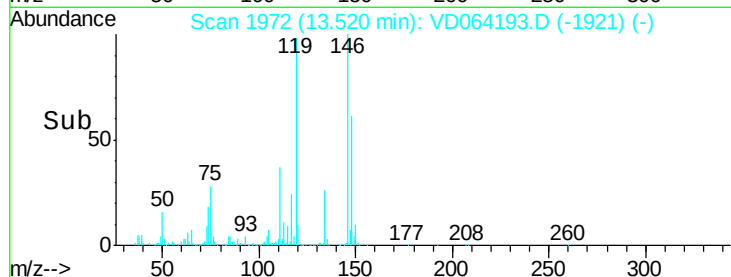
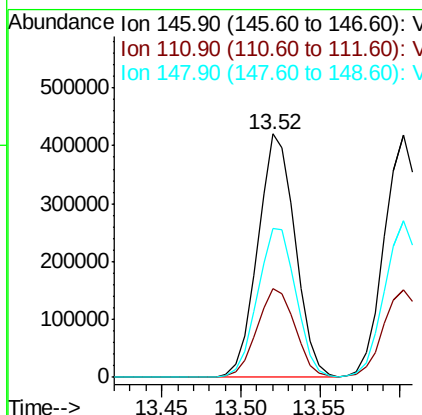
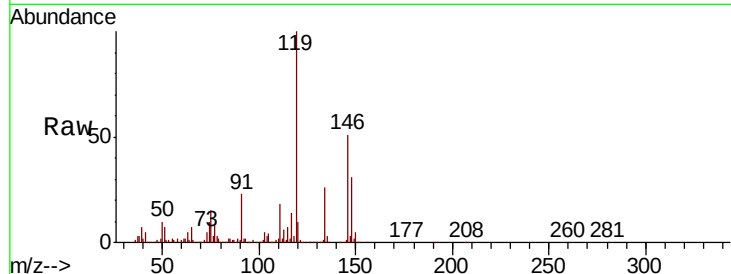
#87
 1,3-Dichlorobenzene
 Concen: 52.485 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.9
148	63.2	32.1	96.5

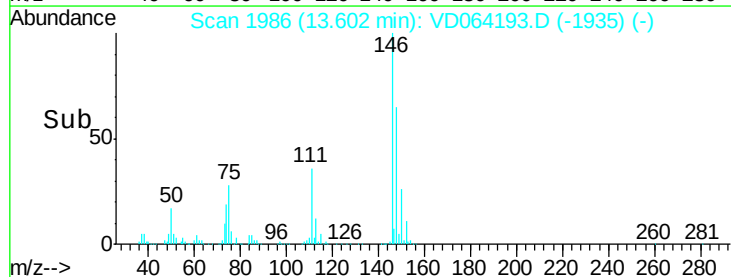
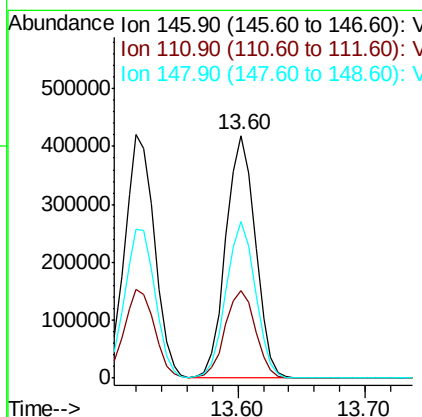
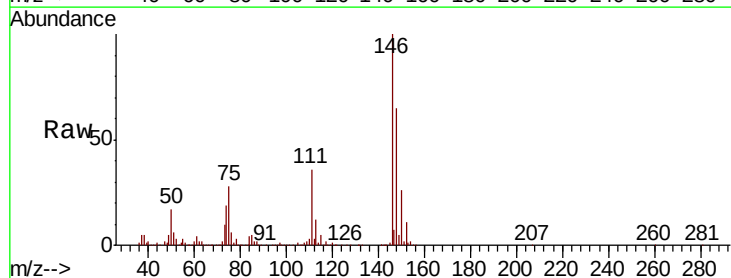
Manual Integrations
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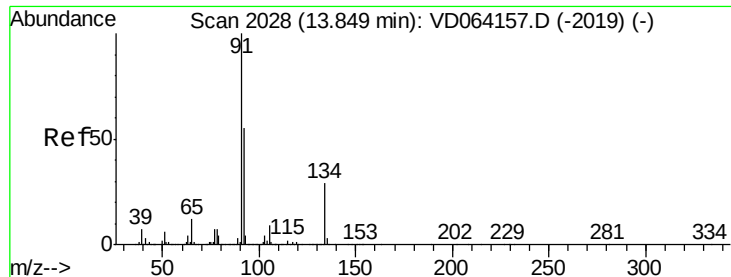
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#88
 1,4-Dichlorobenzene
 Concen: 52.793 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.4
148	64.3	31.9	95.7





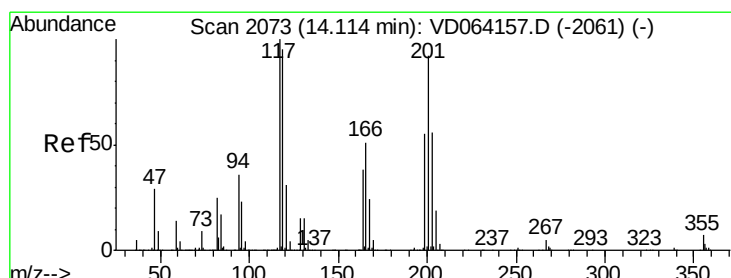
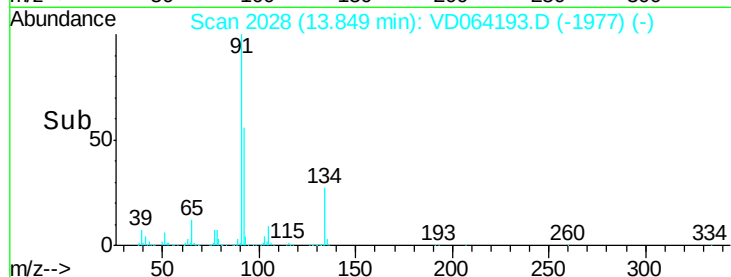
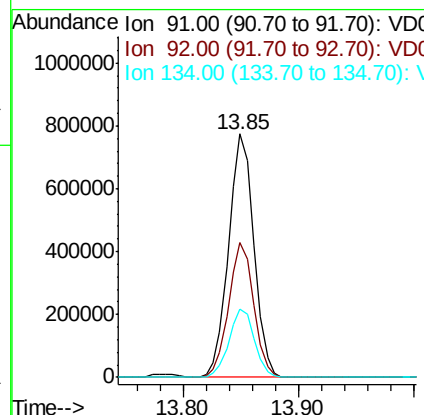
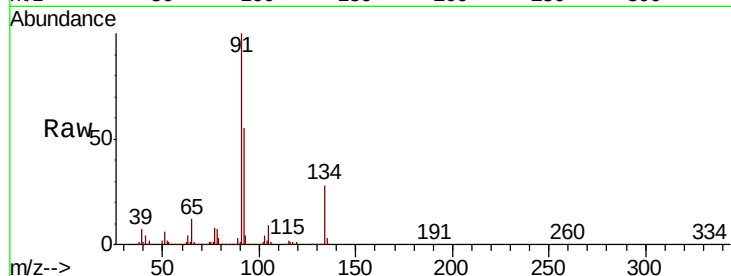
#89
n-Butylbenzene
Concen: 48.091 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.3	81.8
134	28.4	14.1	42.4

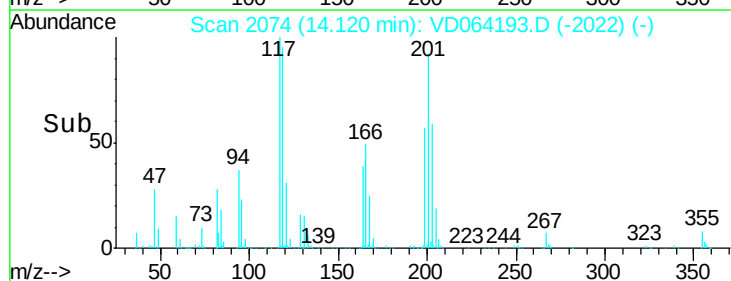
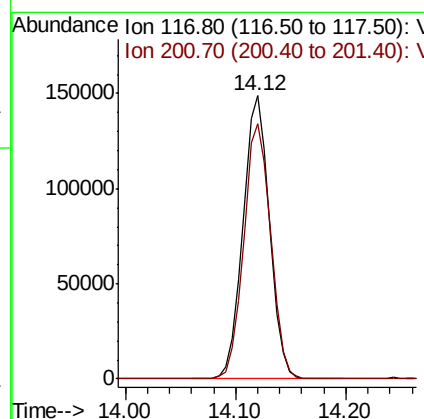
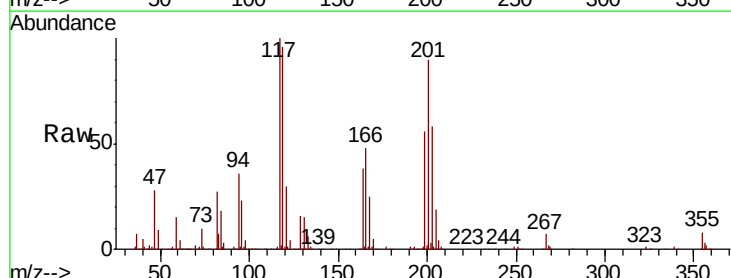
Manual Integrations
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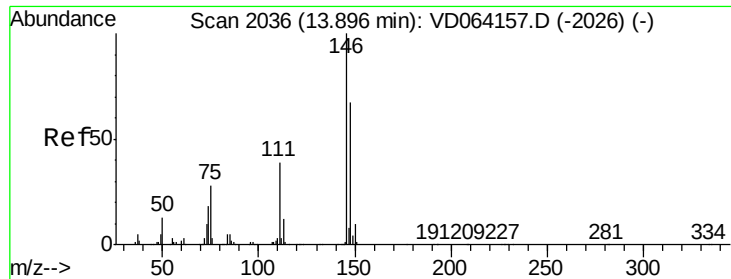
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#90
Hexachloroethane
Concen: 50.473 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	45.8	137.4





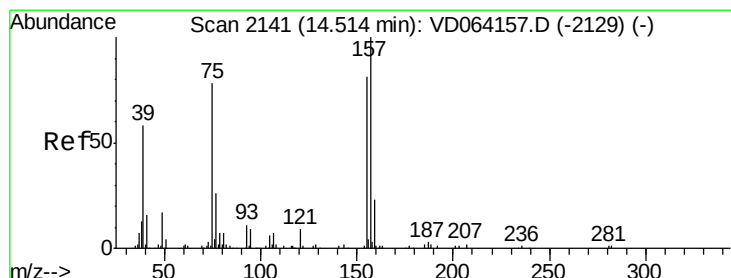
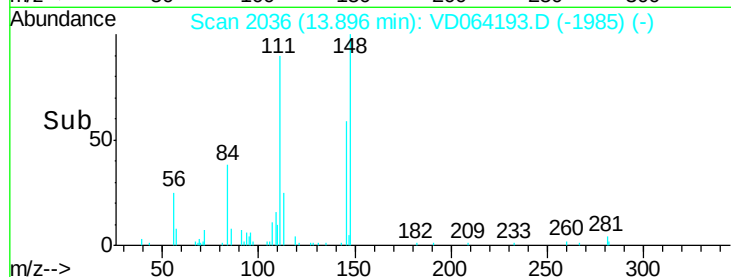
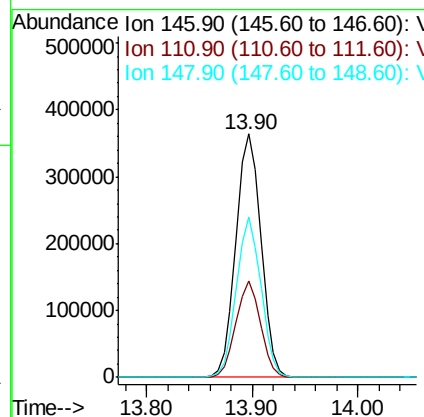
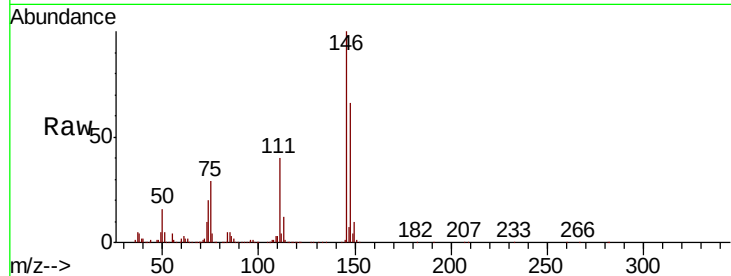
#91
 1,2-Dichlorobenzene
 Concen: 53.745 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	598065		
111	38.9	19.7	59.0	
148	64.4	32.3	96.8	

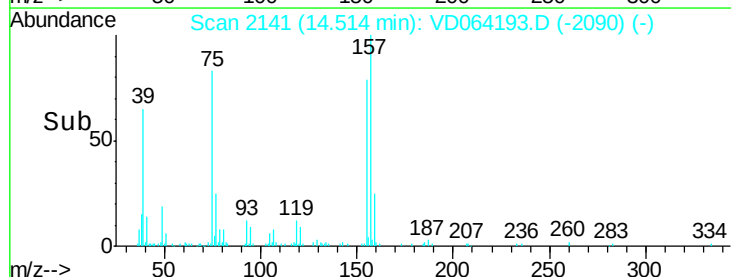
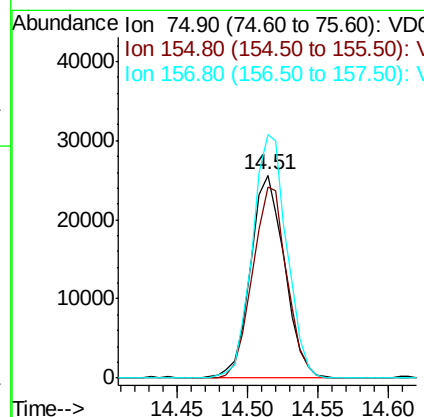
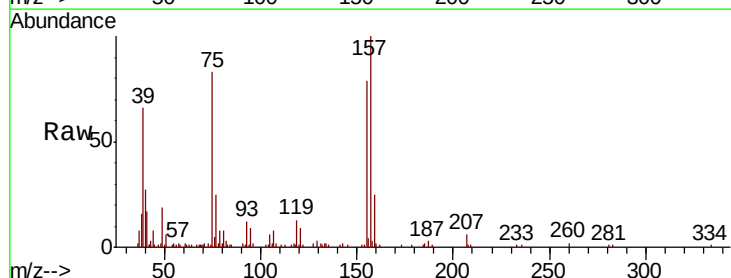
Manual Integrations
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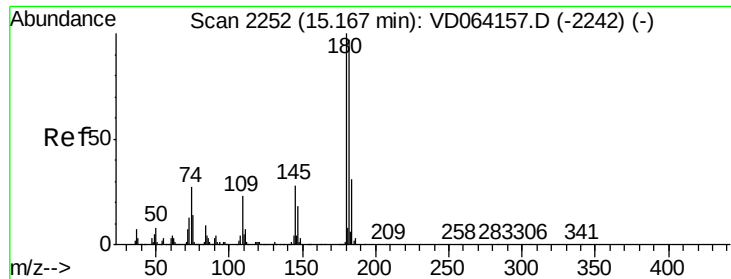
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.611 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	43678		
155	94.1	48.0	144.0	
157	120.5	61.5	184.4	





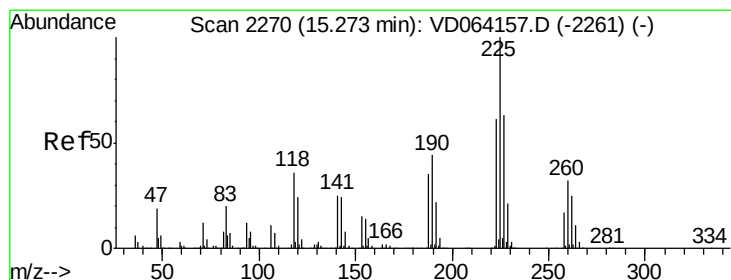
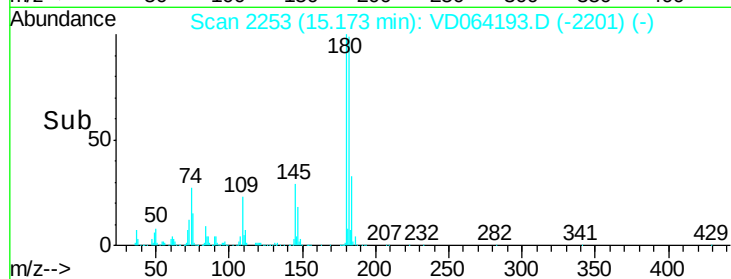
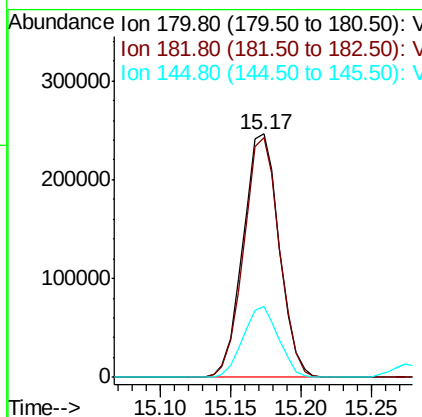
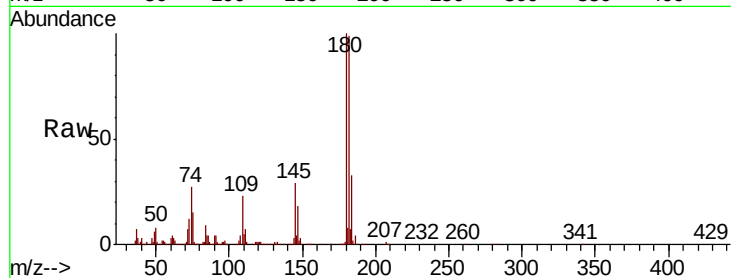
#93
 1,2,4-Trichlorobenzene
 Concen: 51.558 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.5	142.5
145	28.7	14.2	42.6

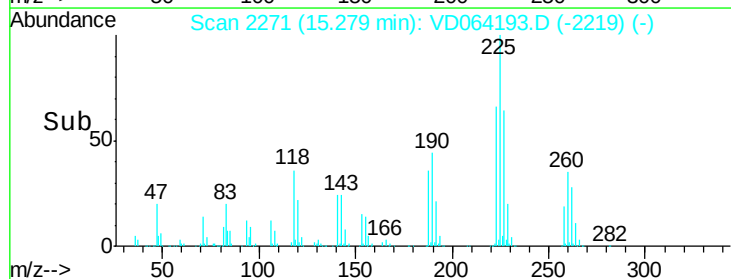
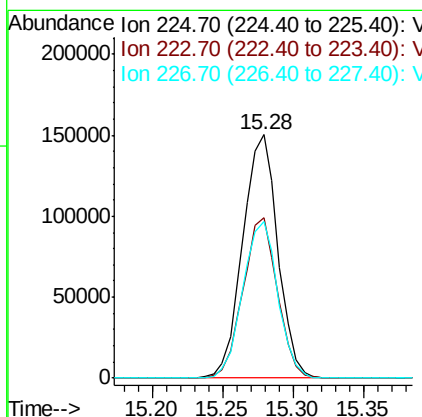
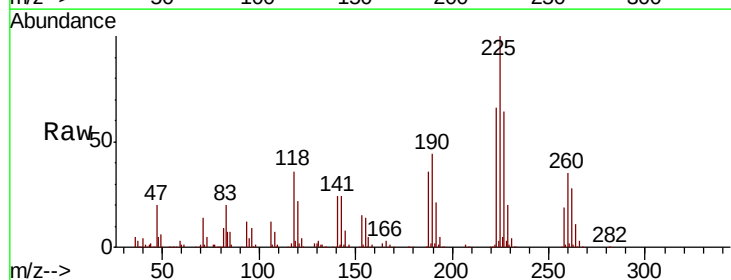
Manual Integrations
 APPROVED

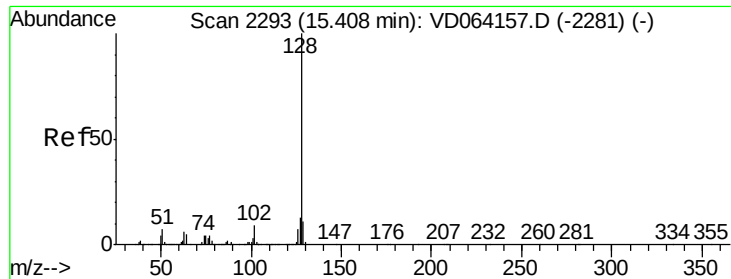
MMDadoda
 11/12/2019 10:26:06 AM



#94
 Hexachlorobutadiene
 Concen: 47.194 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064193.D
 Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.1	93.3
227	64.6	31.5	94.5





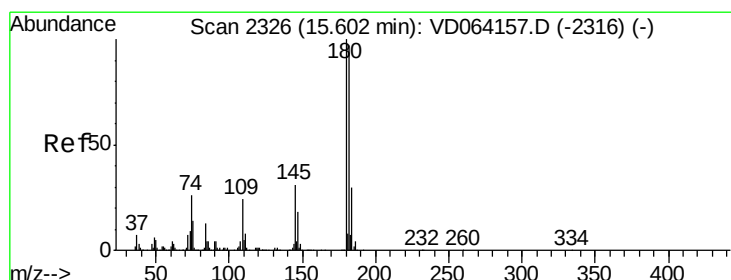
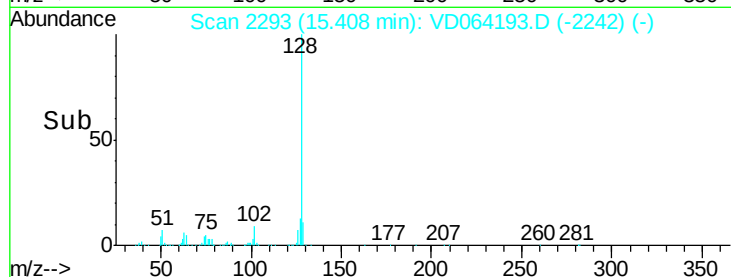
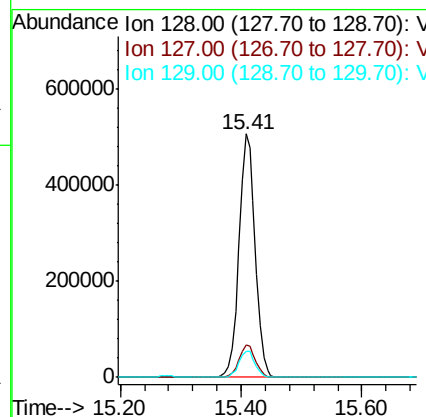
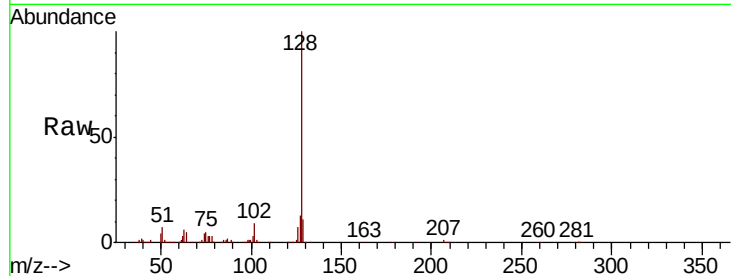
#95
Naphthalene
Concen: 66.514 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	11.1	8.6	13.0

Manual Integrations
APPROVED

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11/12/2019 10:26:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.293 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064193.D
Acq: 11 Nov 2019 22:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.3	144.9
145	30.0	15.3	45.8

