

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064086.D
 Acq On : 29 Oct 2019 13:37
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:17 AM

Quant Time: Oct 30 07:48:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 07:33:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	240378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	348088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	355583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	203882	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	98231	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
35) Dibromofluoromethane	7.92	113	112502	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
50) Toluene-d8	10.34	98	440793	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
62) 4-Bromofluorobenzene	12.64	95	148770	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.98	85	121534	49.514	ug/l	100
3) Chloromethane	2.21	50	200190	48.882	ug/l	100
4) Vinyl Chloride	2.35	62	224387	50.525	ug/l	100
5) Bromomethane	2.77	94	150307	51.932	ug/l	100
6) Chloroethane	2.92	64	138683	50.276	ug/l	100
7) Trichlorofluoromethane	3.27	101	310070	50.717	ug/l	100
8) Diethyl Ether	3.71	74	50962	47.956	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	109676	49.780	ug/l	100
10) Methyl Iodide	4.30	142	148547	54.420	ug/l	100
11) Tert butyl alcohol	5.24	59	27022	167.683	ug/l	100
12) 1,1-Dichloroethene	4.06	96	102647	49.227	ug/l	100
13) Acrolein	3.93	56	31112	255.233	ug/l	100
14) Allyl chloride	4.71	41	124754	51.117	ug/l	100
15) Acrylonitrile	5.43	53	100087	254.973	ug/l	100
16) Acetone	4.16	43	104335	286.835	ug/l	100
17) Carbon Disulfide	4.41	76	323896	50.547	ug/l	100
18) Methyl Acetate	4.73	43	47477	49.069	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	212178	50.146	ug/l	100
20) Methylene Chloride	4.97	84	117545	45.227	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	117306	50.115	ug/l	100
22) Diisopropyl ether	6.37	45	274648	50.813	ug/l	100
23) Vinyl Acetate	6.31	43	788381	260.581	ug/l	100
24) 1,1-Dichloroethane	6.26	63	184368	50.513	ug/l	100
25) 2-Butanone	7.22	43	132084	262.663	ug/l	100
26) 2,2-Dichloropropane	7.21	77	173169	49.988	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	131097	50.053	ug/l	100
28) Bromochloromethane	7.56	49	72628	54.552	ug/l	100
29) Tetrahydrofuran	7.57	42	76138	259.431	ug/l	100
30) Chloroform	7.71	83	205672	49.245	ug/l	100
31) Cyclohexane	7.98	56	167382	47.072	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	193056	49.657	ug/l	100
36) 1,1-Dichloropropene	8.11	75	162220	49.735	ug/l	100
37) Ethyl Acetate	7.30	43	52716	52.509	ug/l	100
38) Carbon Tetrachloride	8.10	117	182842	51.379	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	214086	53.469	ug/l	100
40) Benzene	8.35	78	458563	51.556	ug/l	100
41) Methacrylonitrile	7.53	41	29929	43.929	ug/l	100
42) 1,2-Dichloroethane	8.43	62	123852	52.715	ug/l	100
43) Isopropyl Acetate	8.46	43	104208	51.361	ug/l	100
44) Trichloroethene	9.11	130	140633	52.167	ug/l	100
45) 1,2-Dichloropropane	9.40	63	104201	50.551	ug/l	100
46) Dibromomethane	9.48	93	64707	52.122	ug/l	100
47) Bromodichloromethane	9.67	83	165121	52.722	ug/l	100
48) Methyl methacrylate	9.46	41	49245	52.486	ug/l	100
49) 1,4-Dioxane	9.47	88	16072	1130.992	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	294867	266.956	ug/l	100
52) Toluene	10.41	92	326085	52.314	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	158827	54.327	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	182219	52.978	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	92701	52.667	ug/l	100
56) Ethyl methacrylate	10.67	69	104754	54.810	ug/l	100
57) 1,3-Dichloropropane	10.95	76	152961	52.547	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	197493	256.112	ug/l	100
59) 2-Hexanone	10.99	43	221772	281.729	ug/l	100
60) Dibromochloromethane	11.14	129	126306	52.870	ug/l	100
61) 1,2-Dibromoethane	11.25	107	94376	53.610	ug/l	100
64) Tetrachloroethene	10.88	164	129449	50.674	ug/l	100
65) Chlorobenzene	11.67	112	375457	51.102	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	139695	50.813	ug/l	100
67) Ethyl Benzene	11.75	91	668613	51.164	ug/l	100
68) m/p-Xylenes	11.85	106	544995	103.683	ug/l	100
69) o-Xylene	12.18	106	249348	51.979	ug/l	100
70) Styrene	12.20	104	441578	53.373	ug/l	100
71) Bromoform	12.37	173	74929	51.033	ug/l #	100
73) Isopropylbenzene	12.48	105	703263	49.638	ug/l	100
74) N-amyl acetate	12.30	43	120598	51.238	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	107492	48.135	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	73889m	29.210	ug/l	
77) Bromobenzene	12.77	156	167534	48.976	ug/l	100
78) n-propylbenzene	12.83	91	827283	49.827	ug/l	100
79) 2-Chlorotoluene	12.91	91	437499	49.157	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	597541	50.394	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	34200	50.983	ug/l	100
82) 4-Chlorotoluene	13.01	91	473542	49.794	ug/l	100
83) tert-Butylbenzene	13.23	119	539707	50.677	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	600129	50.383	ug/l	100
85) sec-Butylbenzene	13.41	105	754733	51.605	ug/l	100
86) p-Isopropyltoluene	13.52	119	715840	52.093	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	344703	50.285	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	335799	49.692	ug/l	100
89) n-Butylbenzene	13.85	91	660856	52.140	ug/l	100
90) Hexachloroethane	14.11	117	127806	49.677	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	295056	50.014	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15590	47.801	ug/l	100

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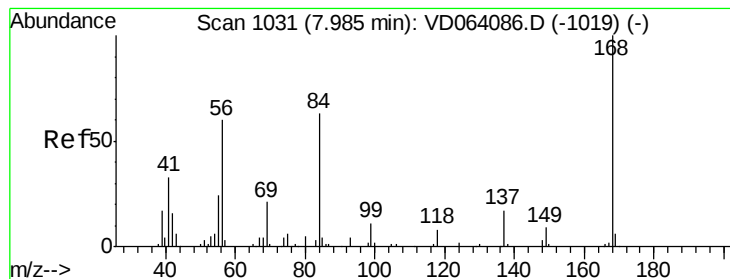
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	215681	50.860	ug/l	100
94) Hexachlorobutadiene	15.27	225	126798	51.160	ug/l	100
95) Naphthalene	15.41	128	356383	51.530	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	177953	48.446	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 168 Resp: 240378

Ion Ratio Lower Upper

168 100

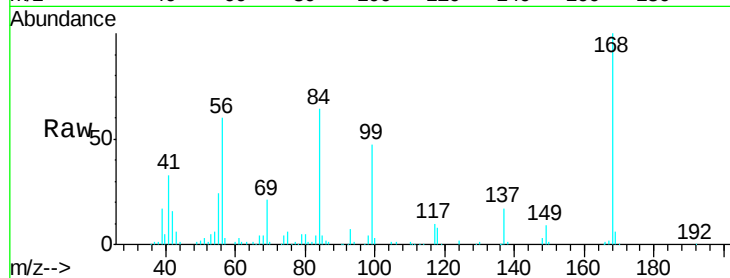
99 47.0 37.6 56.4

Manual Integrations

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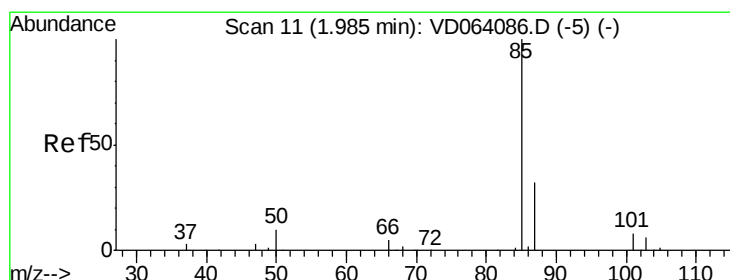
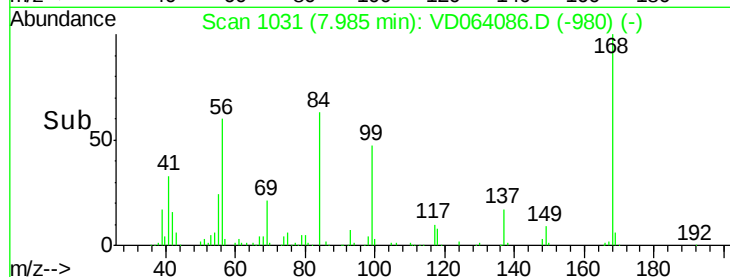
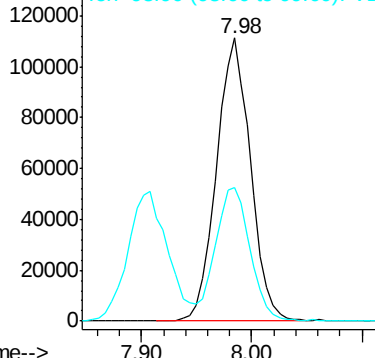
MMDadoda

10/30/2019 10:58:17 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 49.514 ug/l

RT: 1.98 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD064086.D

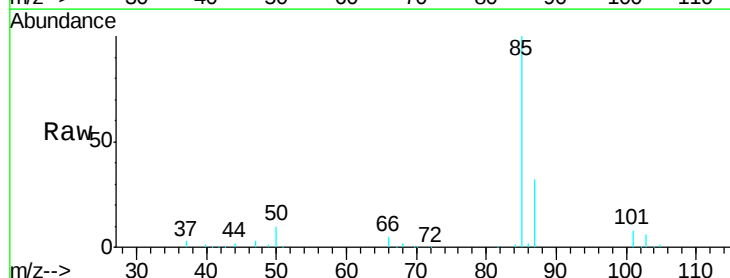
Acq: 29 Oct 2019 13:37

Tgt Ion: 85 Resp: 121534

Ion Ratio Lower Upper

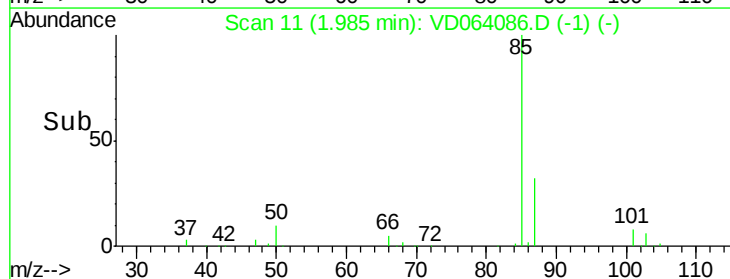
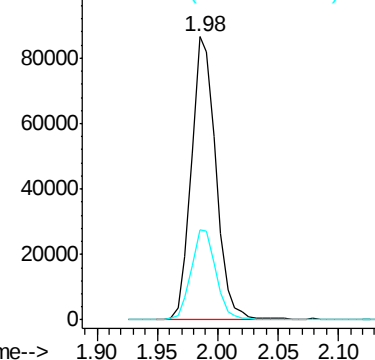
85 100

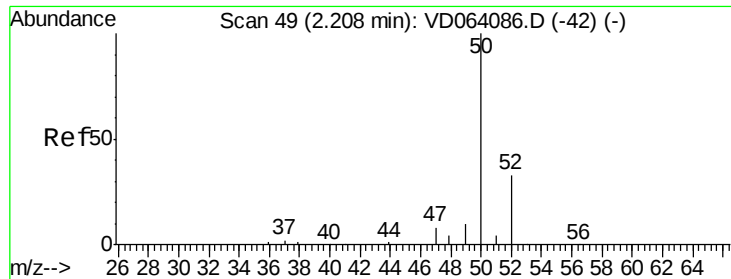
87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.882 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 200190

Ion Ratio Lower Upper

50 100

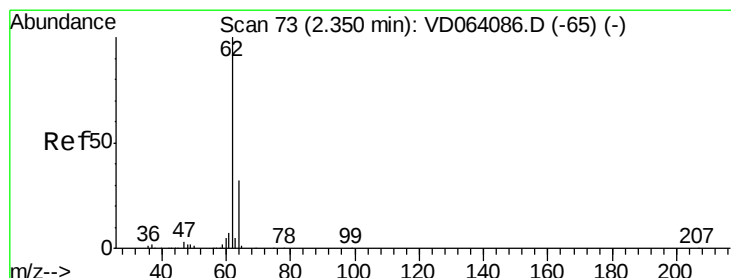
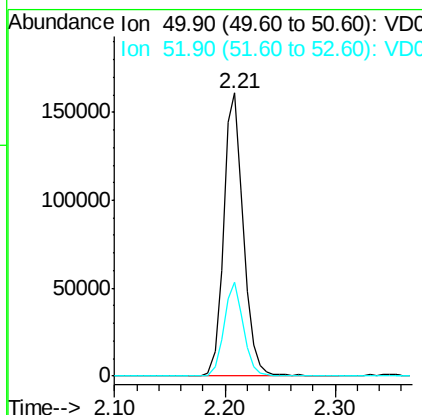
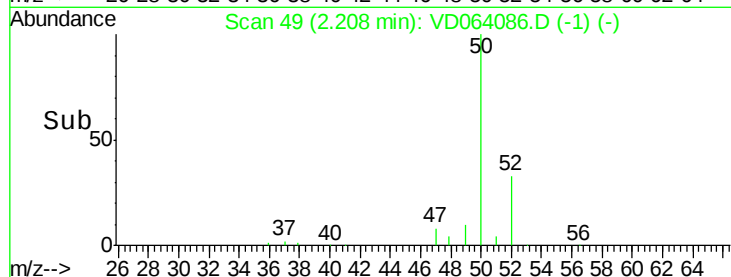
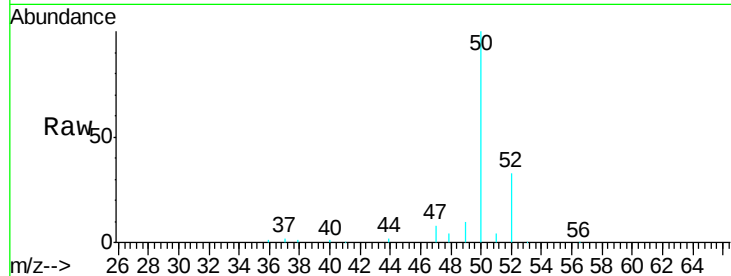
52 33.1 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.525 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064086.D

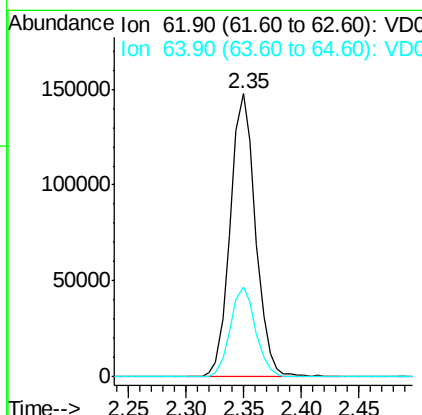
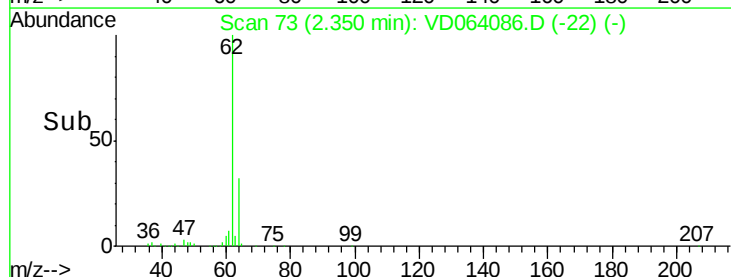
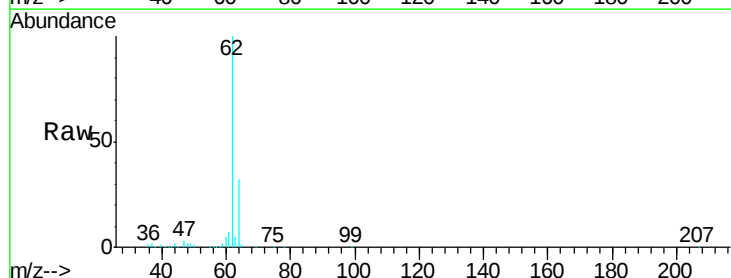
Acq: 29 Oct 2019 13:37

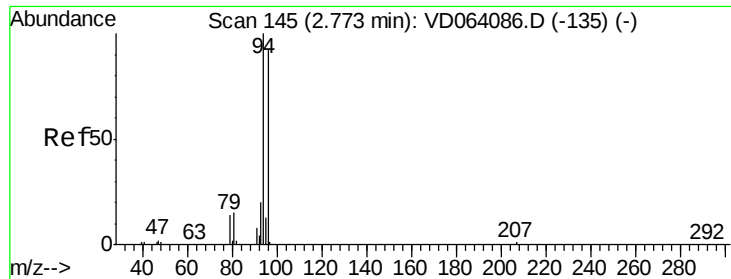
Tgt Ion: 62 Resp: 224387

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 51.932 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 150307

Ion Ratio Lower Upper

94 100

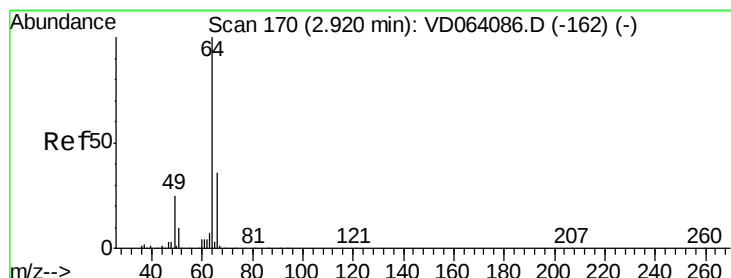
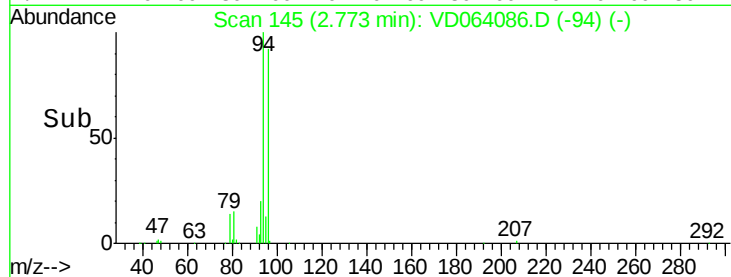
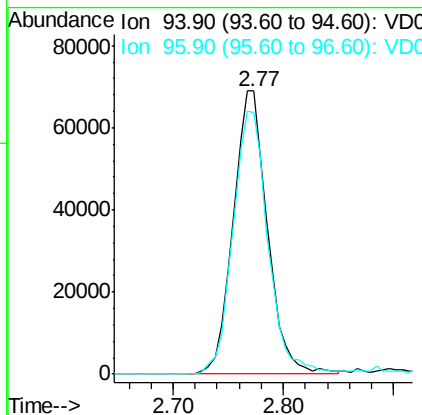
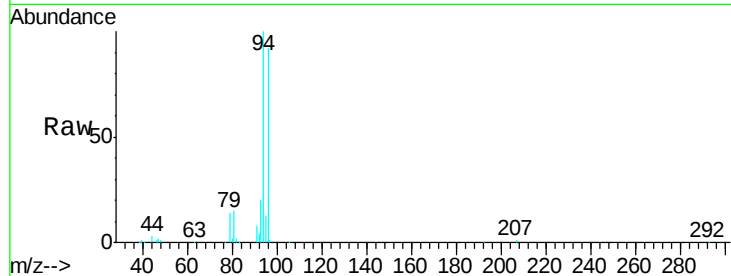
96 92.4 73.9 110.9

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 50.276 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064086.D

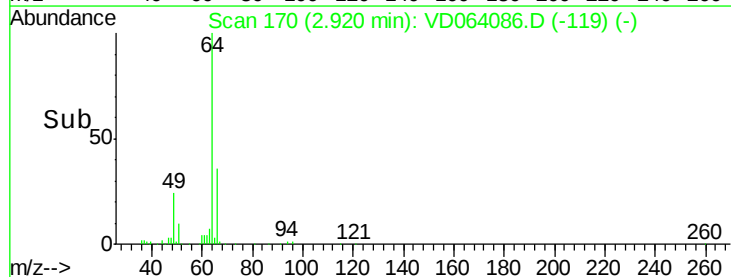
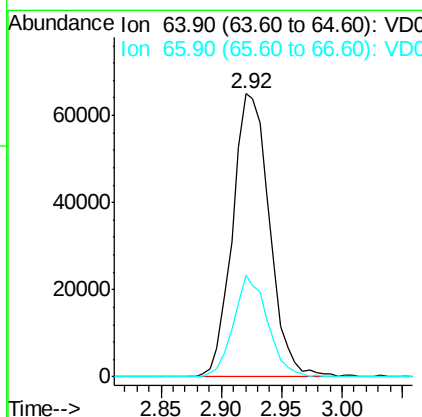
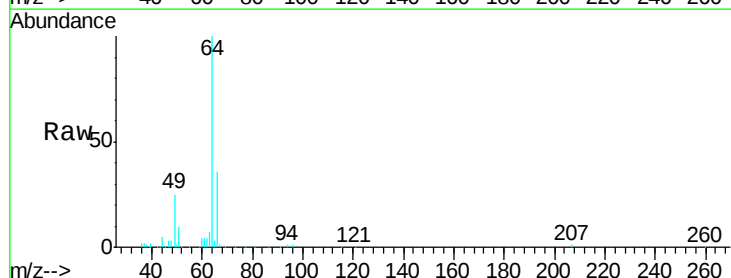
Acq: 29 Oct 2019 13:37

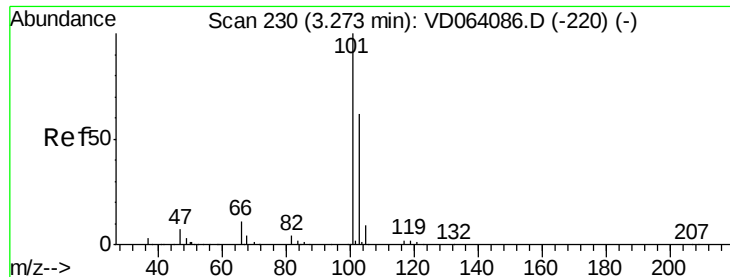
Tgt Ion: 64 Resp: 138683

Ion Ratio Lower Upper

64 100

66 35.9 28.7 43.1





#7

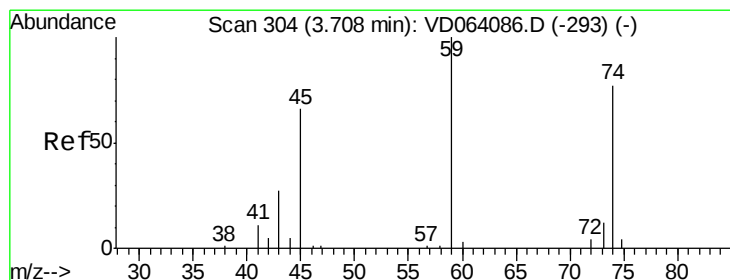
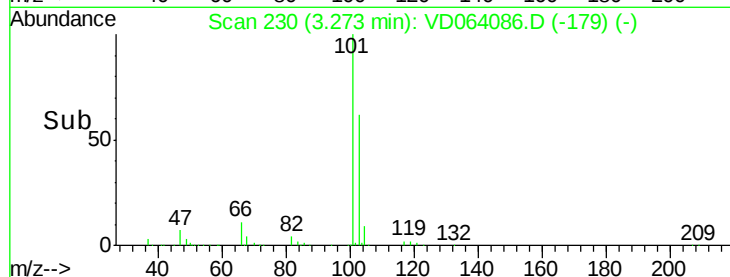
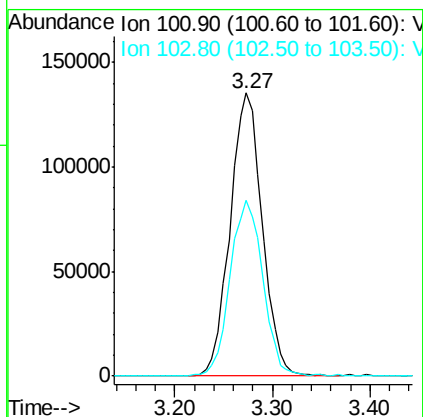
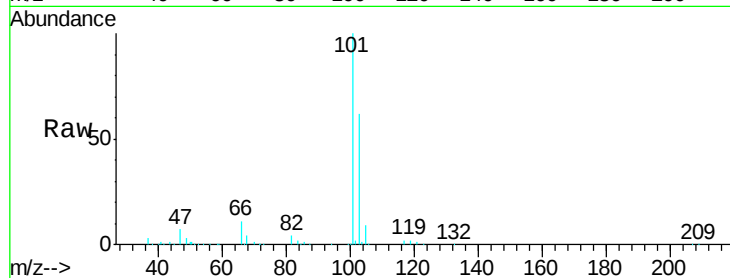
Trichlorofluoromethane
 Concen: 50.717 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.0	49.6	74.4

Manual Integrations
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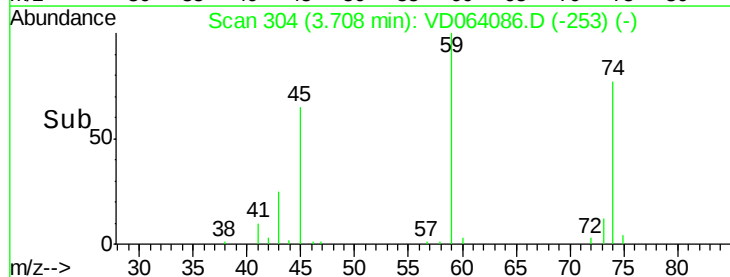
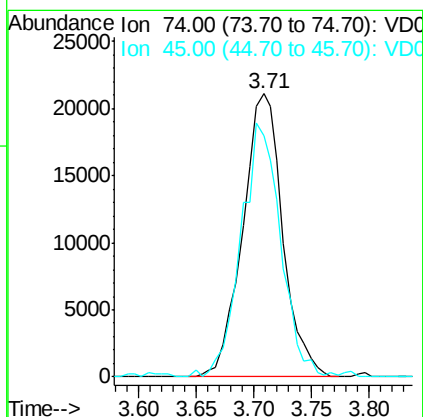
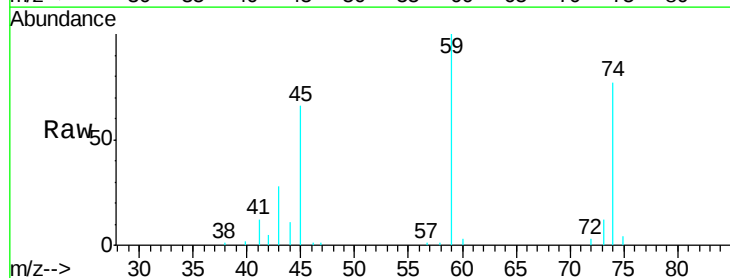
MMDadoda
 10/30/2019 10:58:17 AM

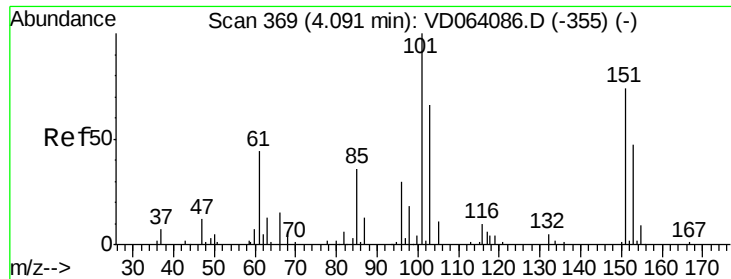


#8

Diethyl Ether
 Concen: 47.956 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.2	44.1	132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.780 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

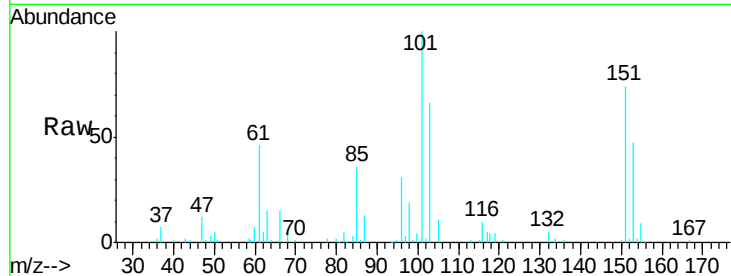
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VSTDICCC050

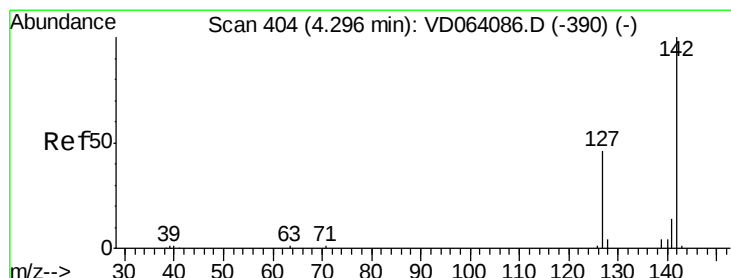
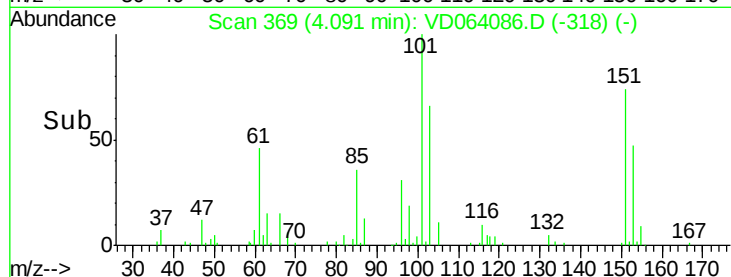
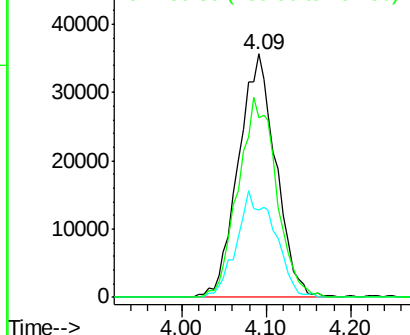
Tgt Ion:	101	Resp:	109676
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.3	52.9
151	83.8	67.0	100.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.420 ug/l

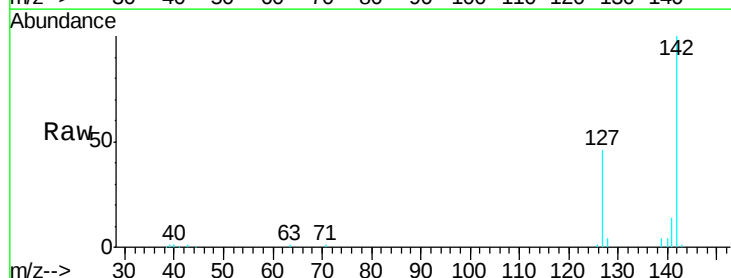
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

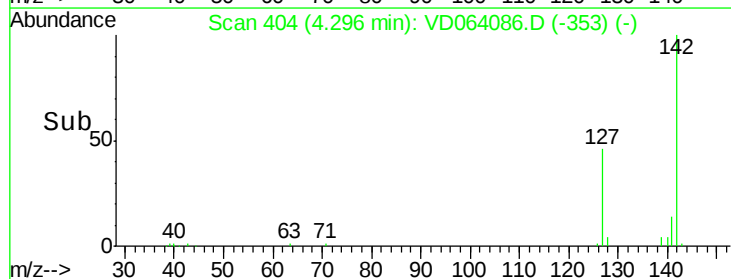
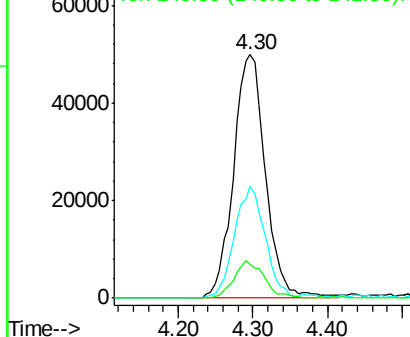
Lab File: VD064086.D

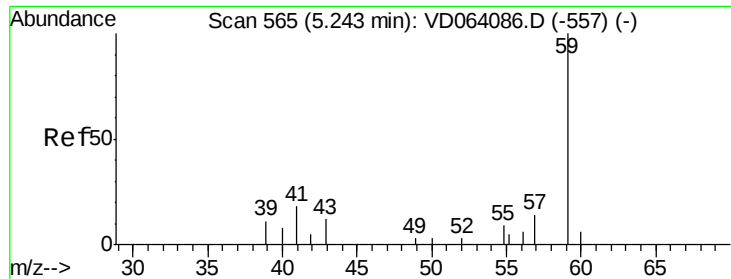
Acq: 29 Oct 2019 13:37

Tgt Ion:	142	Resp:	148547
Ion Ratio	Lower	Upper	
142	100		
127	43.9	35.1	52.7
141	14.5	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

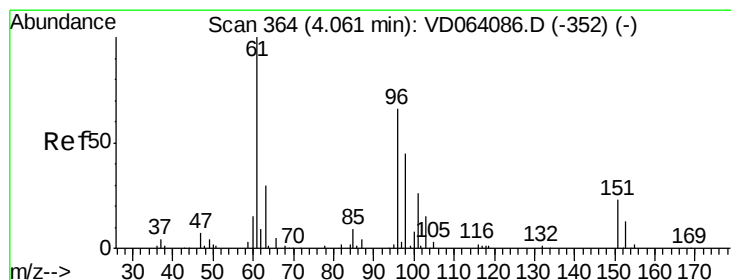
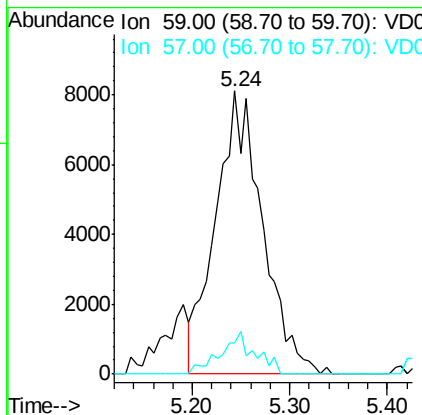
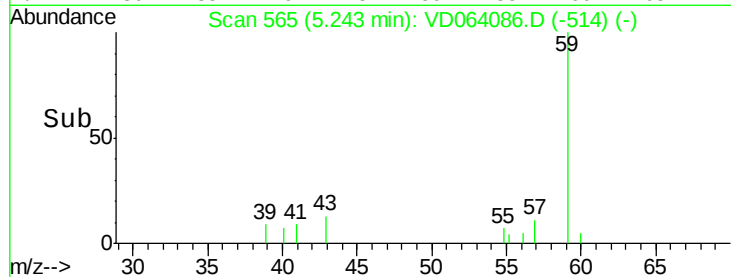
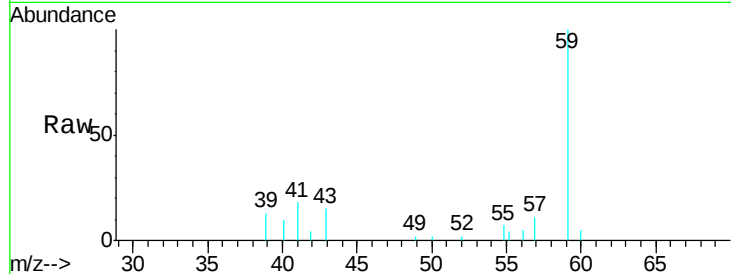
Tert butyl alcohol
 Concen: 167.683 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 59 Resp: 27022
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.7 13.1

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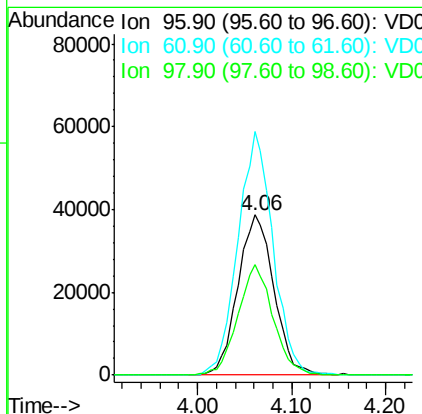
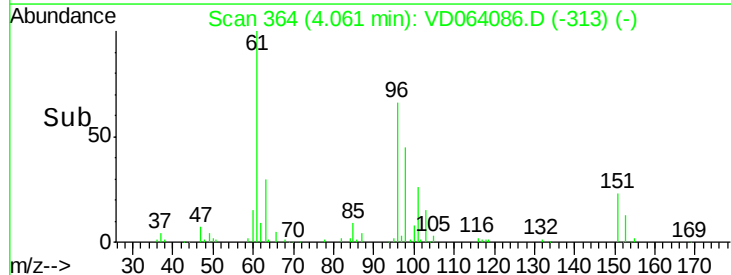
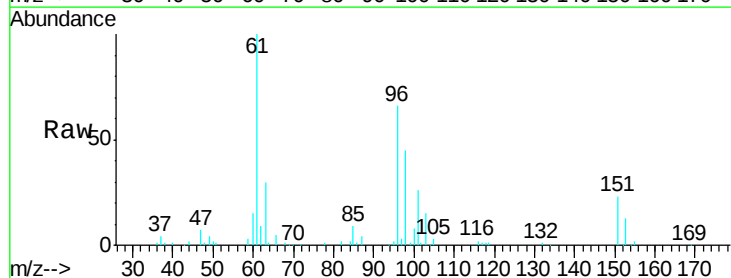
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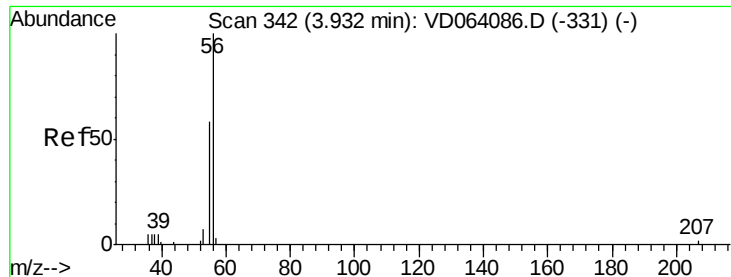


#12

1,1-Dichloroethene
 Concen: 49.227 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Tgt Ion: 96 Resp: 102647
 Ion Ratio Lower Upper
 96 100
 61 152.2 121.8 182.6
 98 69.2 55.4 83.0





#13

Acrolein

Concen: 255.233 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 31112

Ion Ratio Lower Upper

56 100

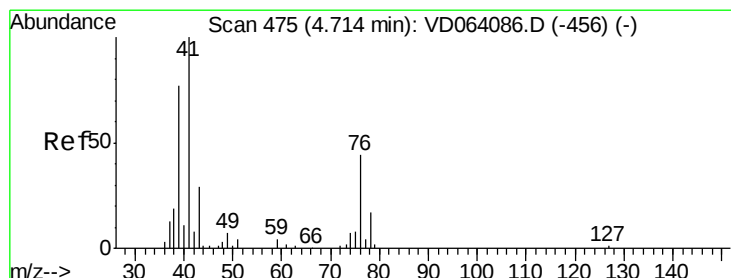
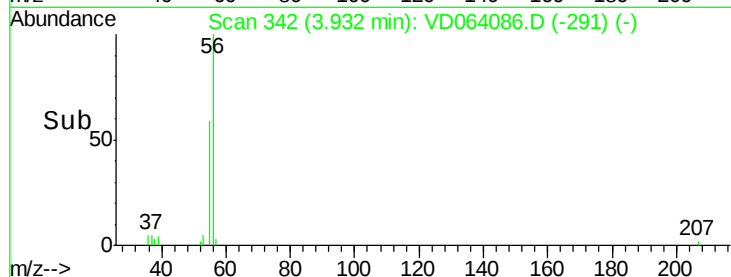
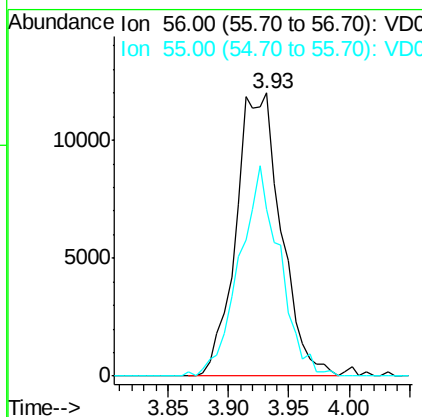
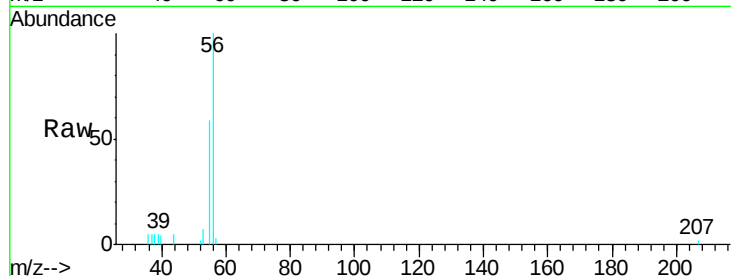
55 67.2 53.8 80.6

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#14

Allyl chloride

Concen: 51.117 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

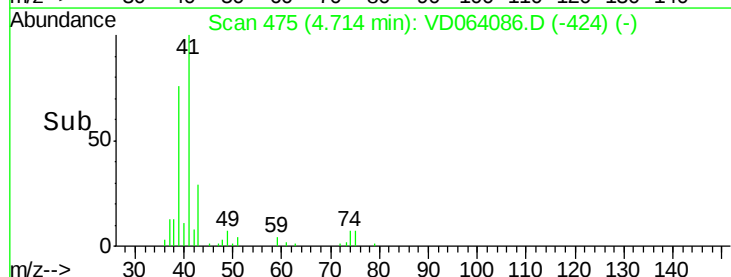
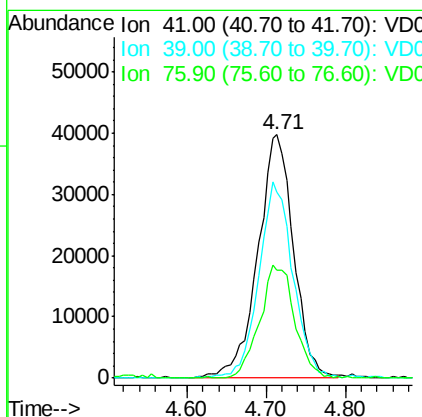
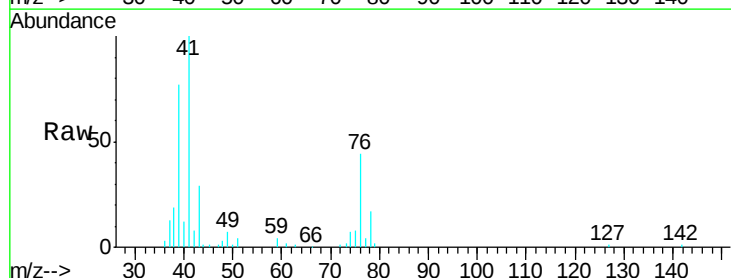
Tgt Ion: 41 Resp: 124754

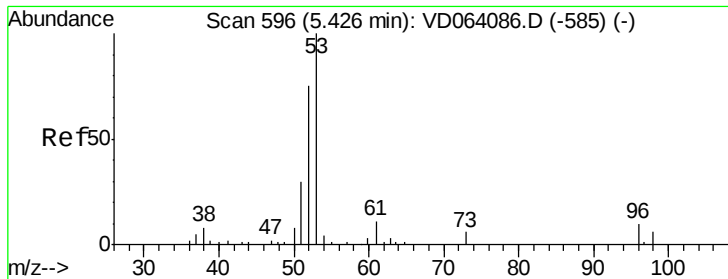
Ion Ratio Lower Upper

41 100

39 76.9 61.5 92.3

76 45.3 36.2 54.4





#15

Acrylonitrile

Concen: 254.973 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

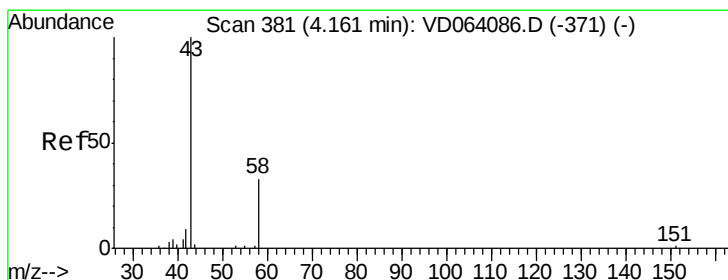
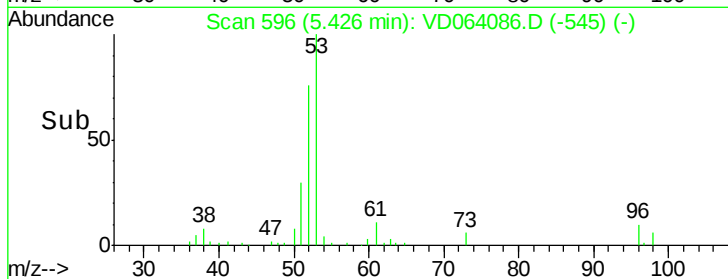
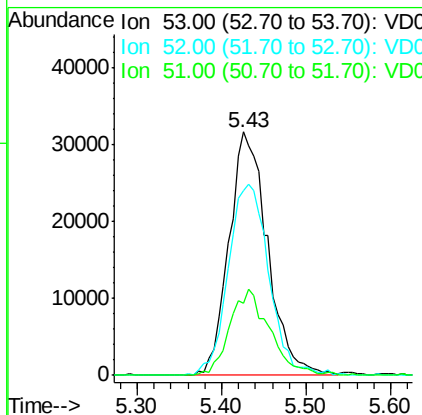
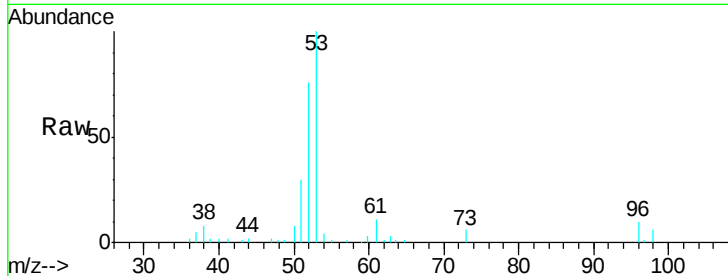
ClientSampleId :

VSTDICCC050

Tgt Ion:	53	Resp:	100087
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.4
51	36.3	29.0	43.6

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#16

Acetone

Concen: 286.835 ug/l

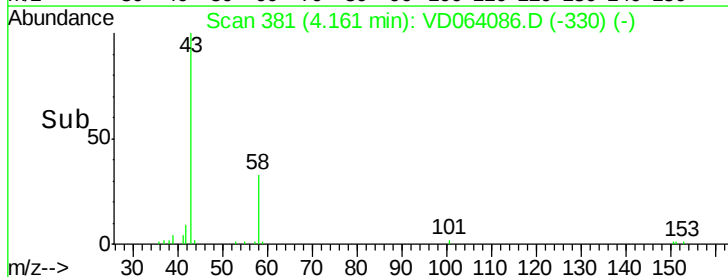
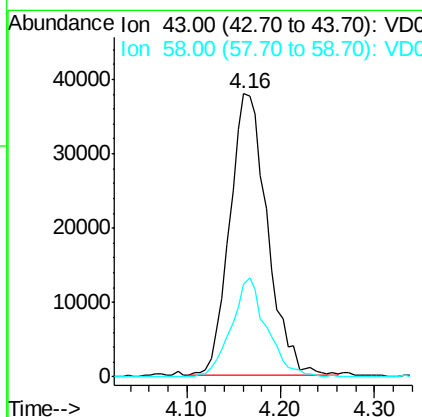
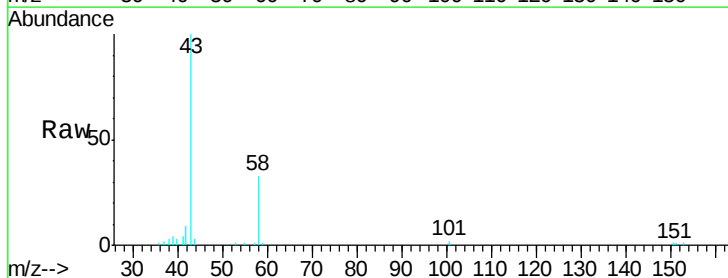
RT: 4.16 min Scan# 381

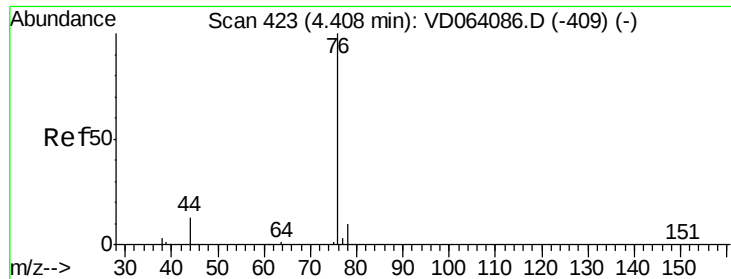
Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Tgt Ion:	43	Resp:	104335
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.3	39.5





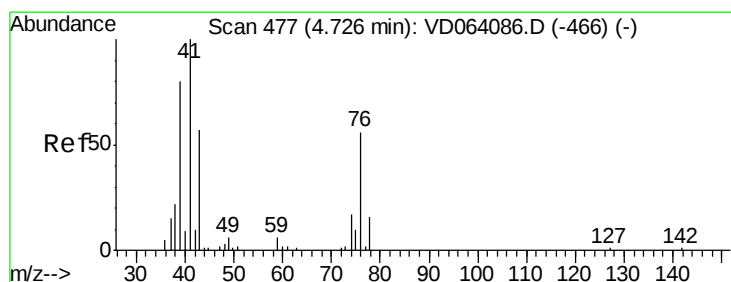
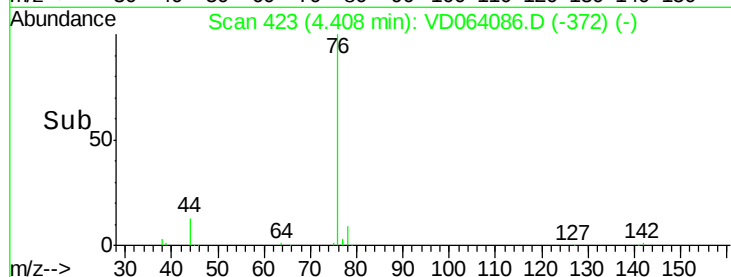
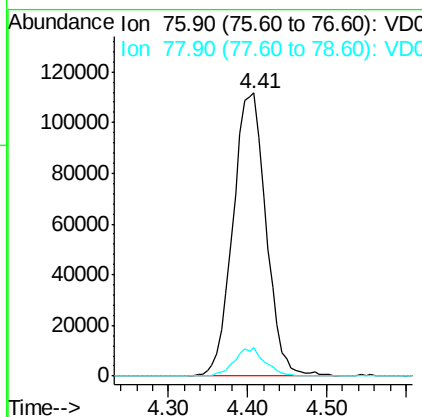
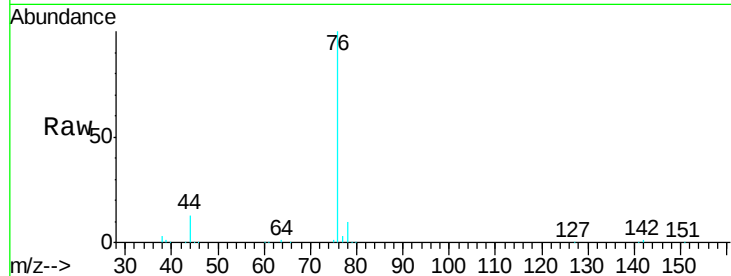
#17
Carbon Disulfide
Concen: 50.547 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 323896
Ion Ratio Lower Upper
76 100
78 10.1 8.1 12.1

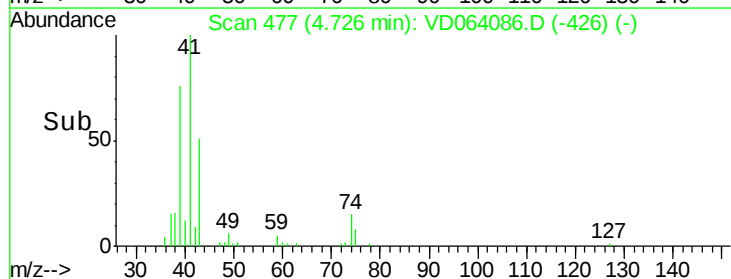
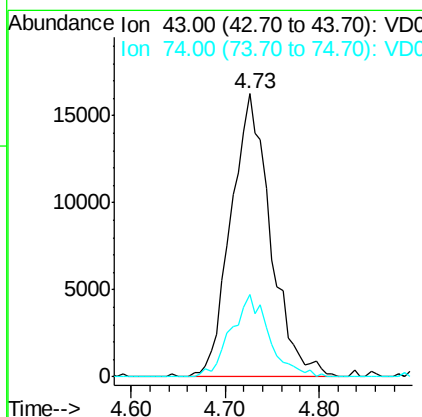
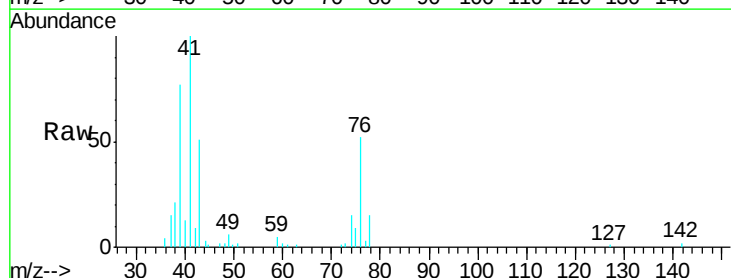
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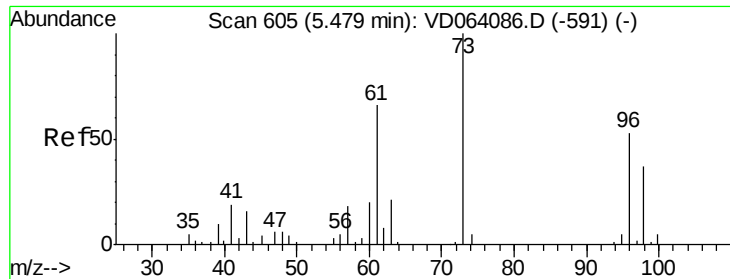
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#18
Methyl Acetate
Concen: 49.069 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion: 43 Resp: 47477
Ion Ratio Lower Upper
43 100
74 27.8 22.2 33.4





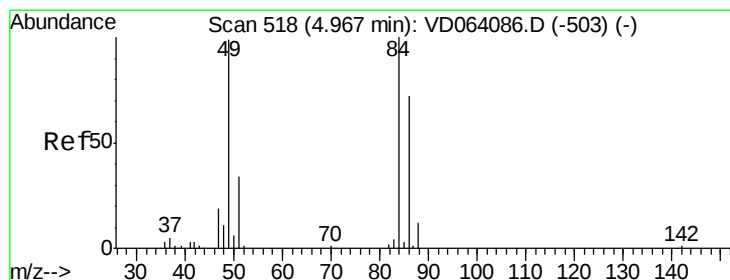
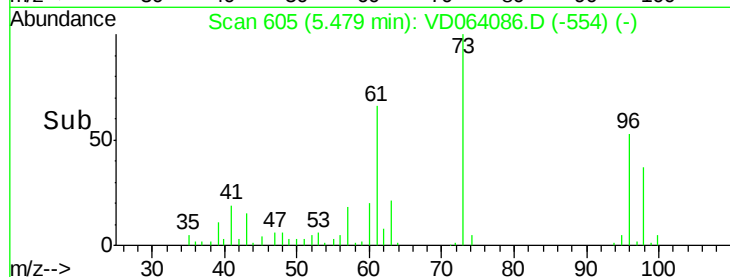
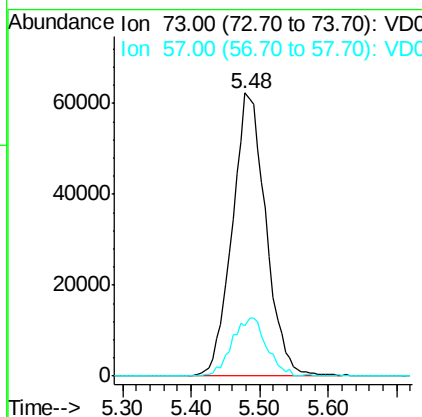
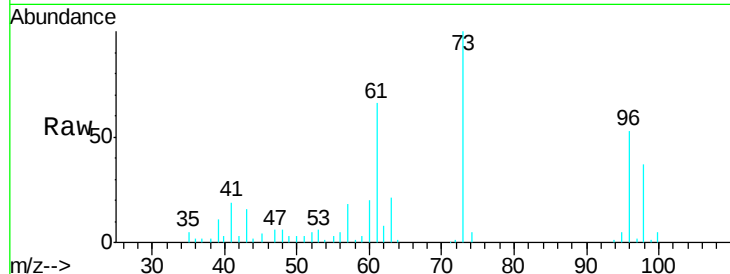
#19
Methyl tert-butyl Ether
Concen: 50.146 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 212178
Ion Ratio Lower Upper
73 100
57 17.9 14.3 21.5

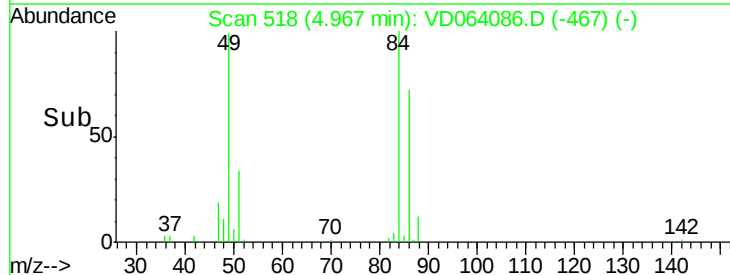
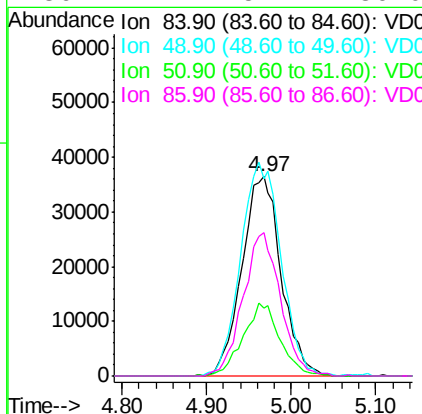
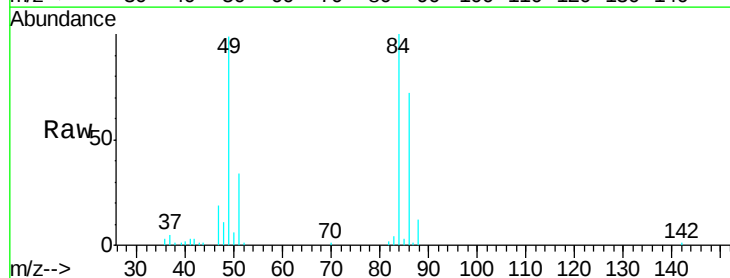
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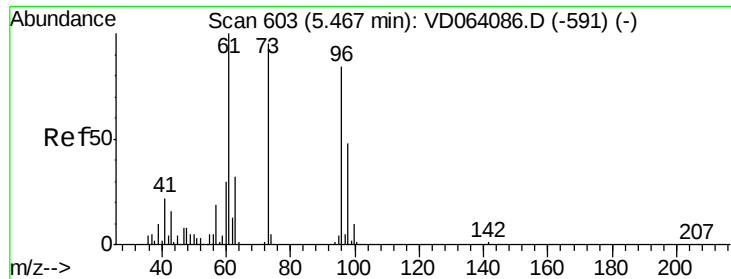
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#20
Methylene Chloride
Concen: 45.227 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion: 84 Resp: 117545
Ion Ratio Lower Upper
84 100
49 99.2 79.4 119.0
51 34.3 27.4 41.2
86 71.7 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 50.115 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

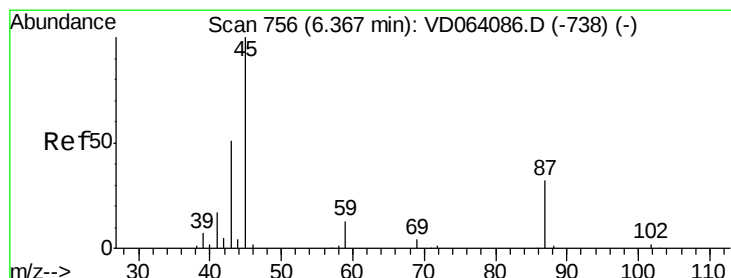
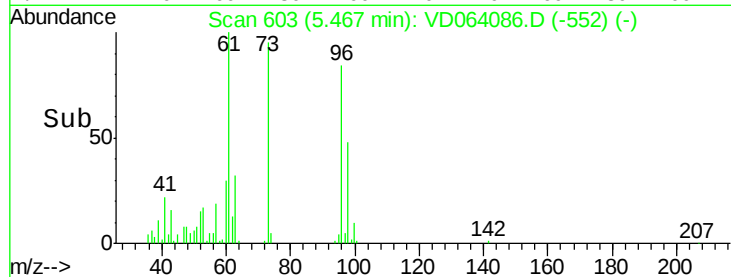
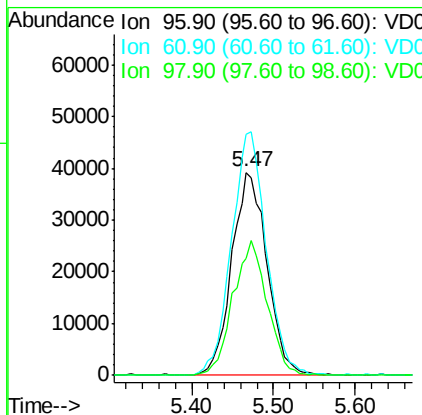
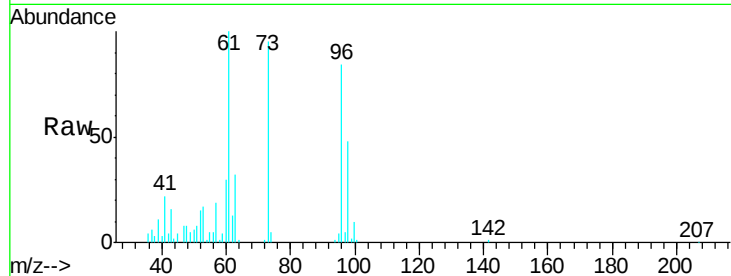
ClientSampleId :

VSTDICCC050

Tgt Ion:	96	Resp:	117306
Ion	Ratio	Lower	Upper
96	100		
61	118.8	95.0	142.6
98	57.3	45.8	68.8

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#22

Diisopropyl ether

Concen: 50.813 ug/l

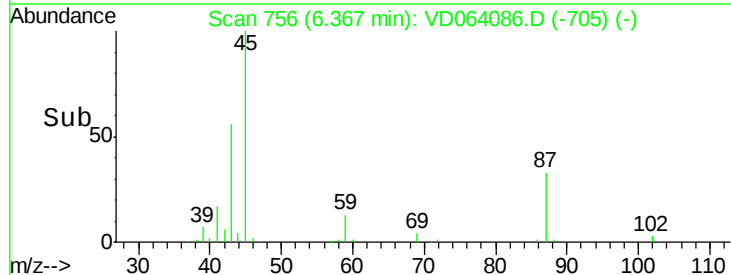
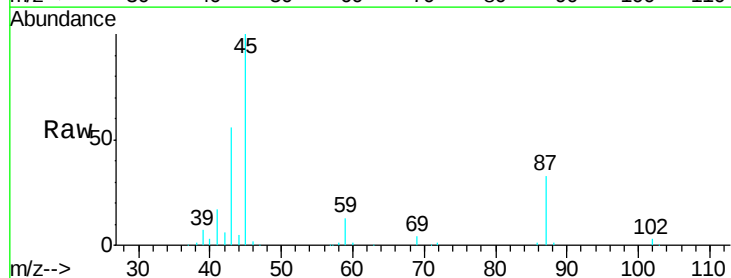
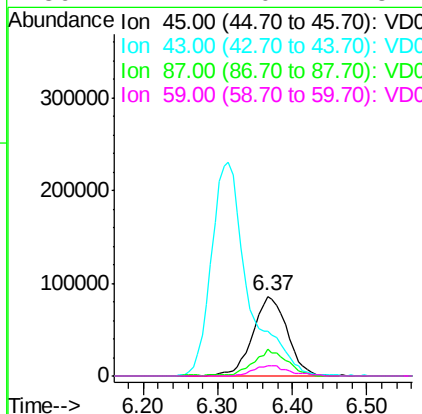
RT: 6.37 min Scan# 756

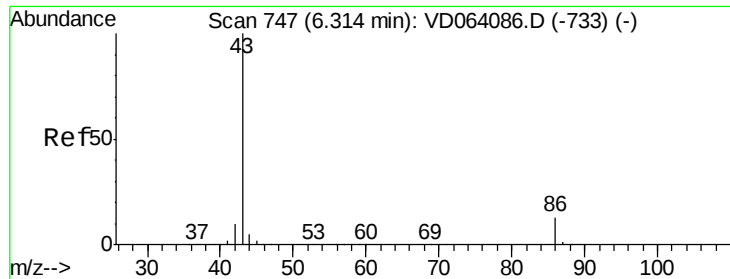
Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Tgt Ion:	45	Resp:	274648
Ion	Ratio	Lower	Upper
45	100		
43	55.4	44.3	66.5
87	33.2	26.6	39.8
59	12.7	10.2	15.2





#23

Vinyl Acetate

Concen: 260.581 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 788381

Ion Ratio Lower Upper

43 100

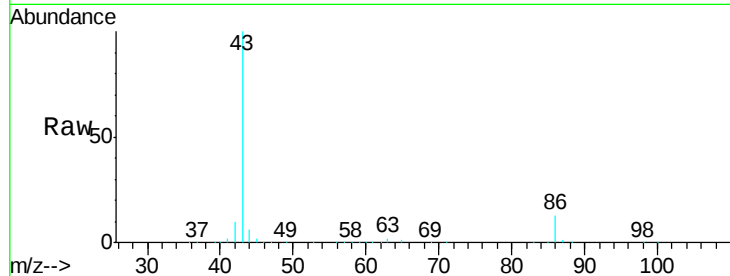
86 13.4 10.7 16.1

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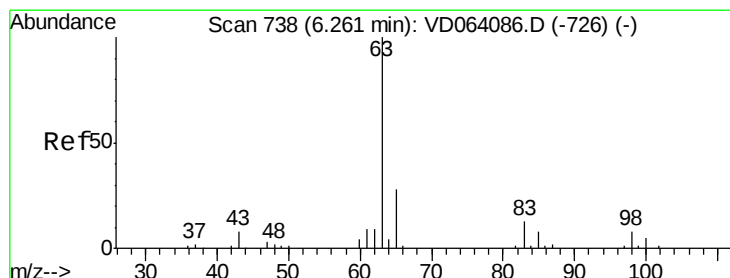
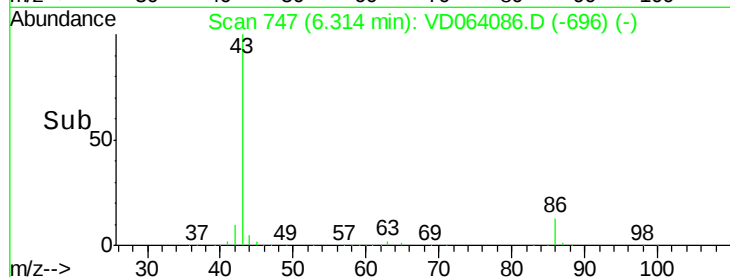
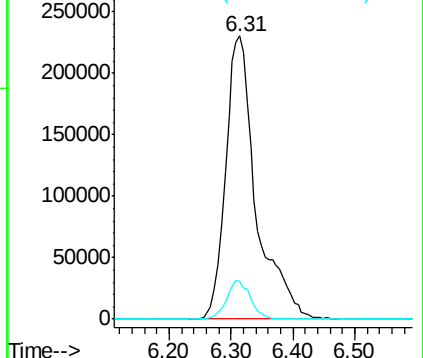
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.513 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

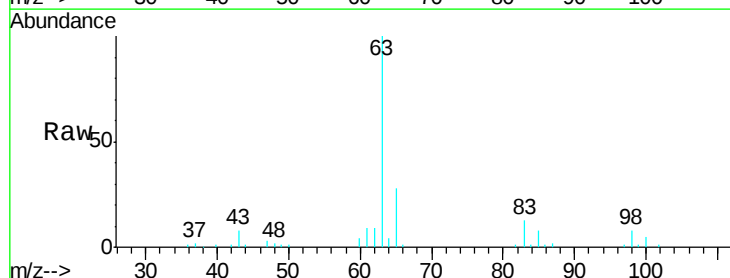
Tgt Ion: 63 Resp: 184368

Ion Ratio Lower Upper

63 100

98 7.9 4.0 11.9

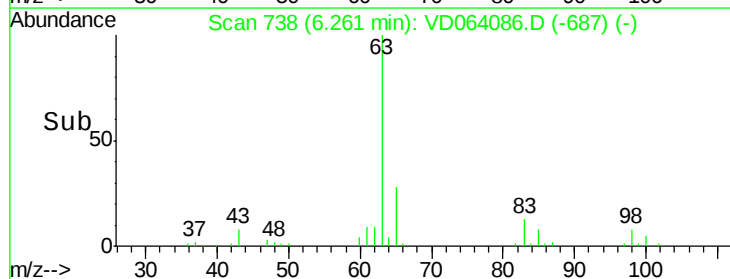
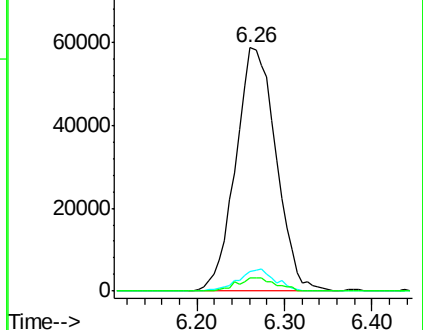
100 5.2 2.6 7.8

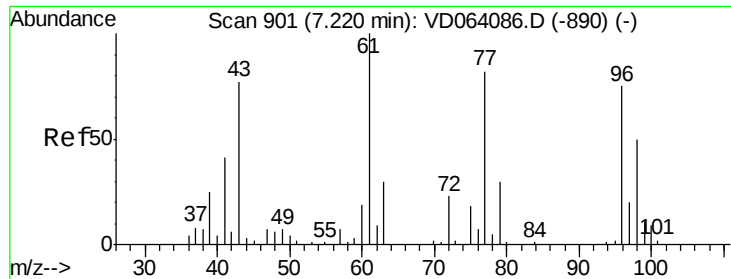


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





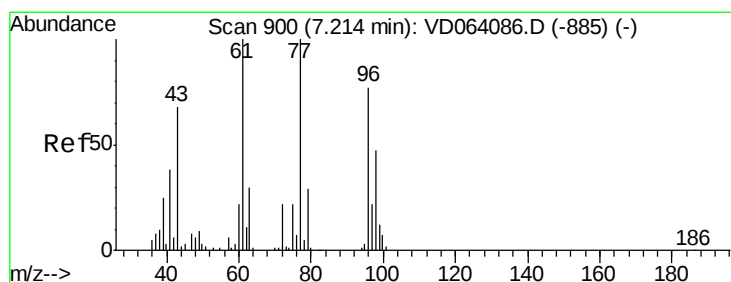
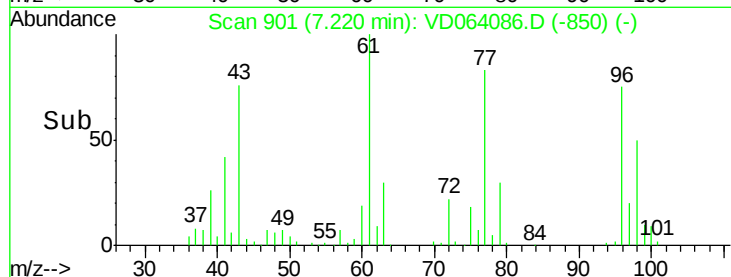
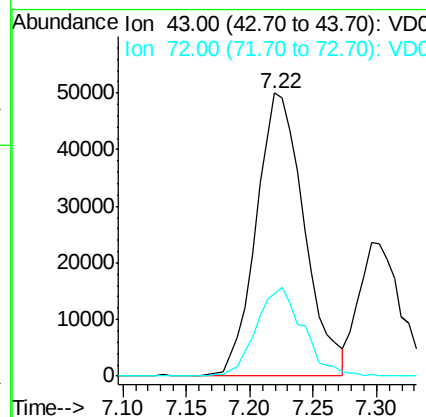
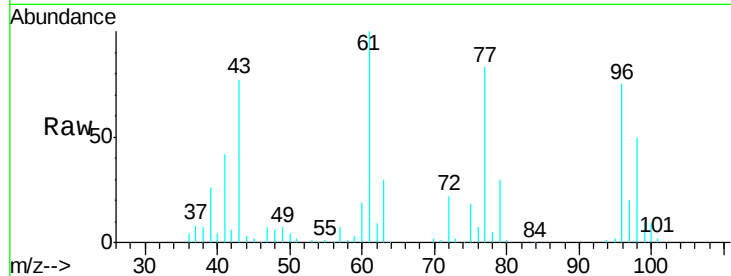
#25
2-Butanone
Concen: 262.663 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 132084
Ion Ratio Lower Upper
43 100
72 29.2 23.4 35.0

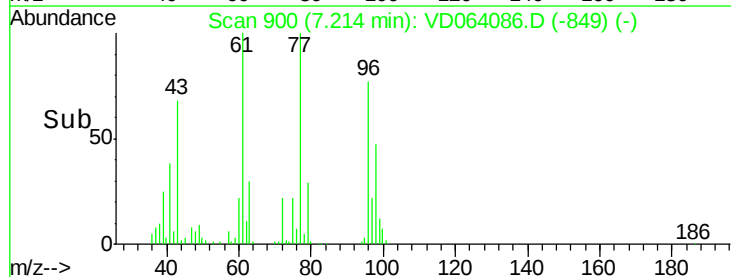
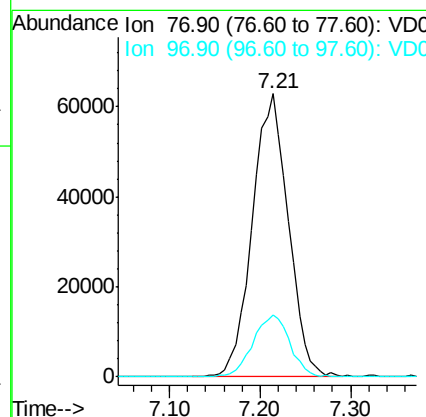
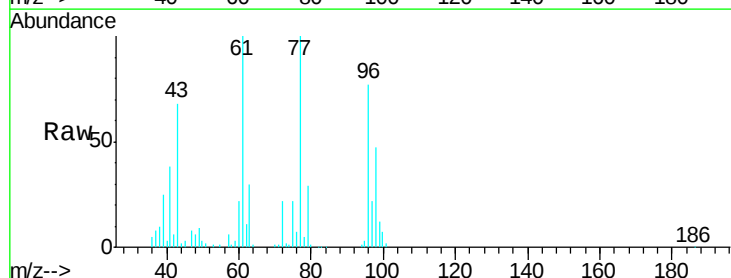
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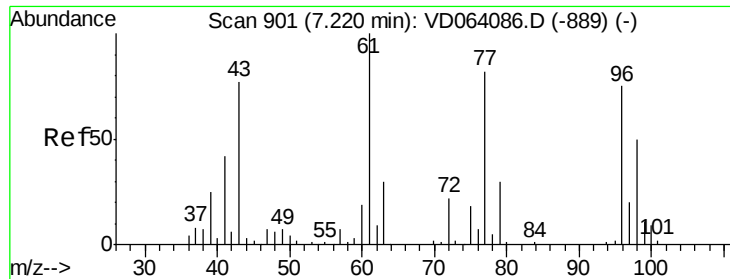
MMDadoda
10/30/2019 10:58:17 AM



#26
2,2-Dichloropropane
Concen: 49.988 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion: 77 Resp: 173169
Ion Ratio Lower Upper
77 100
97 22.3 11.2 33.5





#27

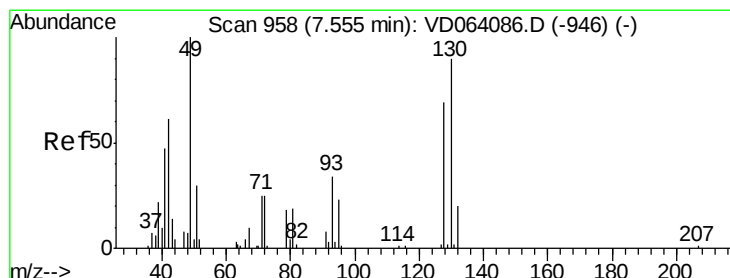
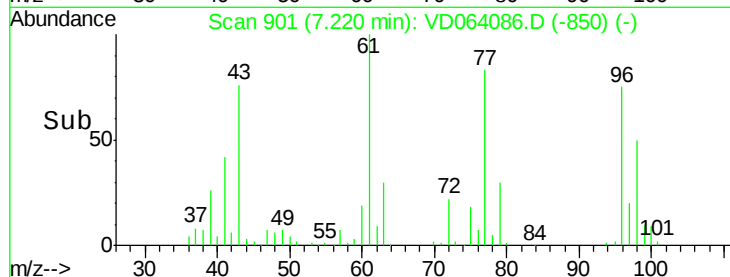
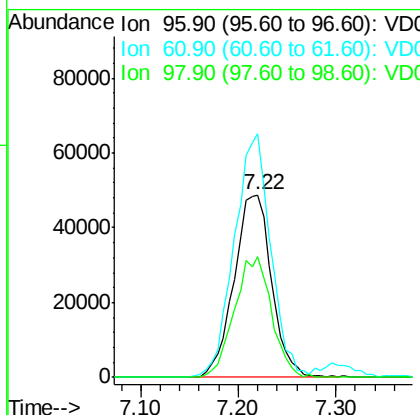
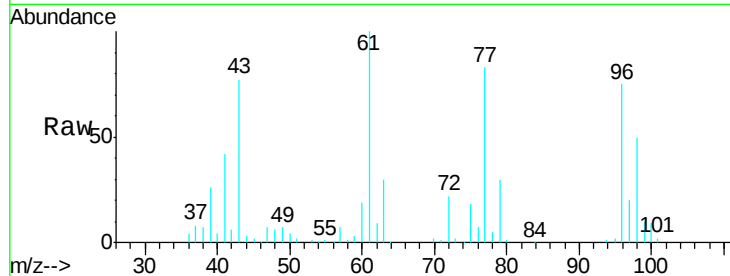
cis-1,2-Dichloroethene
Concen: 50.053 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.0	0.0	258.0
98	65.4	0.0	130.8

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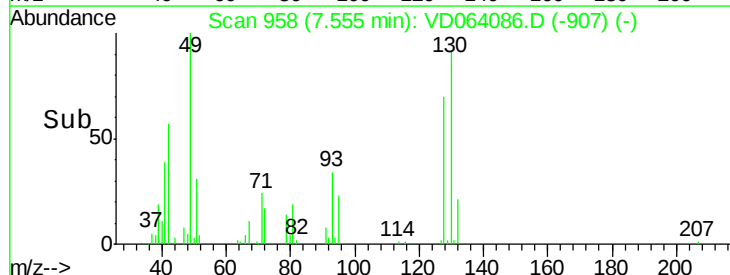
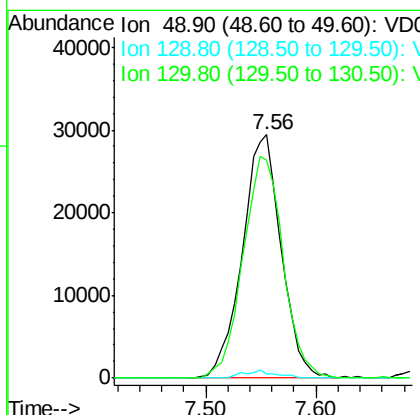
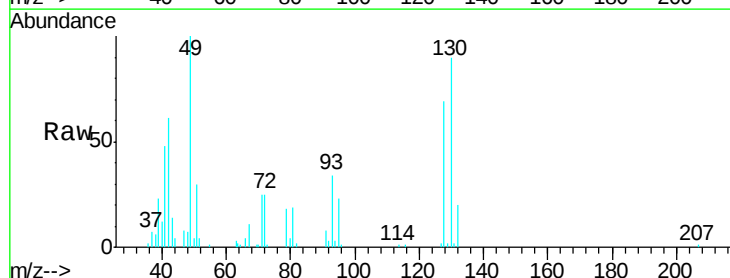
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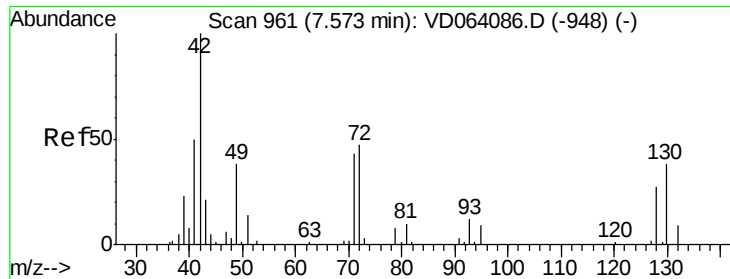


#28

Bromochloromethane
Concen: 54.552 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.4
130	94.1	75.3	112.9





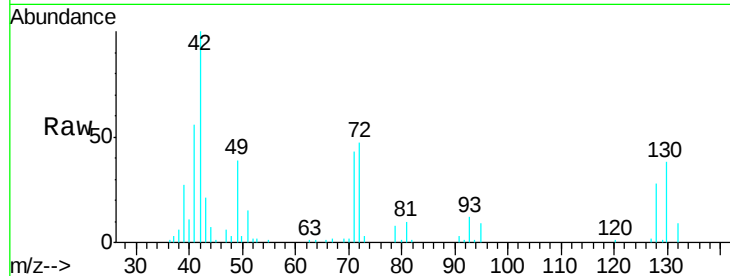
#29
Tetrahydrofuran
Concen: 259.431 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

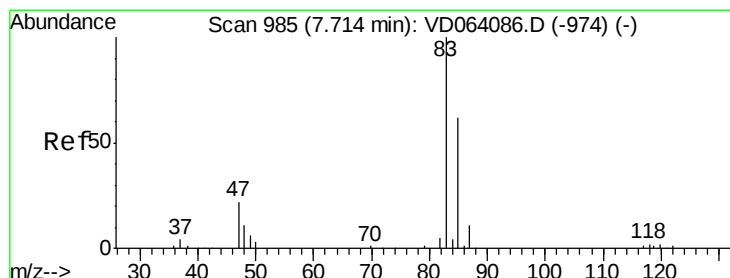
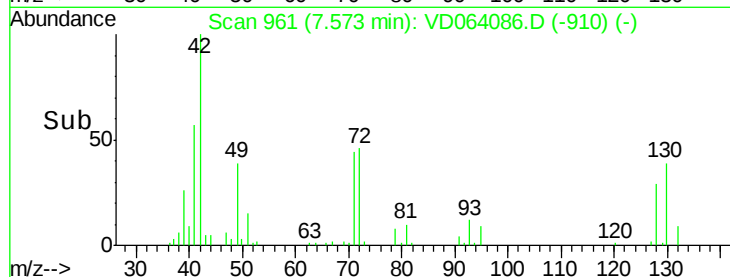
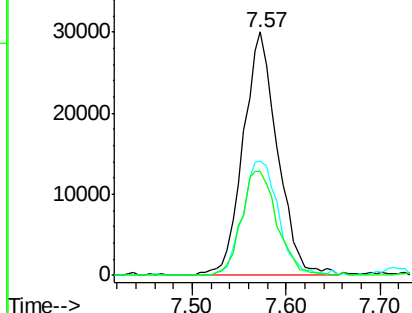
Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.6	38.9	58.3
71	44.3	35.4	53.2

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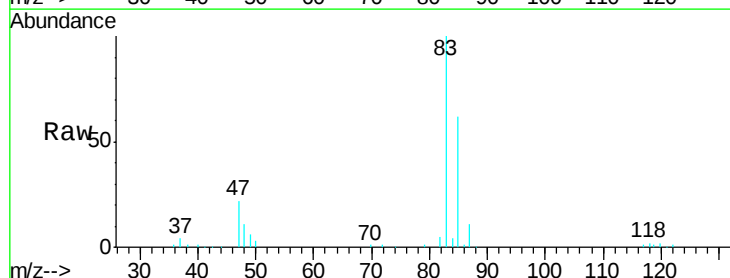


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

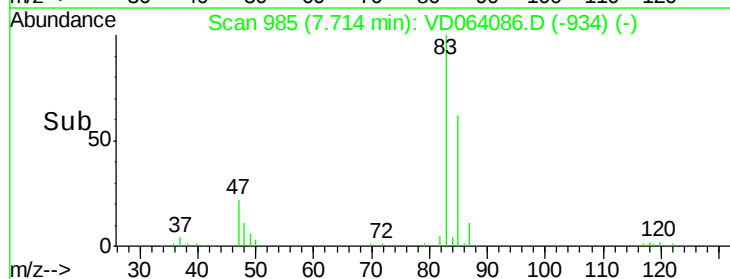
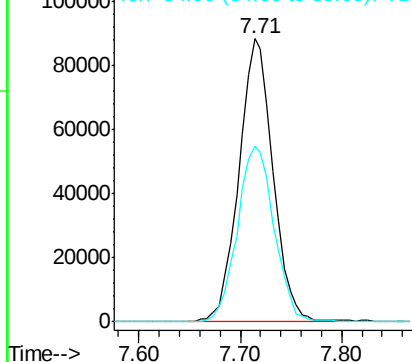


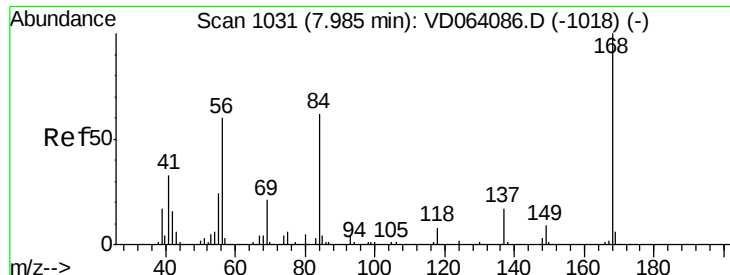
#30
Chloroform
Concen: 49.245 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.8	74.6



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





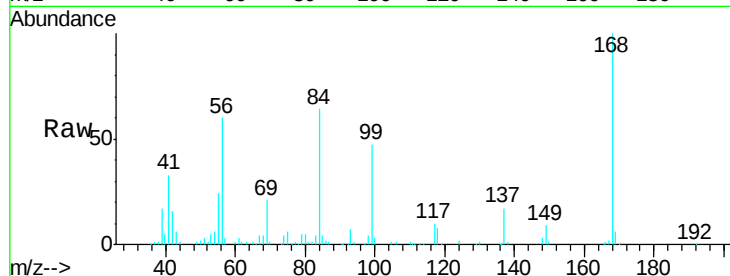
#31
Cyclohexane
Concen: 47.072 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.6	27.7	41.5
84	103.9	83.1	124.7

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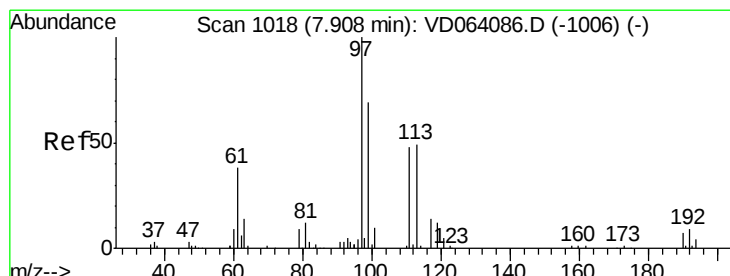
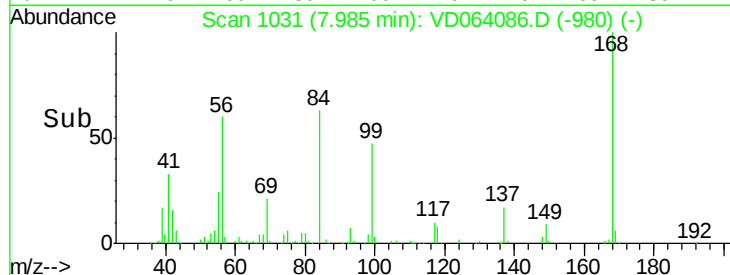
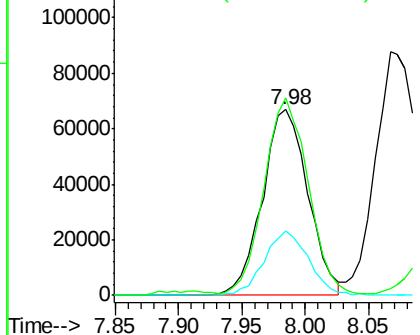


Abundance

Ion 56.00 (55.70 to 56.70): VDC

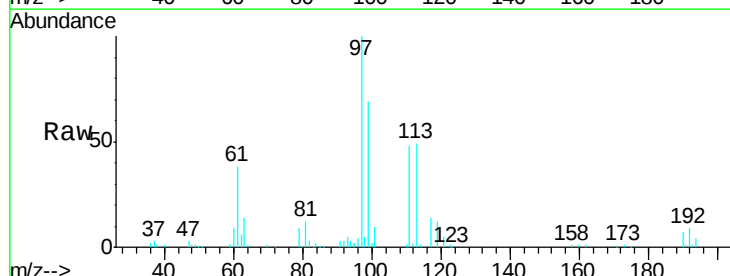
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32
1,1,1-Trichloroethane
Concen: 49.657 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.1	53.7	80.5
61	39.7	31.8	47.6

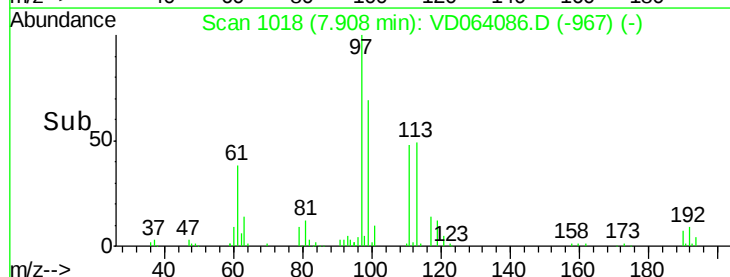
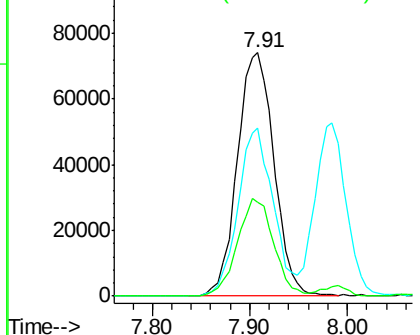


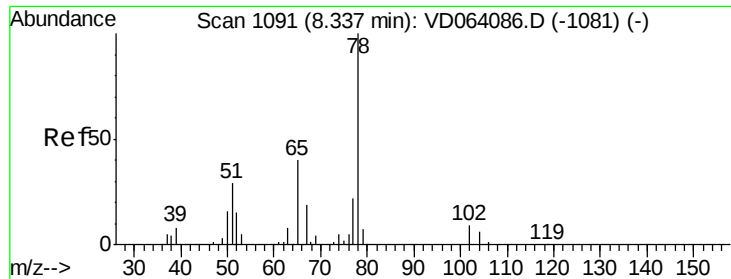
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 51.383 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 98231

Ion Ratio Lower Upper

65 100

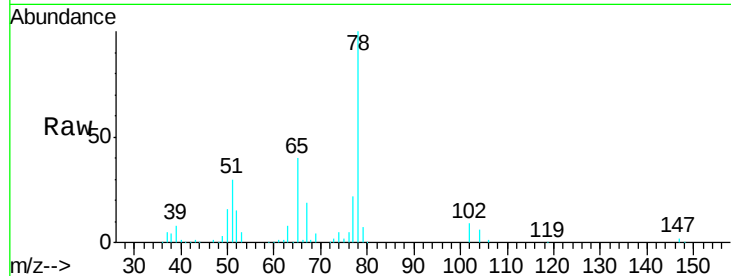
67 52.3 0.0 104.6

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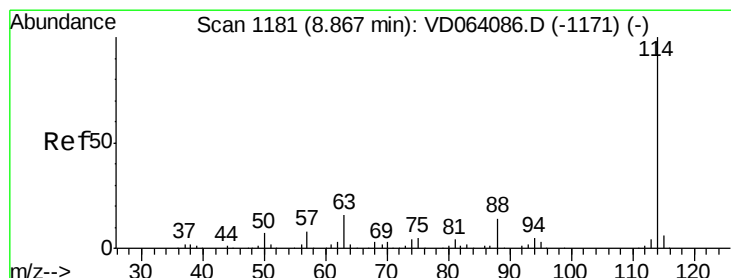
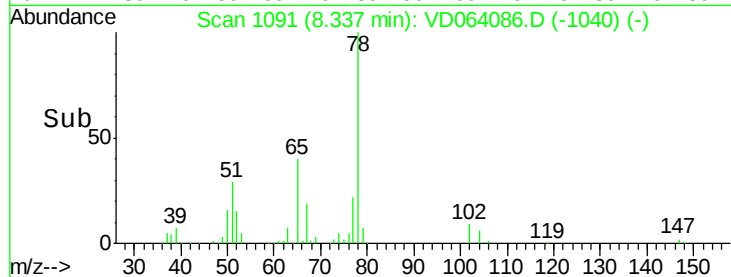
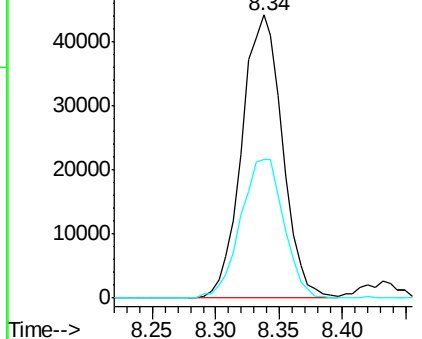
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

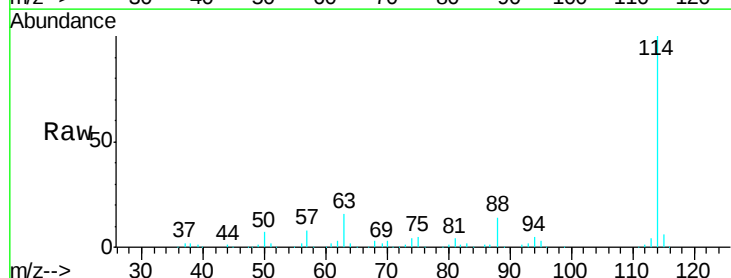
Tgt Ion: 114 Resp: 348088

Ion Ratio Lower Upper

114 100

63 16.4 0.0 32.8

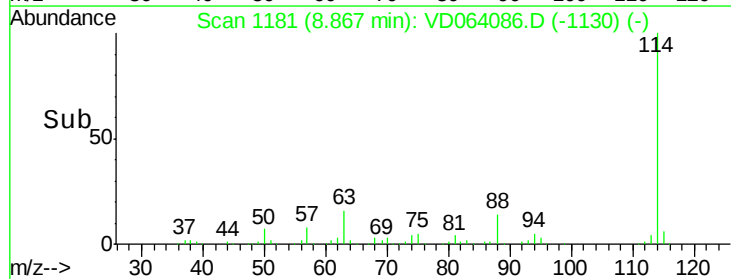
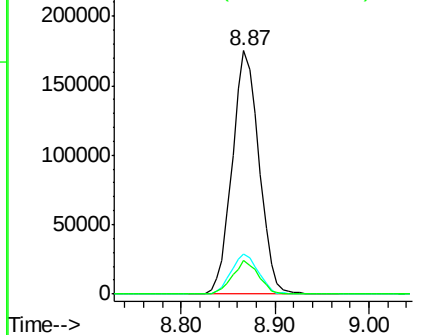
88 13.8 0.0 27.6

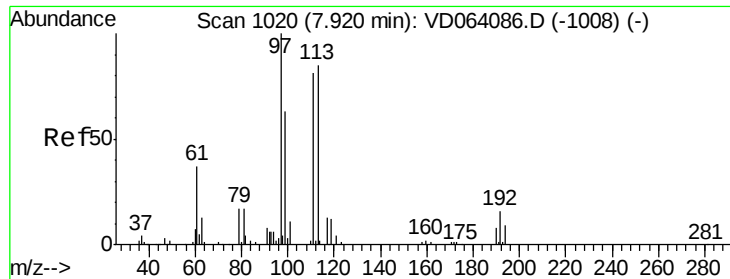


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





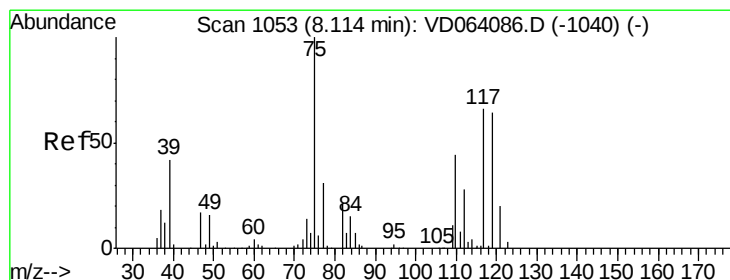
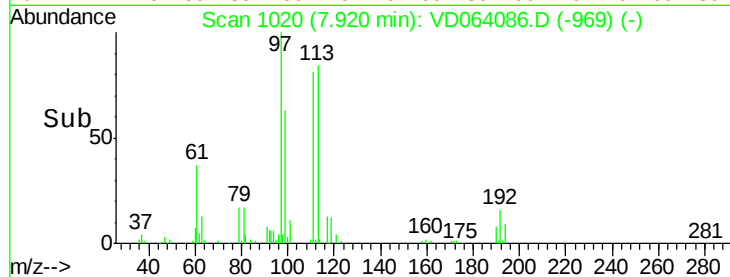
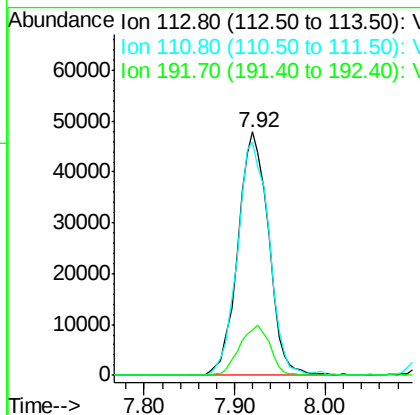
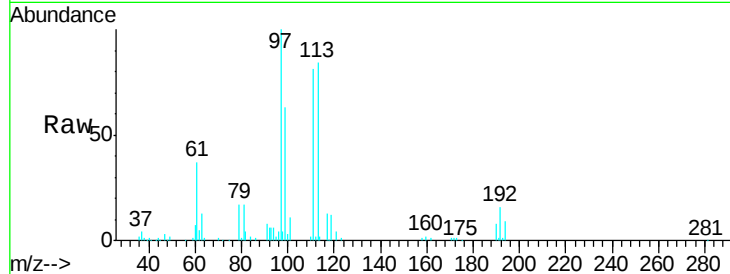
#35
 Dibromofluoromethane
 Concen: 52.533 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.1	79.3	118.9
192	20.2	16.2	24.2

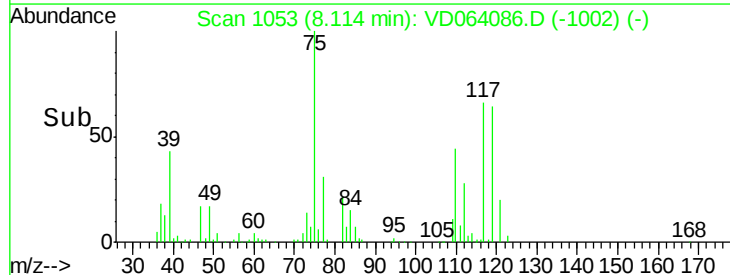
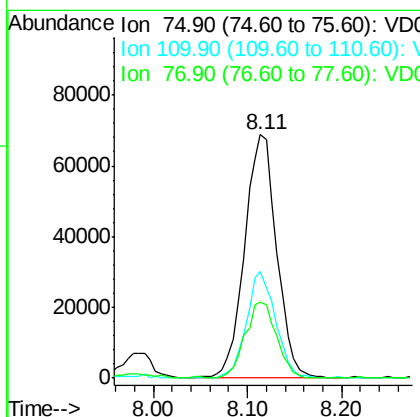
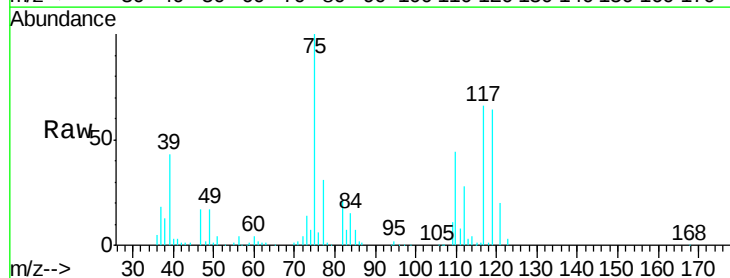
Manual Integrations
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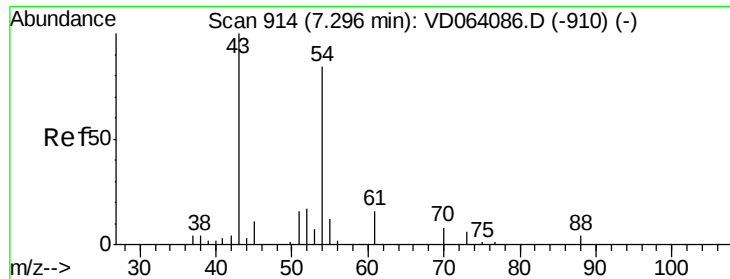
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#36
 1,1-Dichloropropene
 Concen: 49.735 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.9	20.0	59.9
77	30.9	24.7	37.1





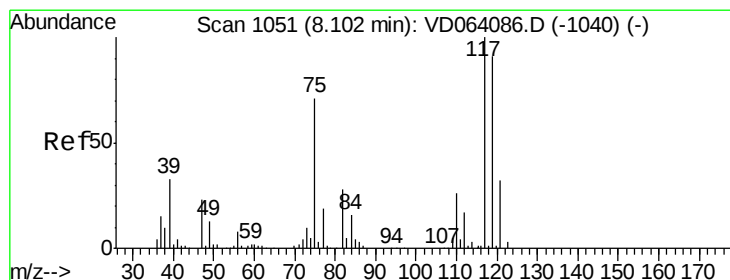
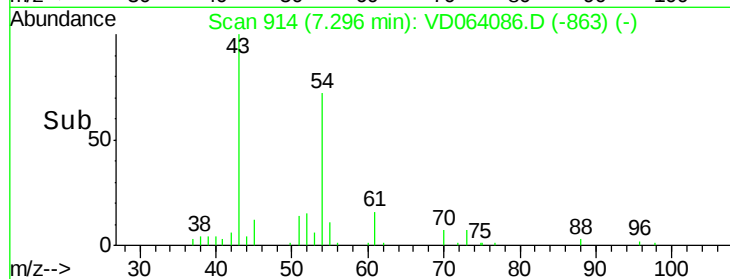
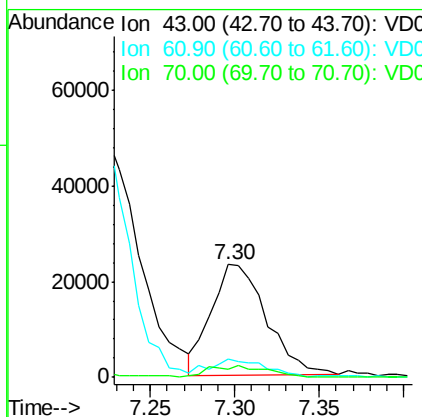
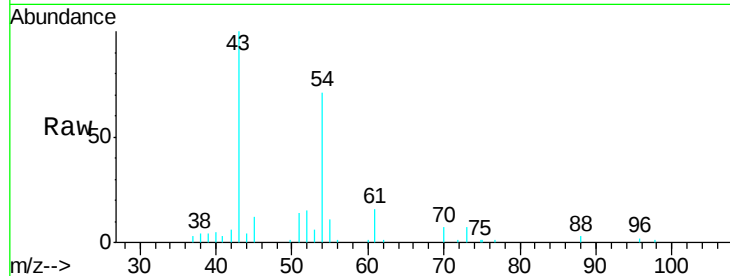
#37
Ethyl Acetate
Concen: 52.509 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 52716
Ion Ratio Lower Upper
43 100
61 15.0 12.0 18.0
70 4.7 3.8 5.6

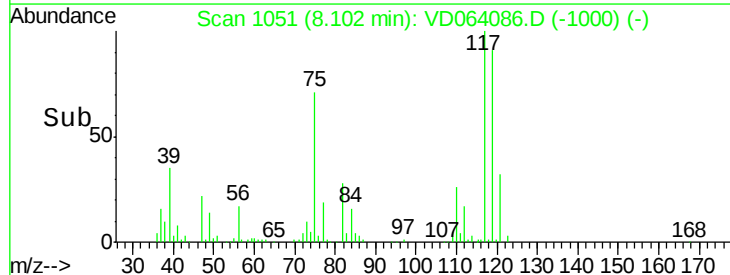
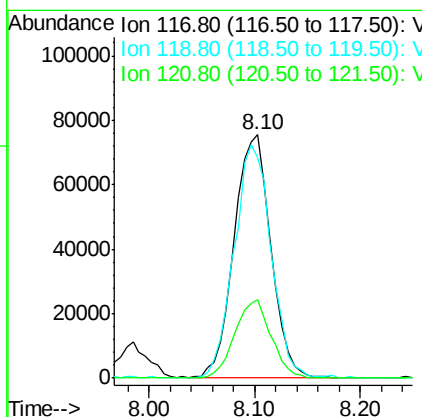
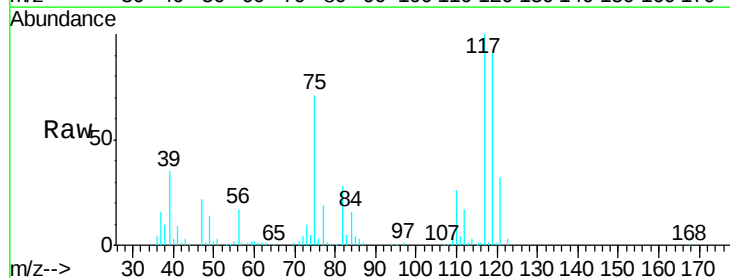
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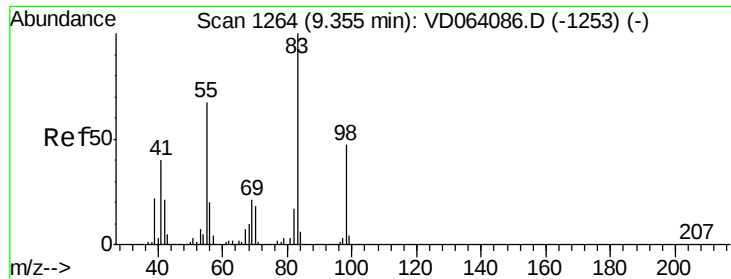
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#38
Carbon Tetrachloride
Concen: 51.379 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion: 117 Resp: 182842
Ion Ratio Lower Upper
117 100
119 90.7 72.6 108.8
121 32.2 25.8 38.6





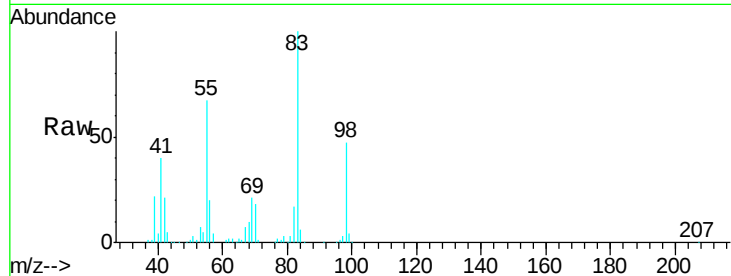
#39
Methylcyclohexane
Concen: 53.469 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

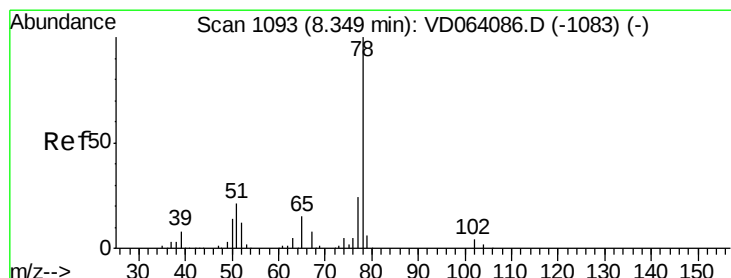
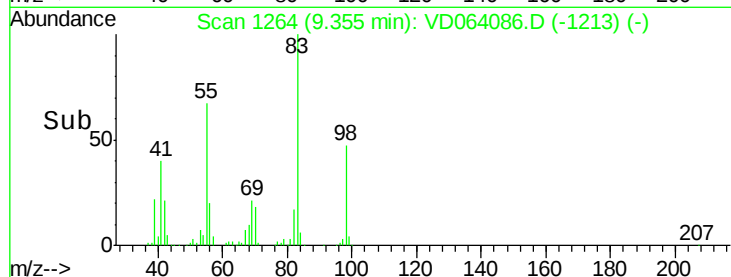
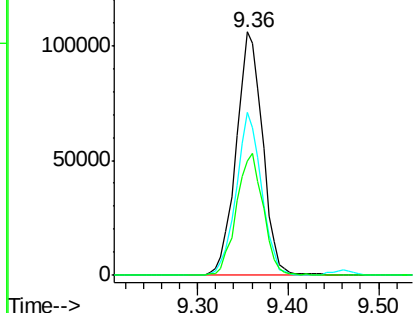
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	214086		
55	66.7	53.4	80.0	
98	47.2	37.8	56.6	

Manual Integrations
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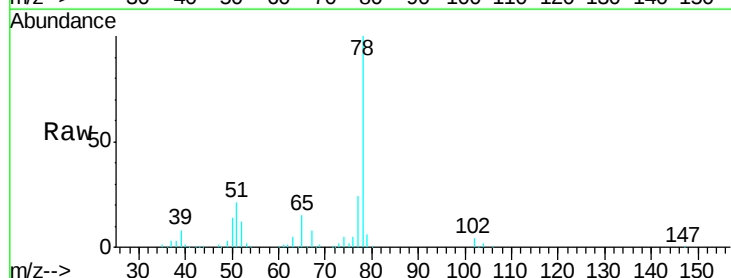


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

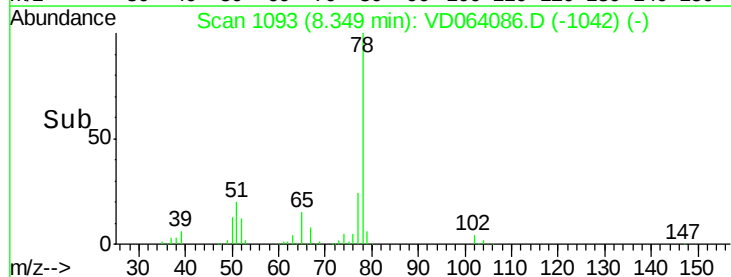
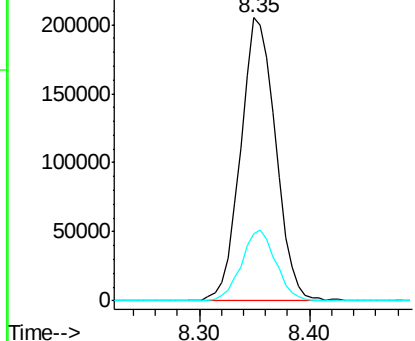


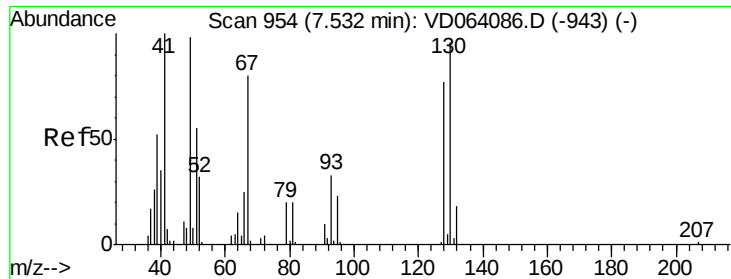
#40
Benzene
Concen: 51.556 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	458563		
77	23.7	19.0	28.4	



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 43.929 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 29929
Ion Ratio Lower Upper

41 100

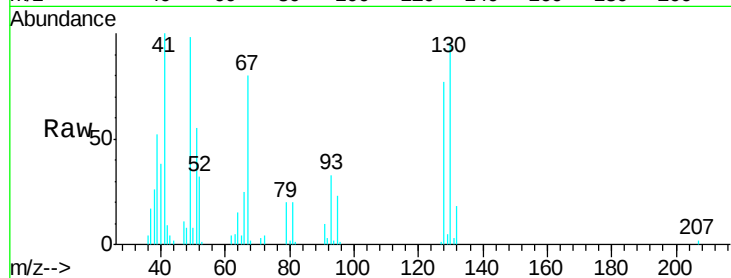
39 51.2 41.0 61.4

67 91.7 73.4 110.0

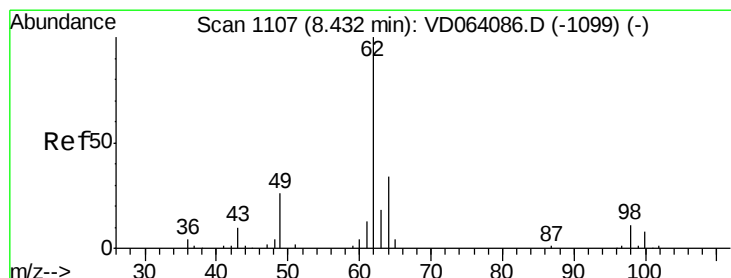
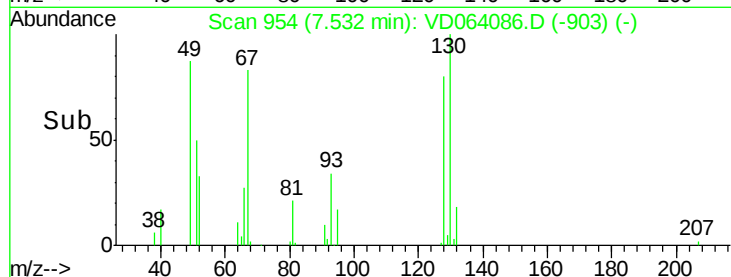
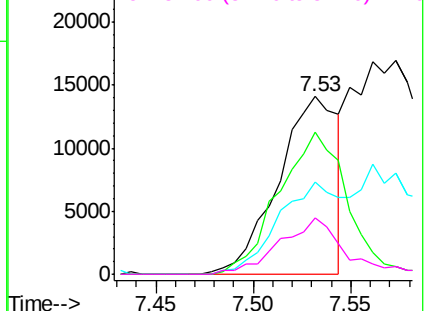
52 34.1 27.3 40.9

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Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 52.715 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

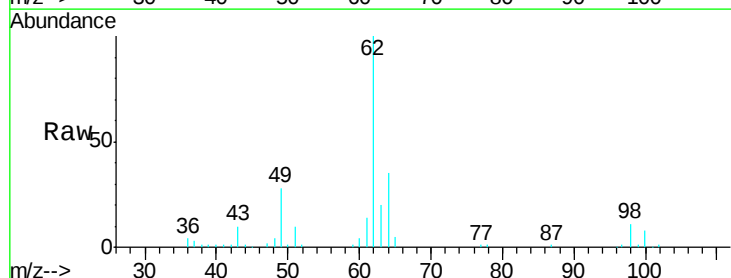
Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

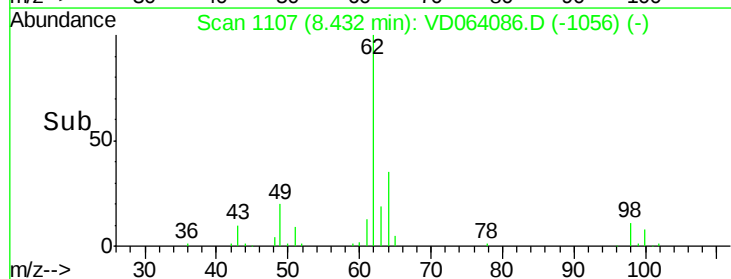
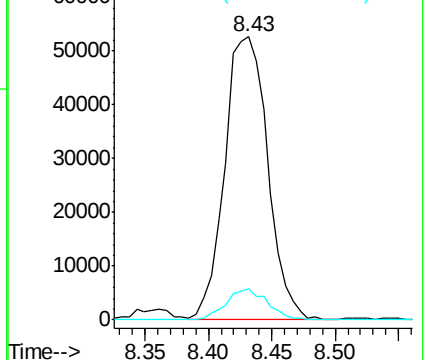
Tgt Ion: 62 Resp: 123852
Ion Ratio Lower Upper

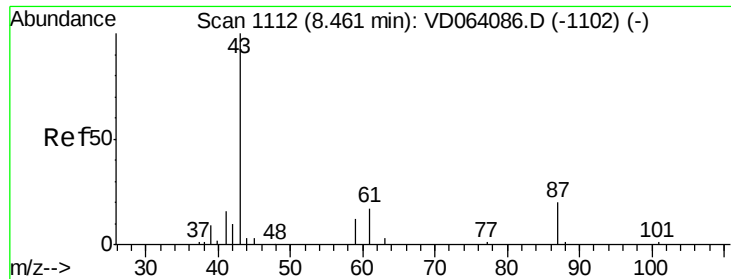
62 100

98 10.5 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





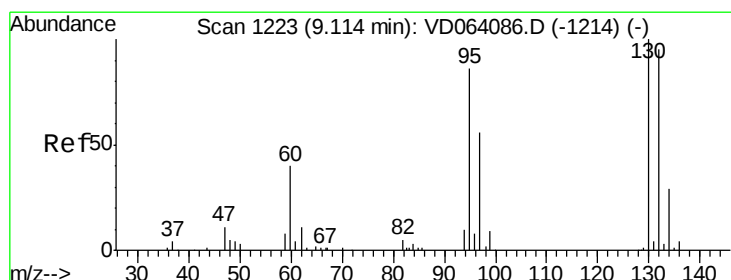
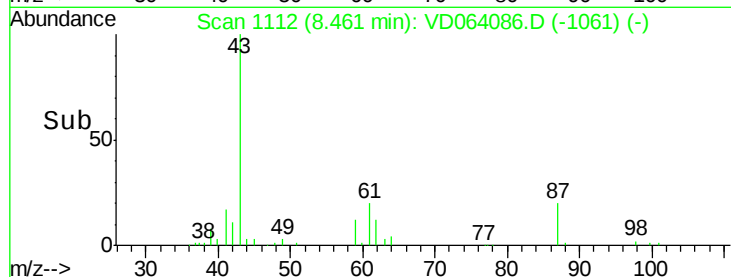
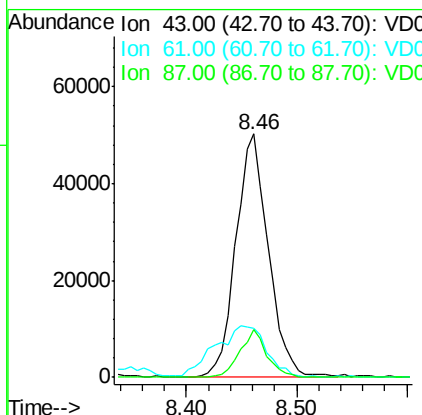
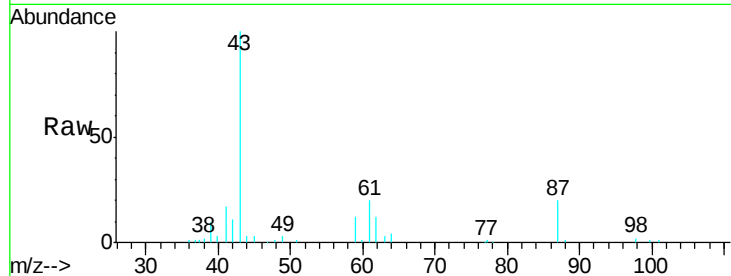
#43
Isopropyl Acetate
Concen: 51.361 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	32.3	25.8	38.8
87	16.2	13.0	19.4

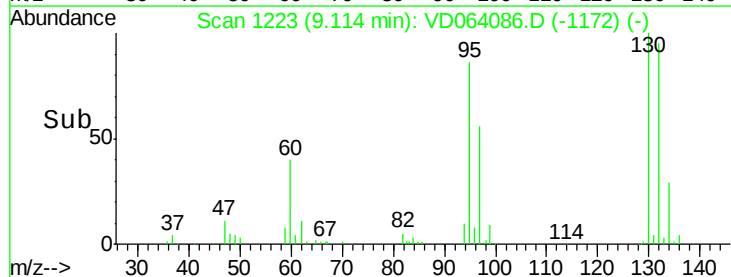
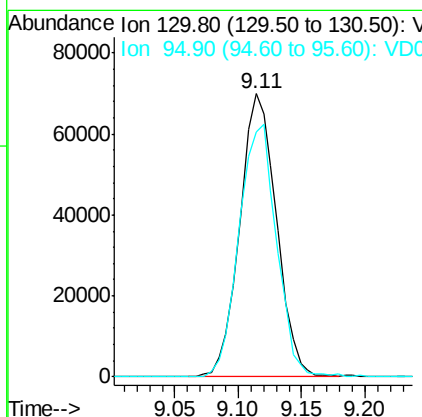
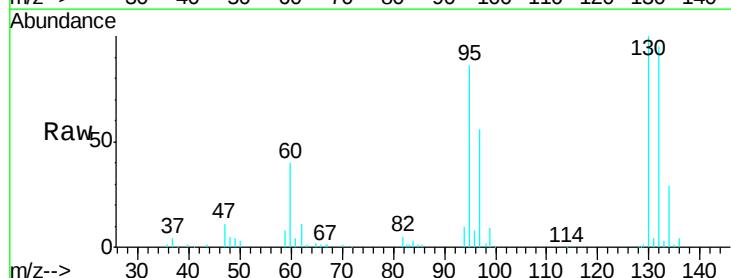
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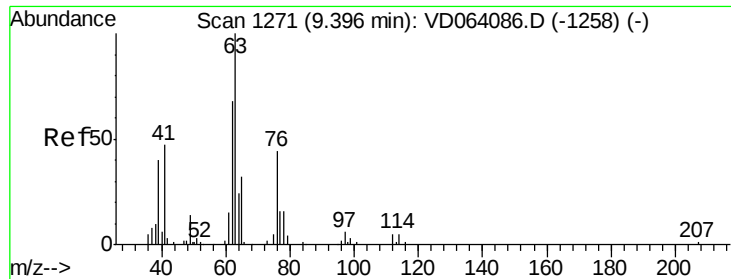
MMDadoda
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#44
Trichloroethene
Concen: 52.167 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.5	0.0	173.0





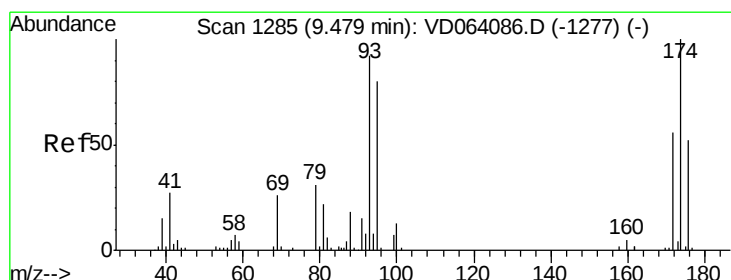
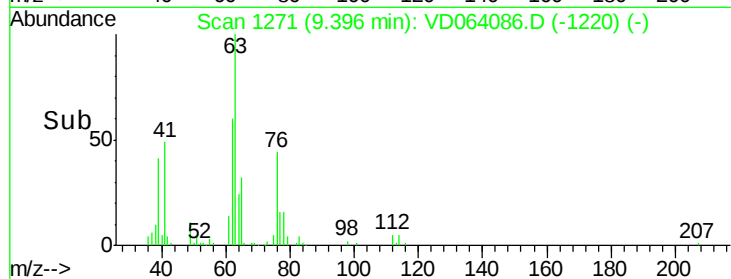
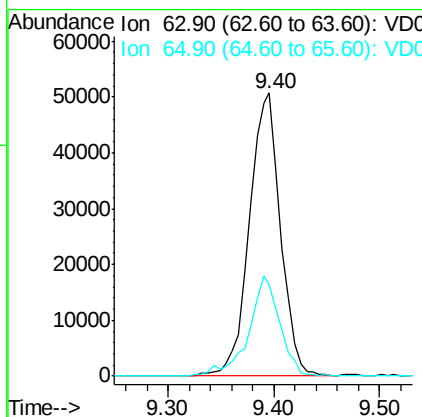
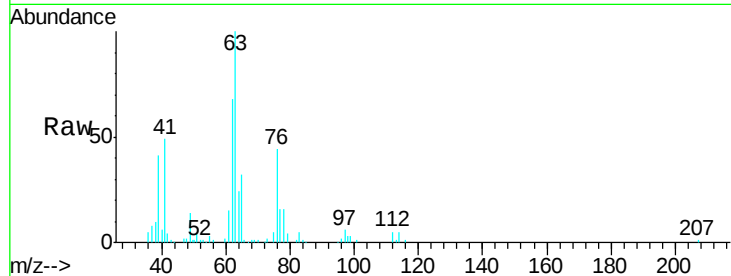
#45
 1,2-Dichloropropane
 Concen: 50.551 ug/l
 RT: 9.40 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 104201
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.8 38.8

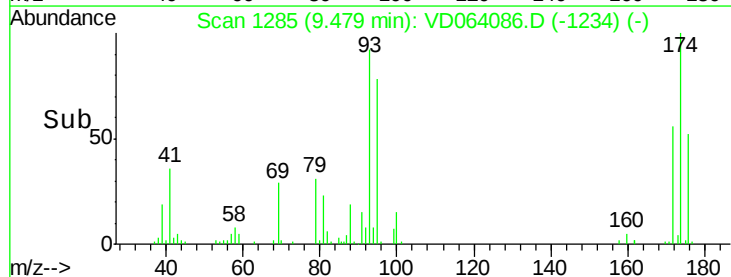
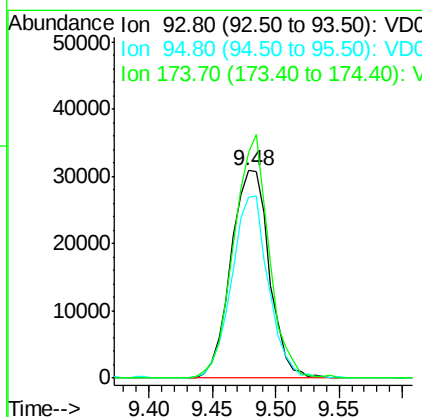
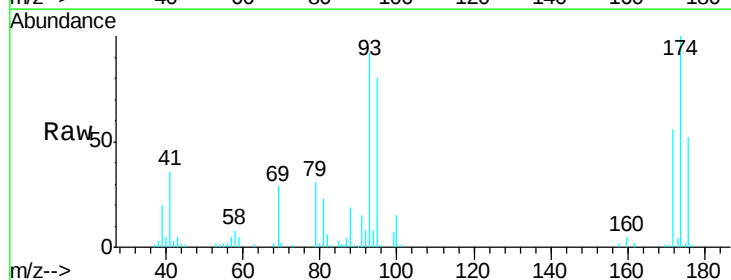
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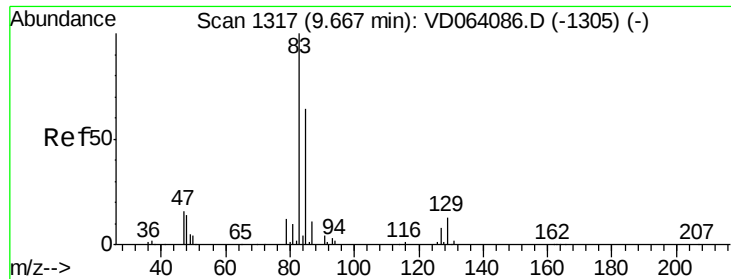
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#46
 Dibromomethane
 Concen: 52.122 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Tgt Ion: 93 Resp: 64707
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.4 101.2
 174 108.0 86.4 129.6





#47

Bromodichloromethane

Concen: 52.722 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

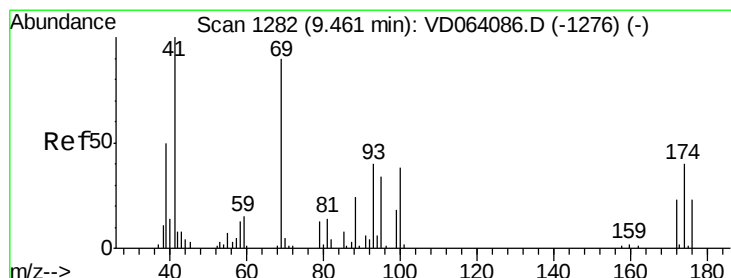
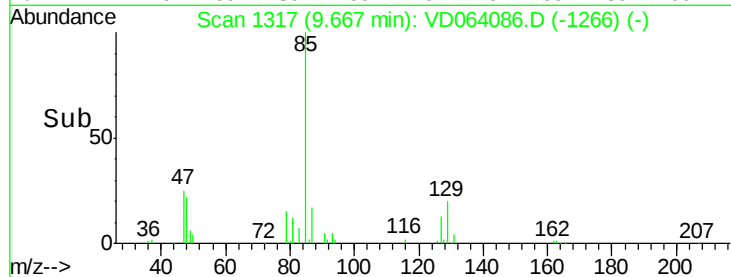
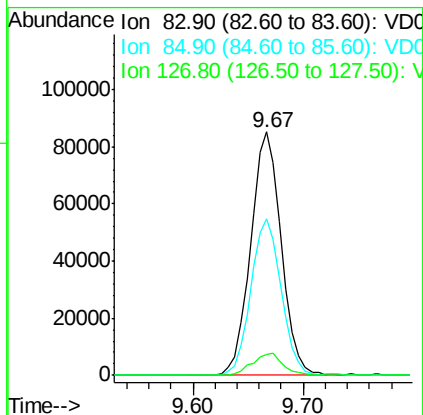
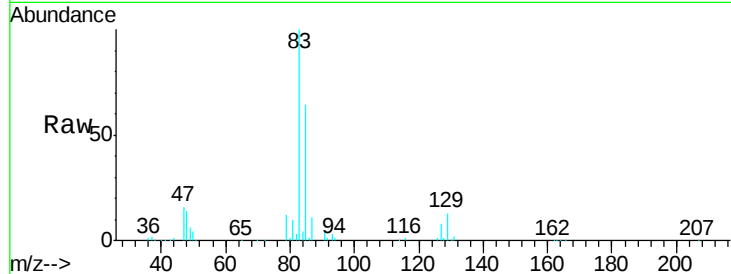
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	165121
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.4	77.0
127	8.4	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.486 ug/l

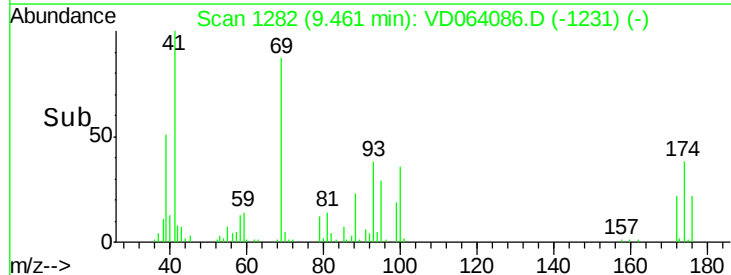
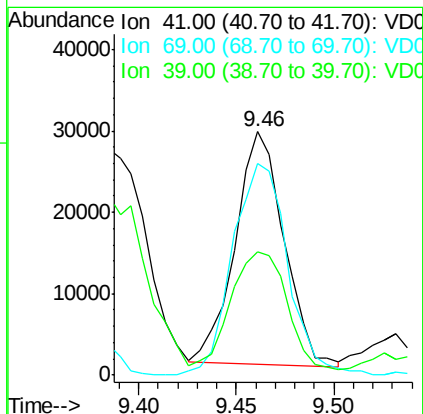
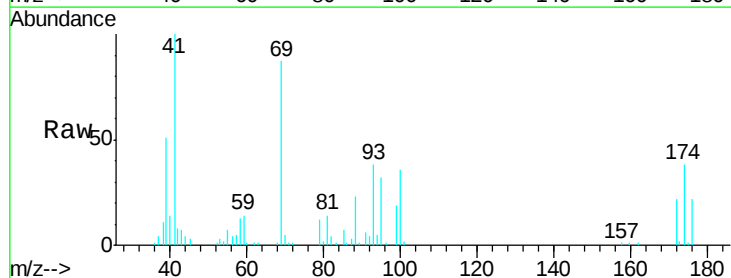
RT: 9.46 min Scan# 1282

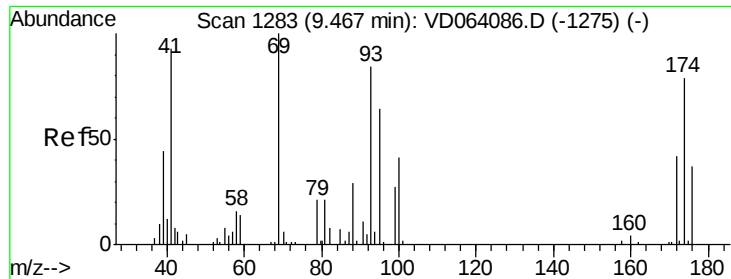
Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Tgt Ion:	41	Resp:	49245
Ion	Ratio	Lower	Upper
41	100		
69	103.3	82.6	124.0
39	58.7	47.0	70.4





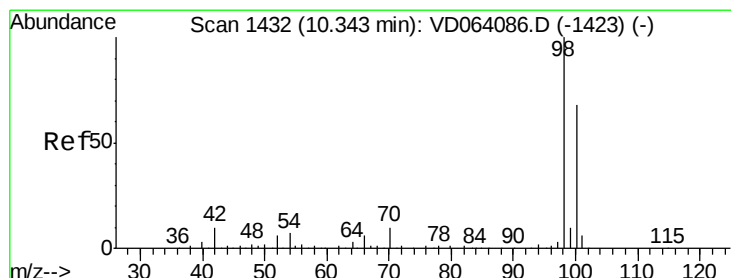
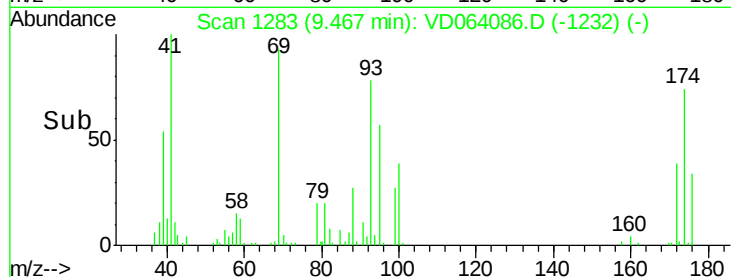
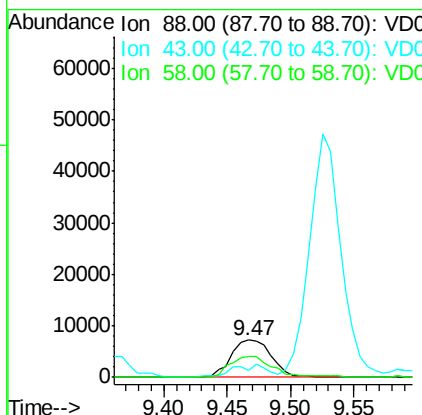
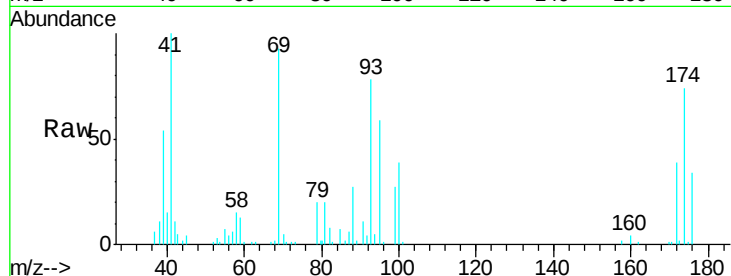
#49
 1,4-Dioxane
 Concen: 1130.992 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 88 Resp: 16072
 Ion Ratio Lower Upper
 88 100
 43 16.7 13.4 20.0
 58 58.4 46.7 70.1

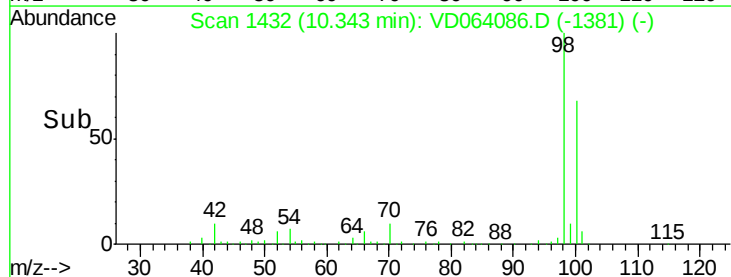
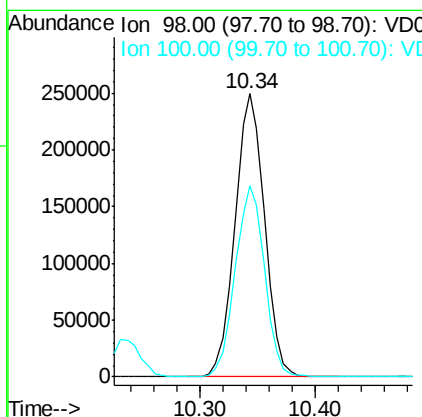
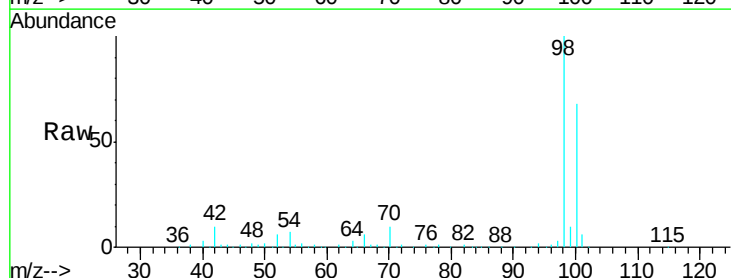
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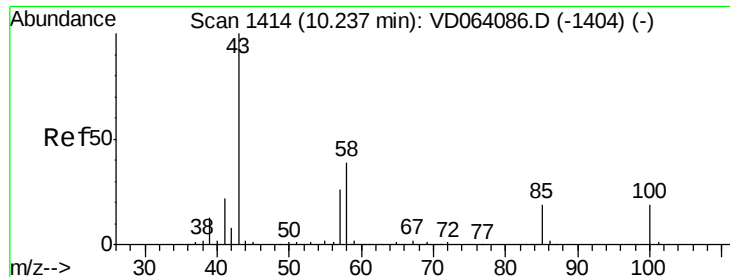
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#50
 Toluene-d8
 Concen: 51.468 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Tgt Ion: 98 Resp: 440793
 Ion Ratio Lower Upper
 98 100
 100 66.7 53.4 80.0





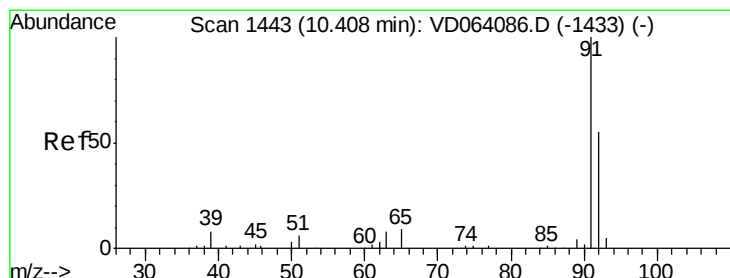
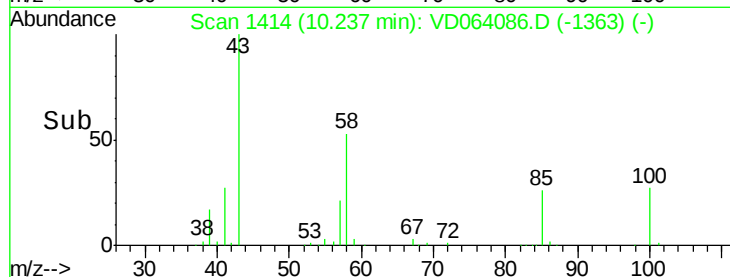
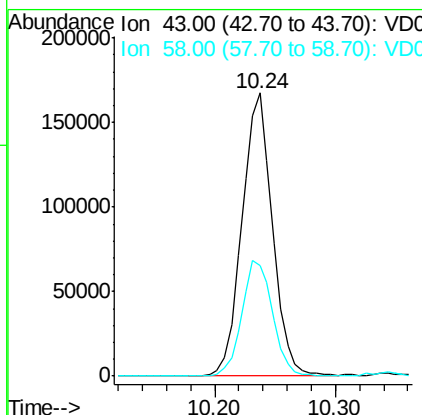
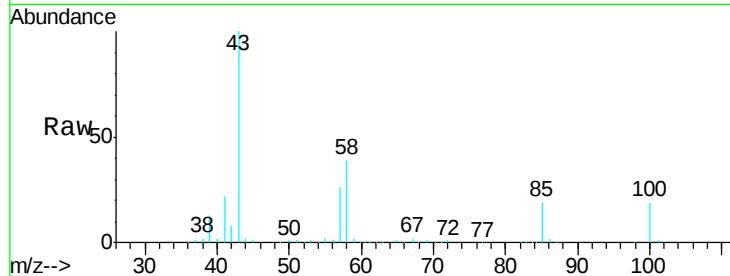
#51
 4-Methyl-2-Pentanone
 Concen: 266.956 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 43 Resp: 294867
 Ion Ratio Lower Upper
 43 100
 58 41.2 33.0 49.4

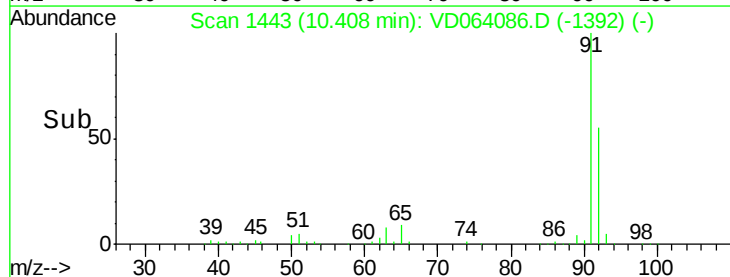
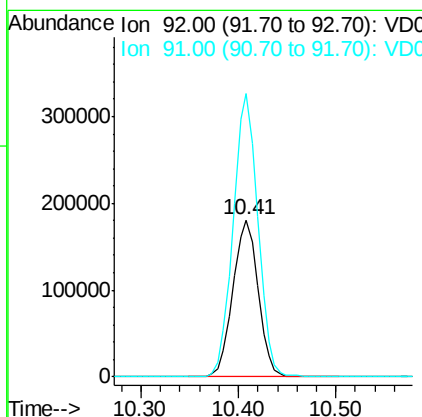
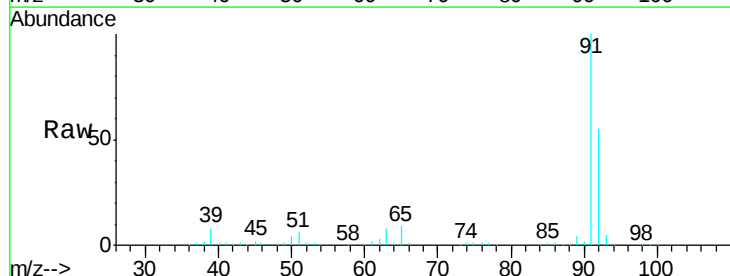
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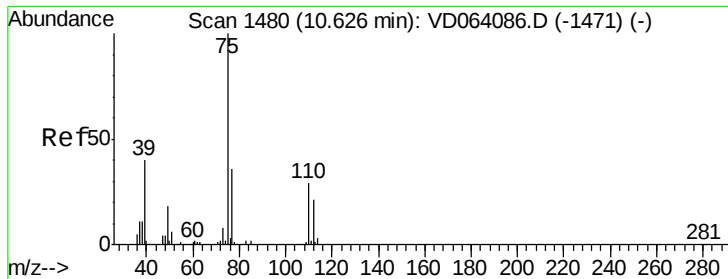
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#52
 Toluene
 Concen: 52.314 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Tgt Ion: 92 Resp: 326085
 Ion Ratio Lower Upper
 92 100
 91 175.9 140.7 211.1





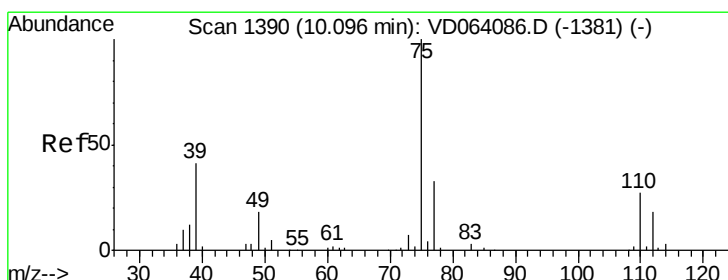
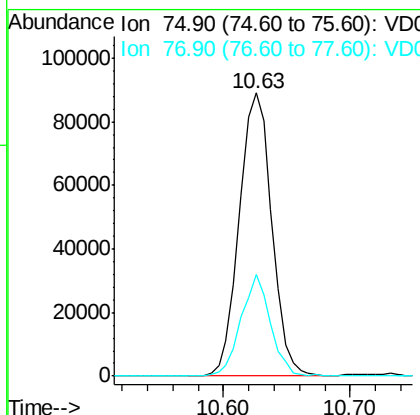
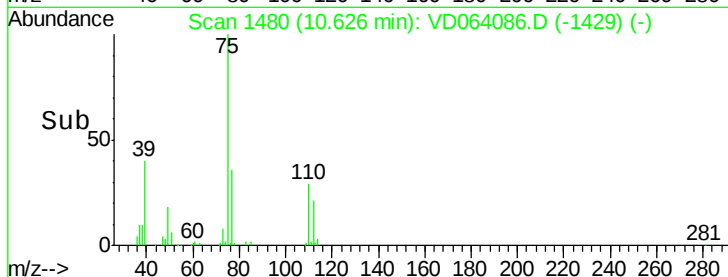
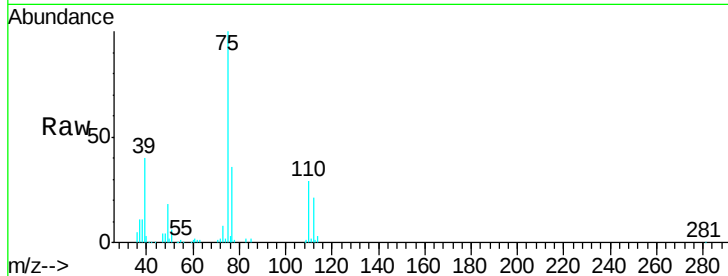
#53
t-1,3-Dichloropropene
Concen: 54.327 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 158827
Ion Ratio Lower Upper
75 100
77 35.9 28.7 43.1

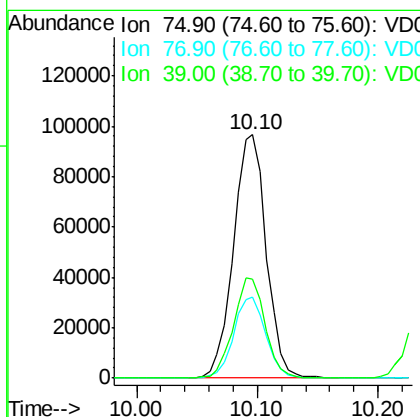
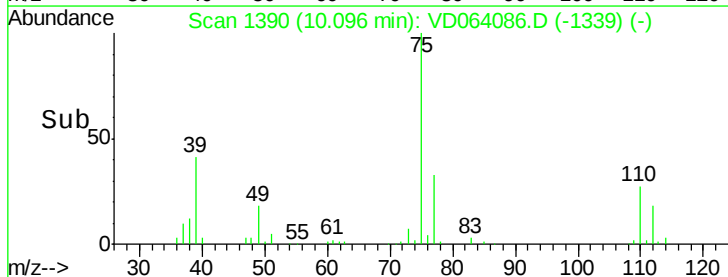
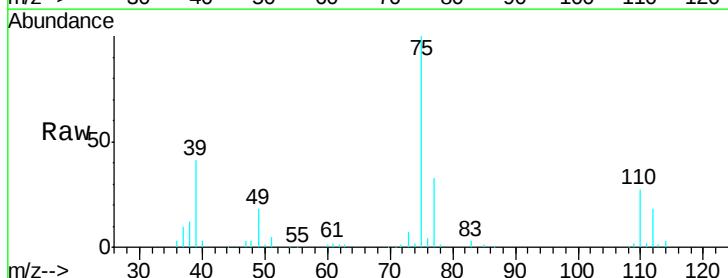
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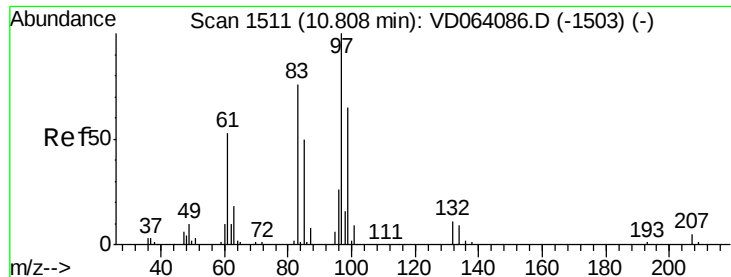
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#54
cis-1,3-Dichloropropene
Concen: 52.978 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion: 75 Resp: 182219
Ion Ratio Lower Upper
75 100
77 33.5 26.8 40.2
39 40.9 32.7 49.1





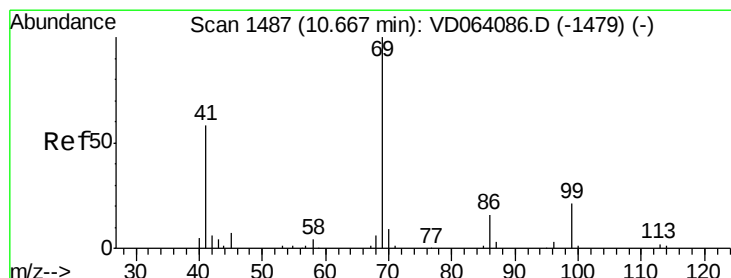
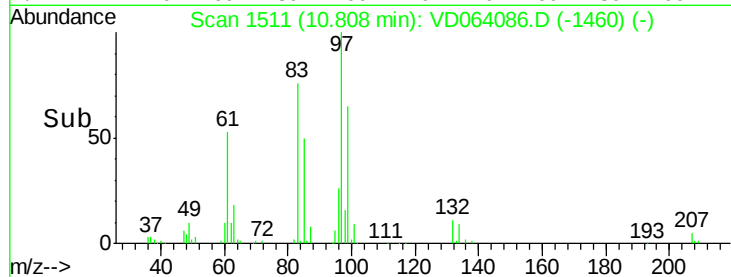
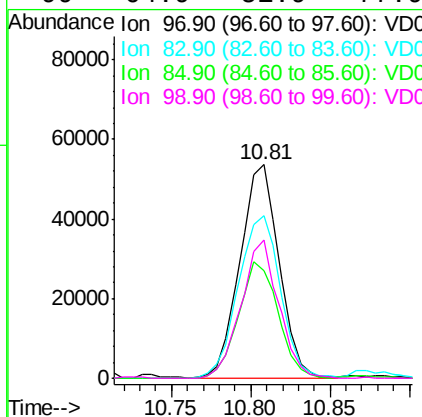
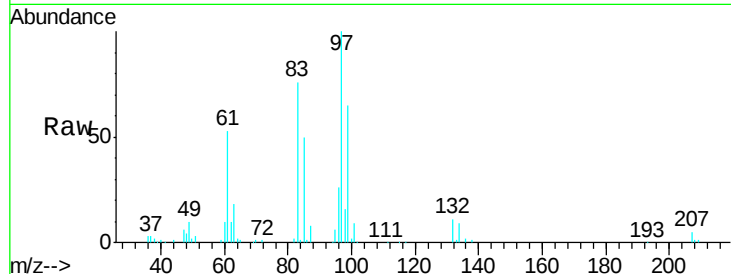
#55
 1,1,2-Trichloroethane
 Concen: 52.667 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:	97	Resp:	92701
Ion	Ratio	Lower	Upper
97	100		
83	76.1	60.9	91.3
85	50.2	40.2	60.2
99	64.9	51.9	77.9

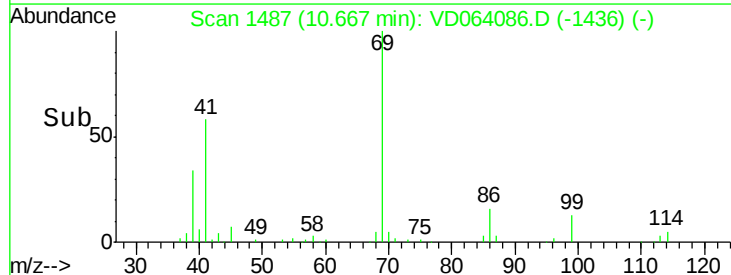
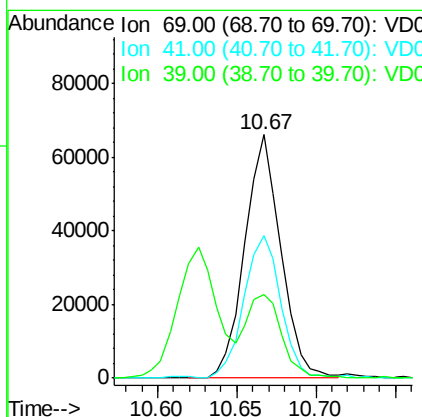
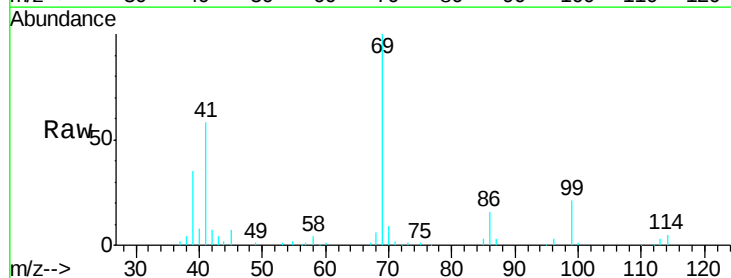
Manual Integrations
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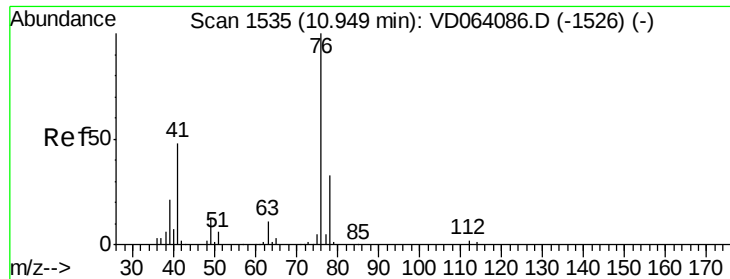
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#56
 Ethyl methacrylate
 Concen: 54.810 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Tgt Ion:	69	Resp:	104754
Ion	Ratio	Lower	Upper
69	100		
41	58.6	46.9	70.3
39	34.1	27.3	40.9





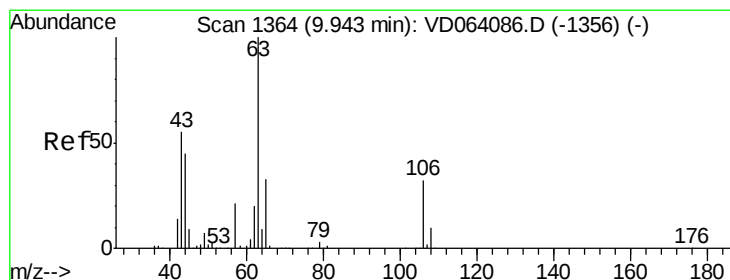
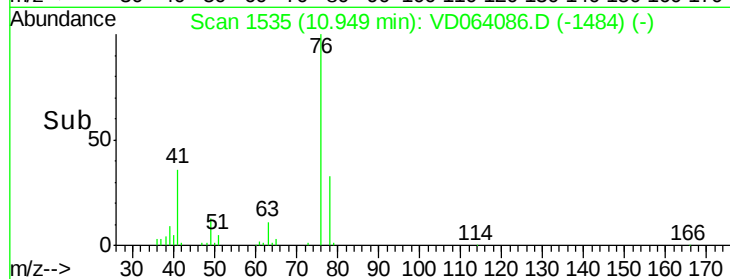
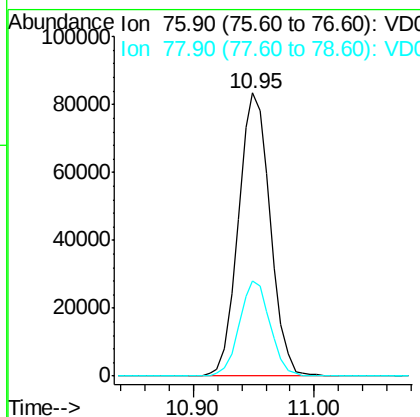
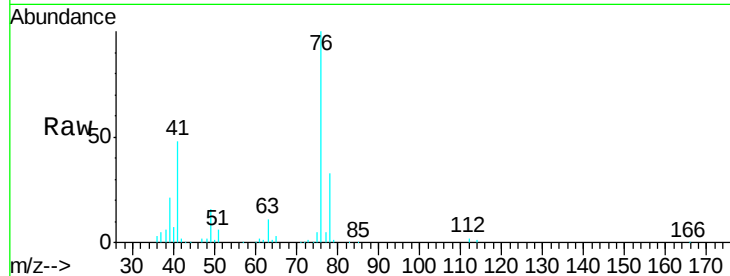
#57
 1,3-Dichloropropane
 Concen: 52.547 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.9	38.9

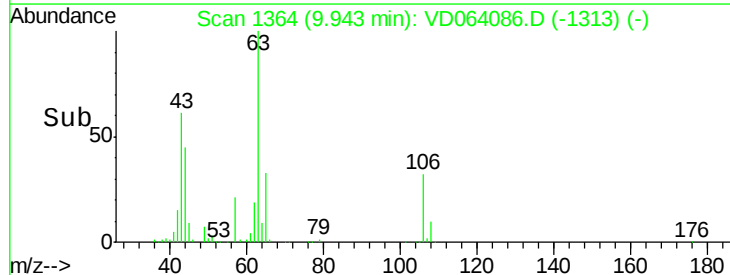
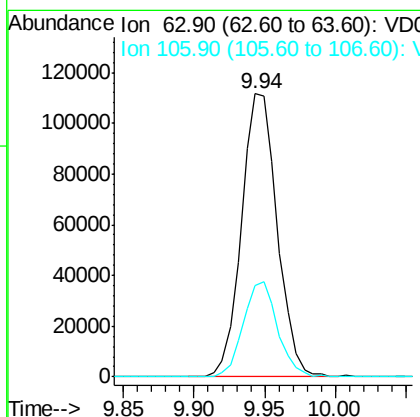
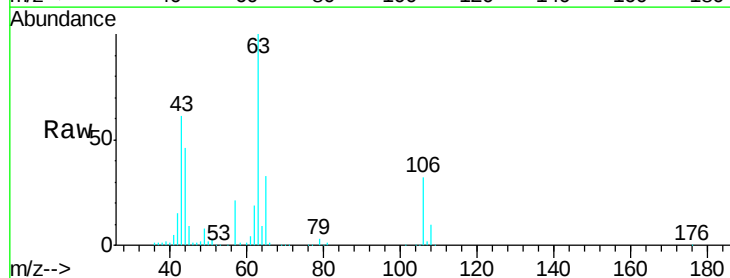
Manual Integrations
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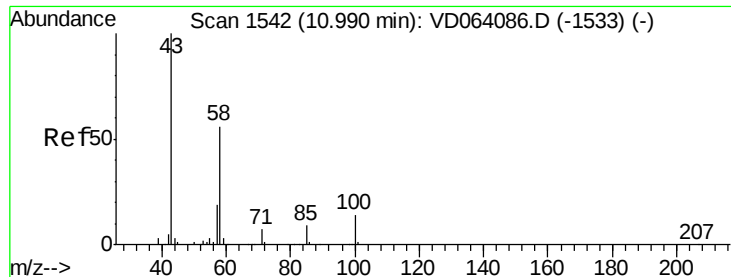
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 256.112 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.3	25.8	38.8





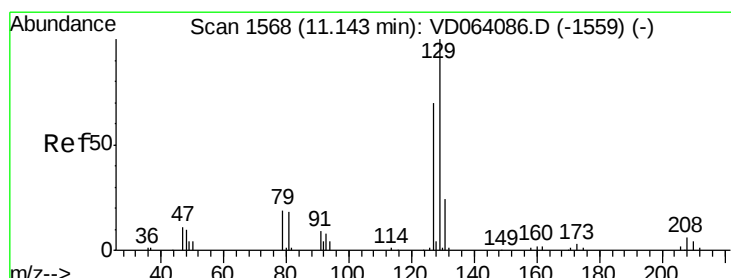
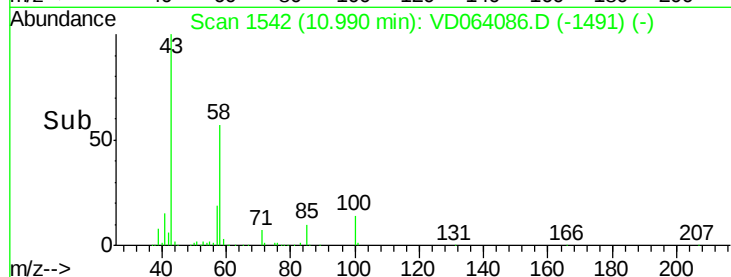
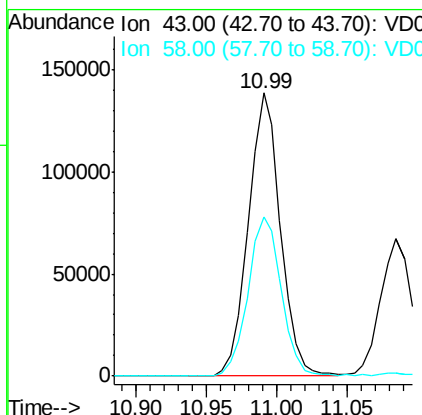
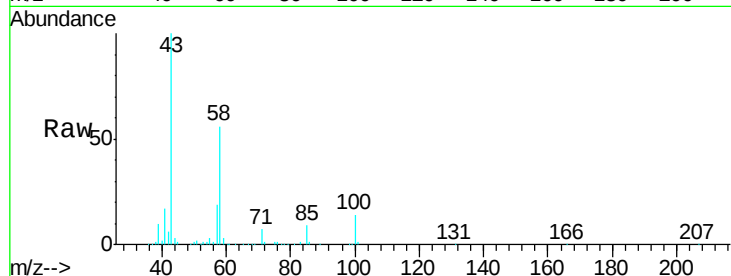
#59
2-Hexanone
Concen: 281.729 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 221772
Ion Ratio Lower Upper
43 100
58 58.4 29.2 87.6

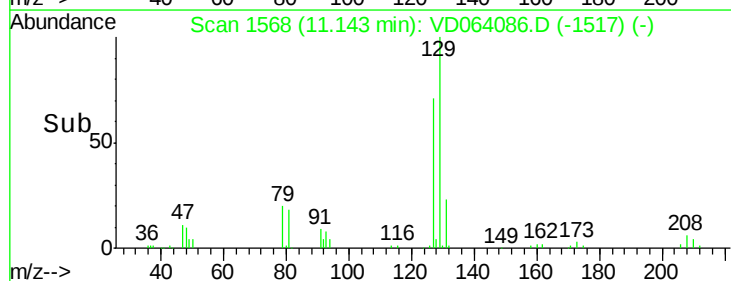
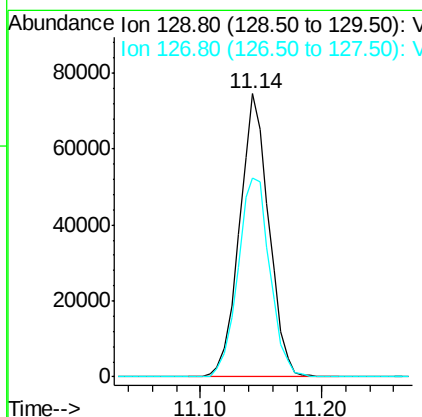
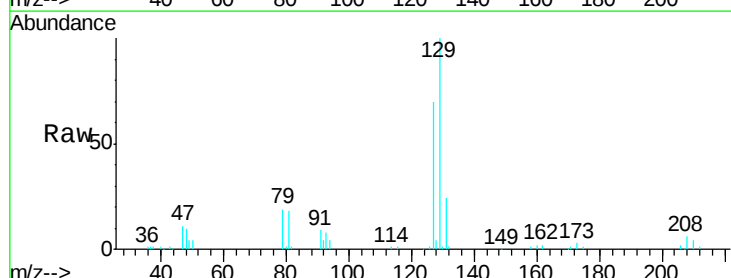
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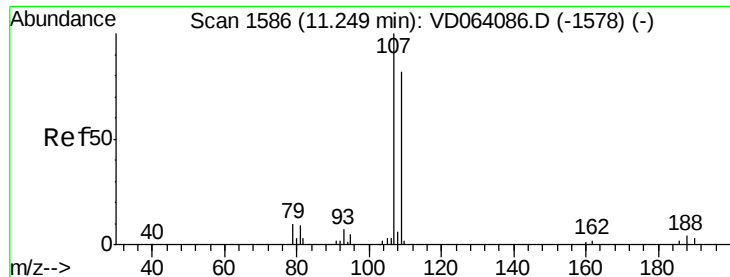
MMDadoda
10/30/2019 10:58:17 AM



#60
Dibromochloromethane
Concen: 52.870 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion: 129 Resp: 126306
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





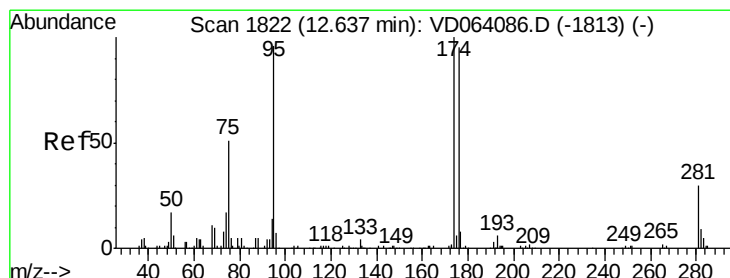
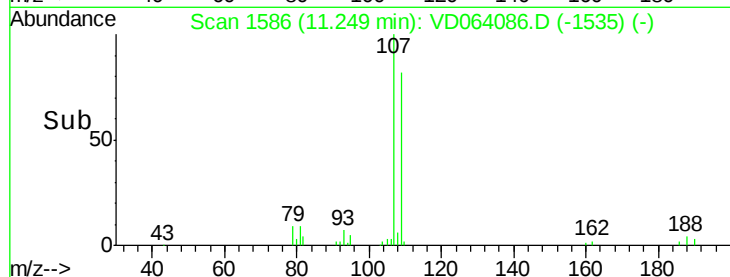
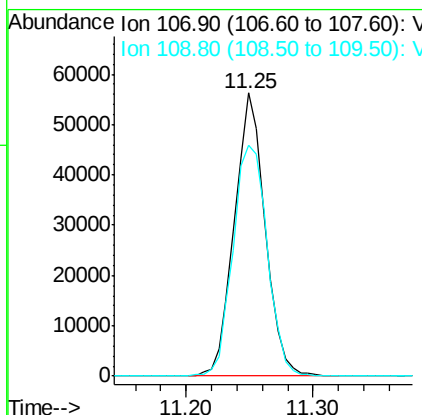
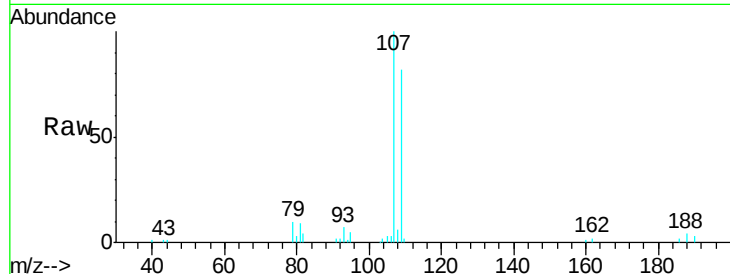
#61
 1,2-Dibromoethane
 Concen: 53.610 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 107 Resp: 94376
 Ion Ratio Lower Upper
 107 100
 109 91.2 73.0 109.4

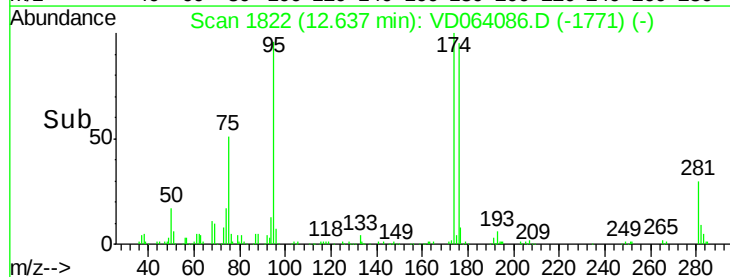
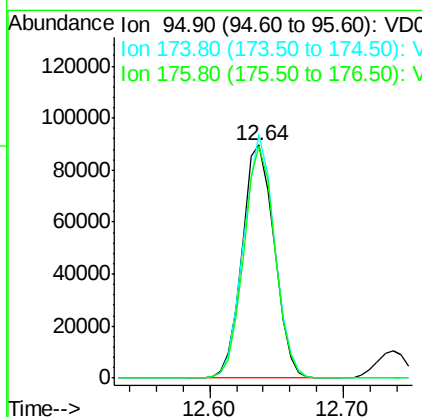
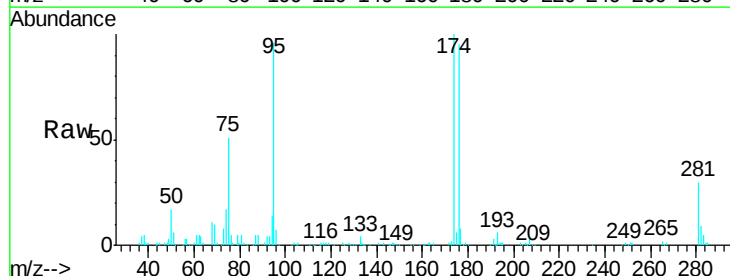
Manual Integrations
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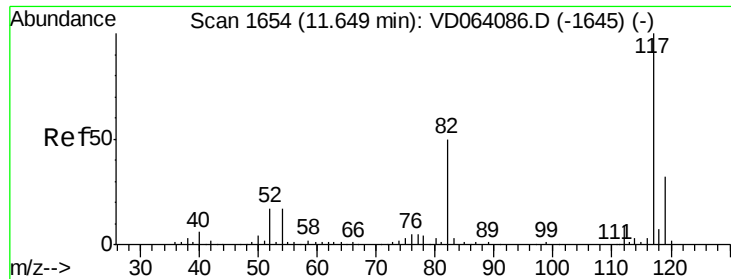
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 10/30/2019 10:58:17 AM



#62
 4-Bromofluorobenzene
 Concen: 52.396 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Tgt Ion: 95 Resp: 148770
 Ion Ratio Lower Upper
 95 100
 174 100.8 0.0 201.6
 176 96.3 0.0 192.6





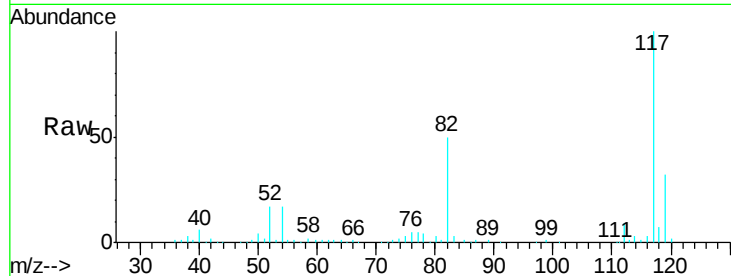
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

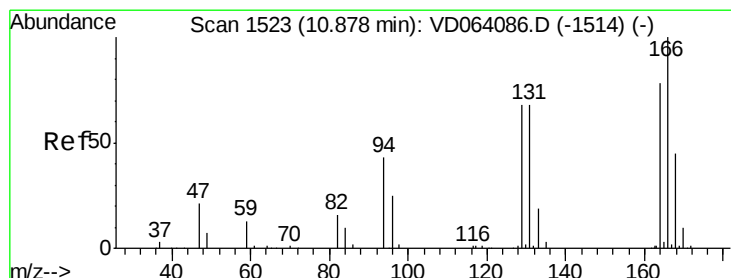
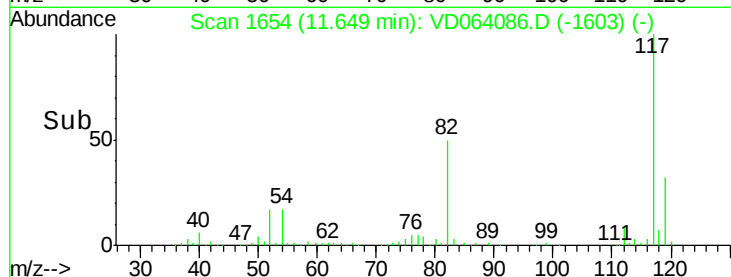
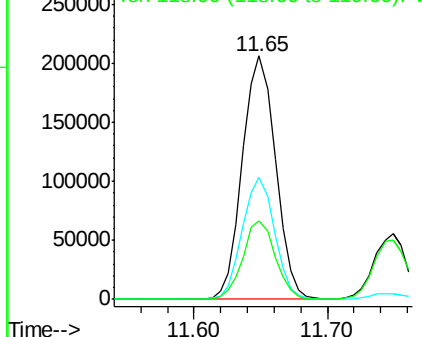
Tgt Ion:117 Resp: 355583
Ion Ratio Lower Upper
117 100
82 50.3 40.2 60.4
119 32.5 26.0 39.0

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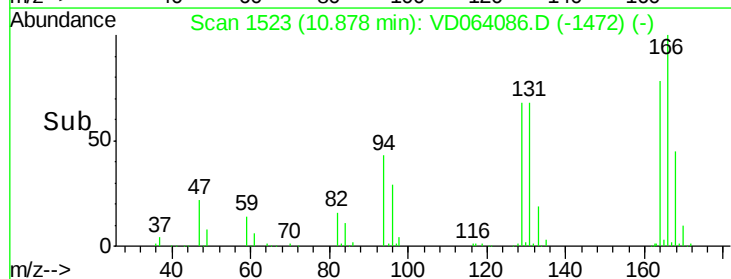
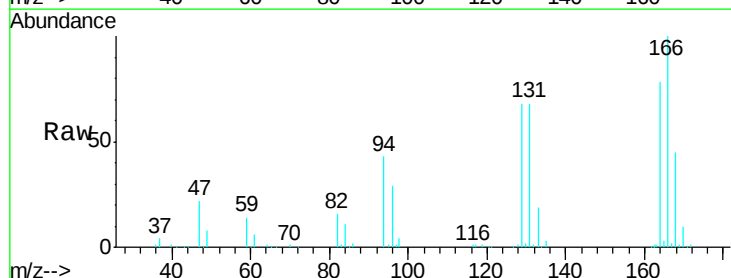
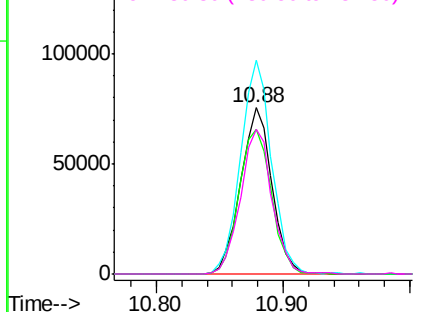
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

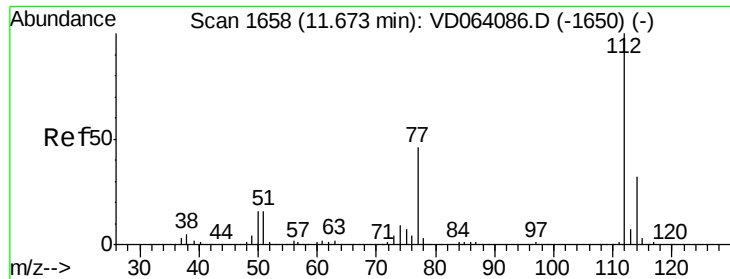


#64
Tetrachloroethene
Concen: 50.674 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion:164 Resp: 129449
Ion Ratio Lower Upper
164 100
166 128.4 102.7 154.1
129 87.2 69.8 104.6
131 86.7 69.4 104.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





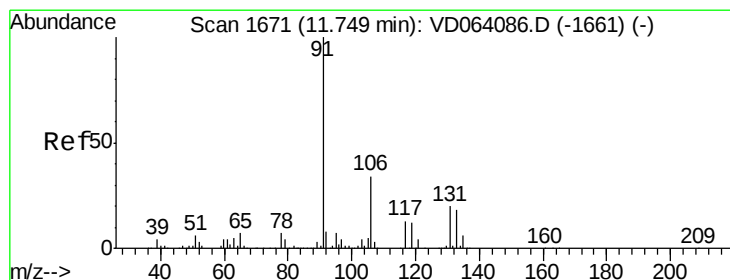
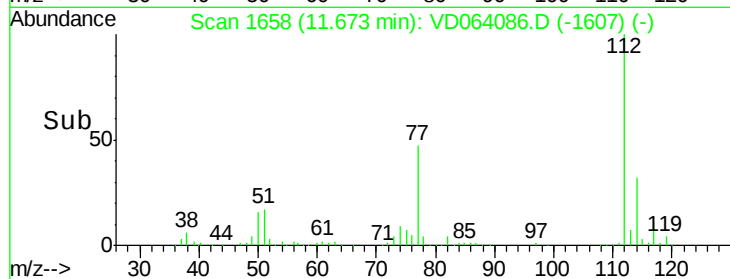
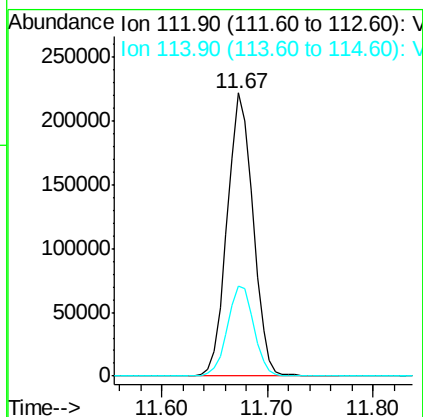
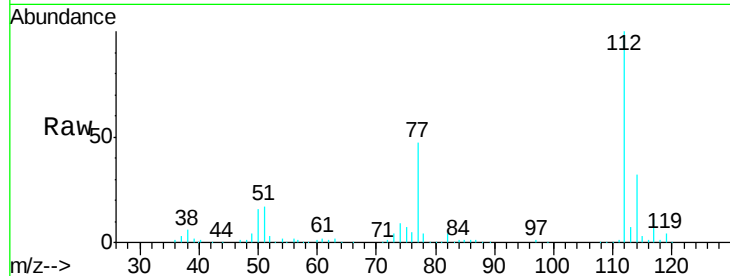
#65
Chlorobenzene
Concen: 51.102 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 375457
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0

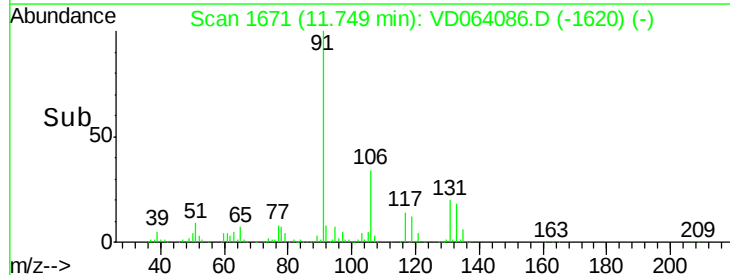
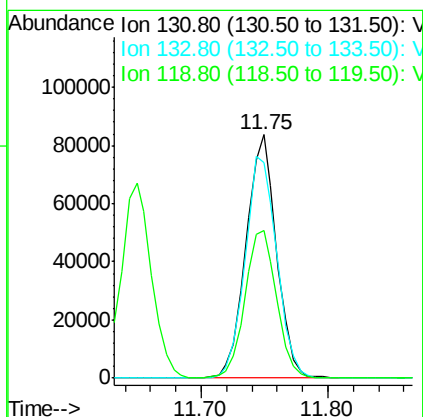
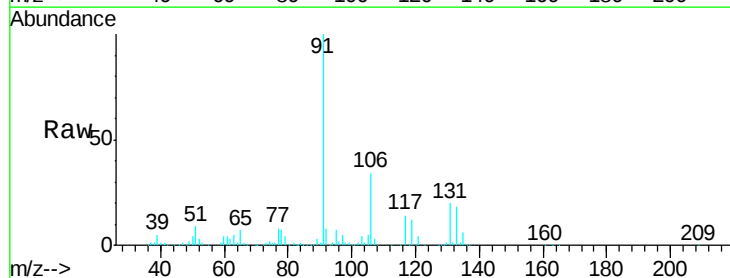
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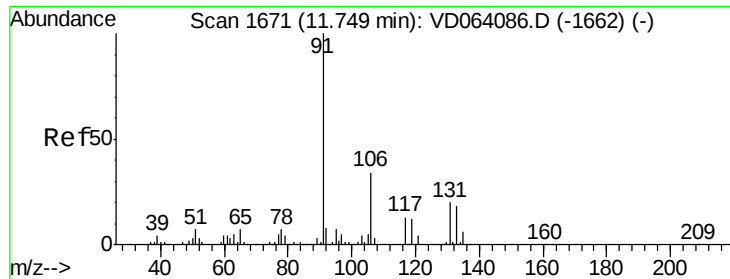
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.813 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion:131 Resp: 139695
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 62.9 31.4 94.3





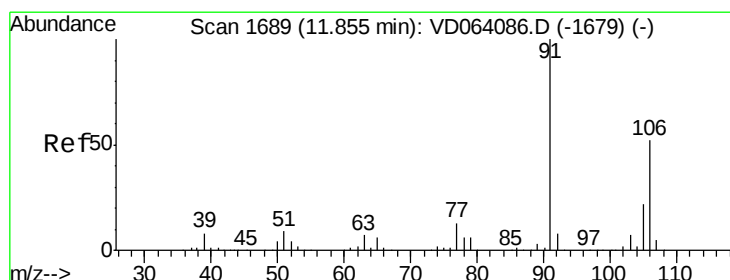
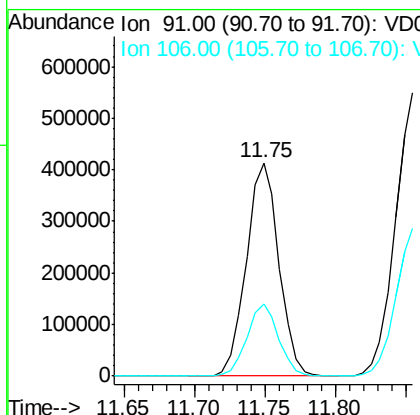
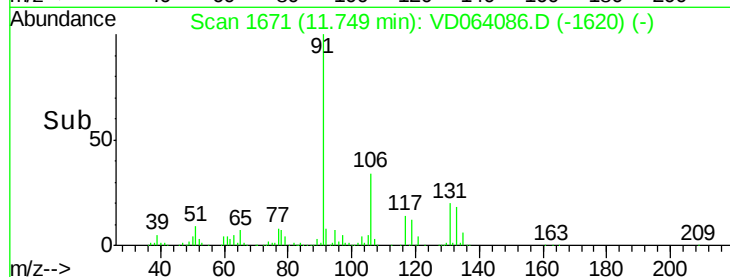
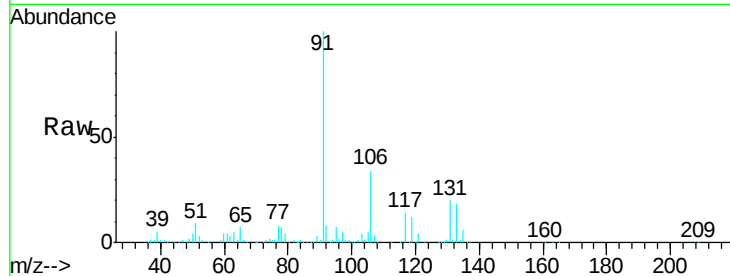
#67
Ethyl Benzene
Concen: 51.164 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 668613
Ion Ratio Lower Upper
91 100
106 33.8 27.0 40.6

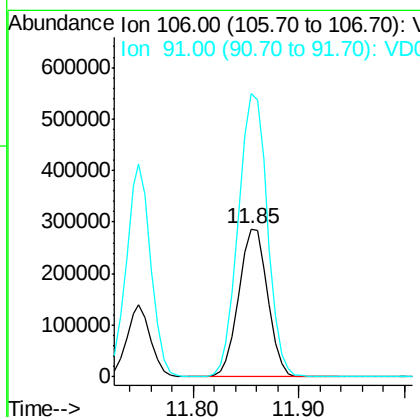
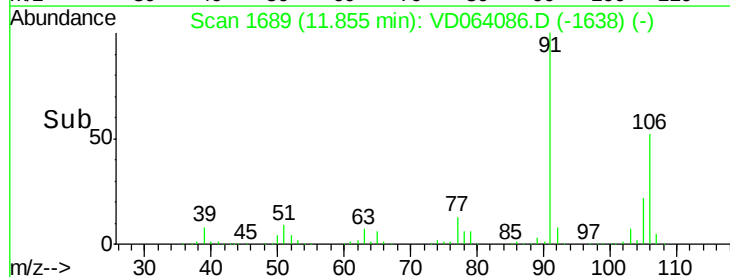
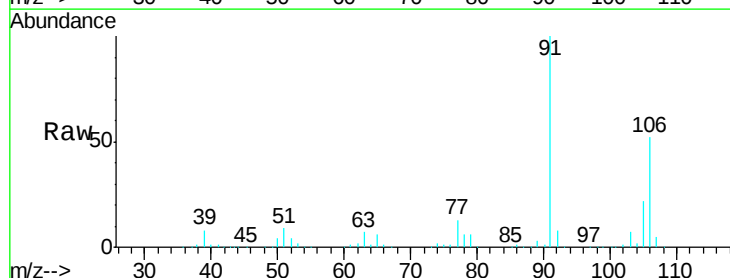
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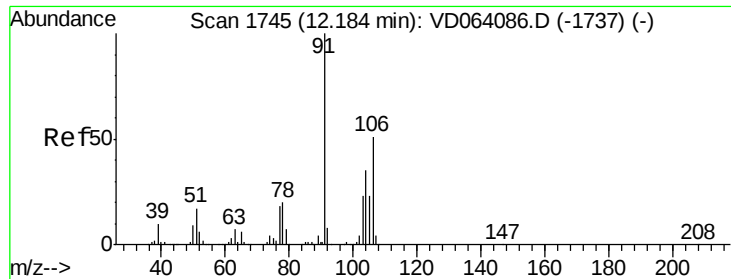
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#68
m/p-Xylenes
Concen: 103.683 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion: 106 Resp: 544995
Ion Ratio Lower Upper
106 100
91 192.5 154.0 231.0





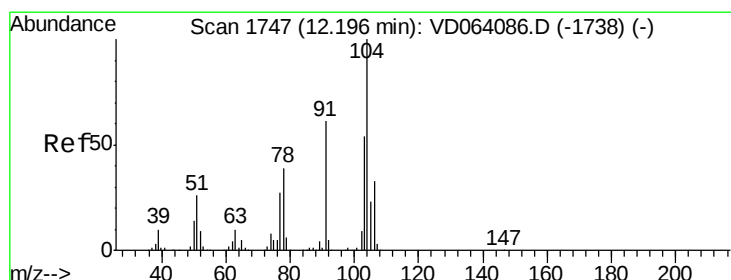
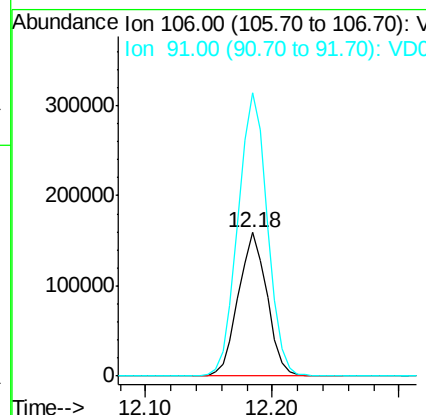
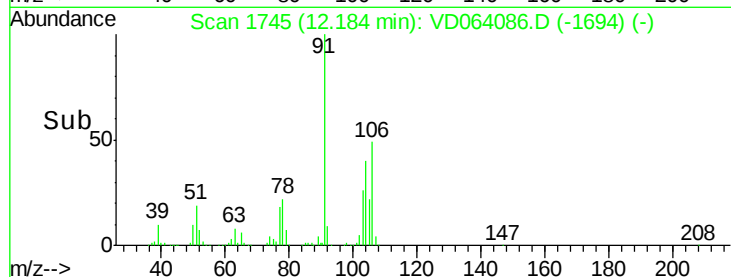
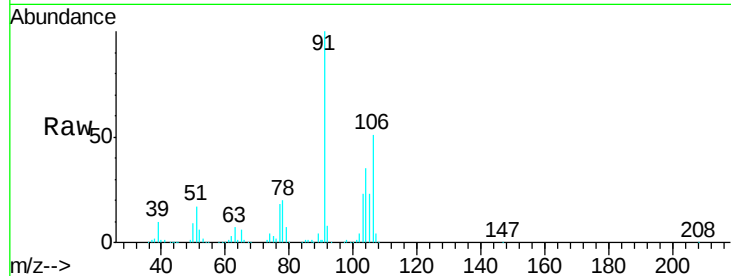
#69
o-Xylene
Concen: 51.979 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 249348
Ion Ratio Lower Upper
106 100
91 201.3 100.6 301.9

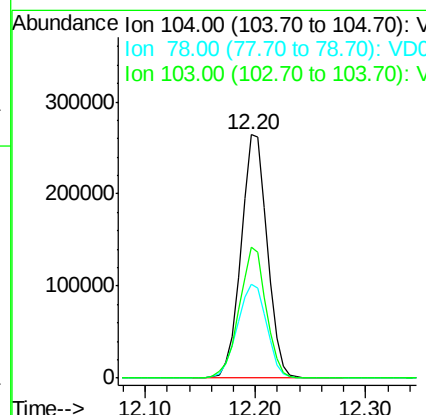
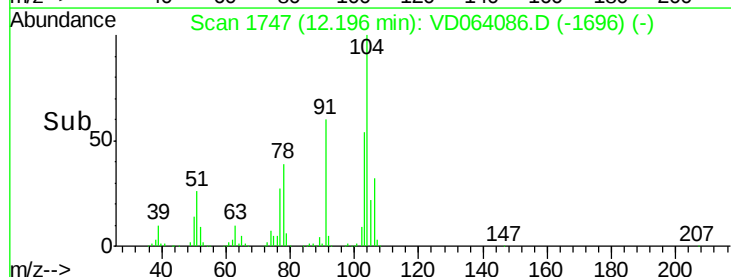
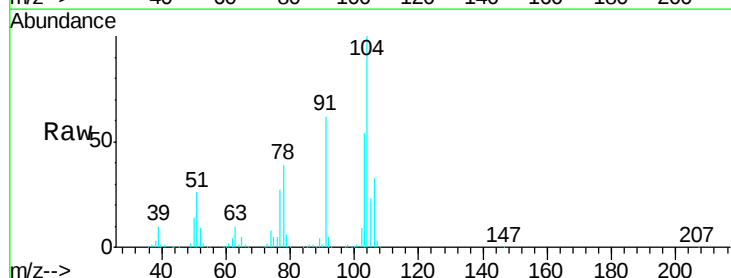
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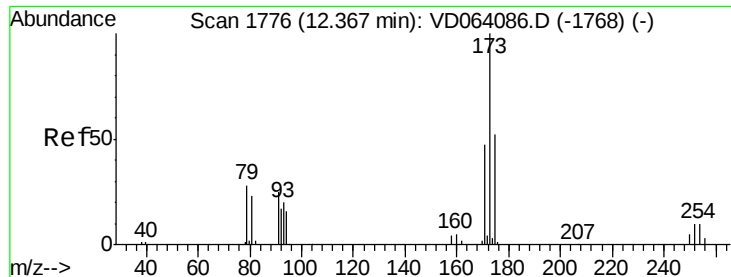
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#70
Styrene
Concen: 53.373 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion:104 Resp: 441578
Ion Ratio Lower Upper
104 100
78 43.2 34.6 51.8
103 55.2 44.2 66.2





#71

Bromoform

Concen: 51.033 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion:173 Resp: 74929

Ion Ratio Lower Upper

173 100

175 48.6 24.3 72.9

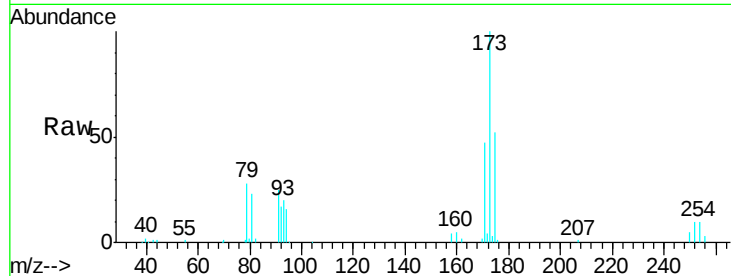
254 0.0 0.0 0.0

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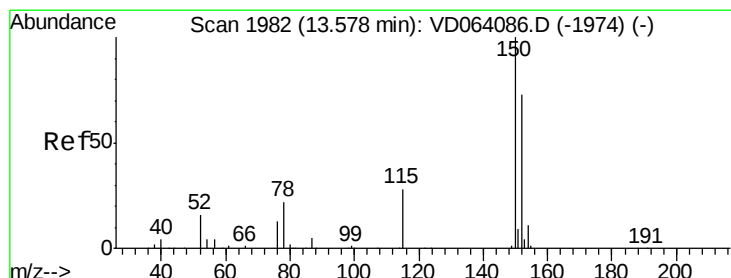
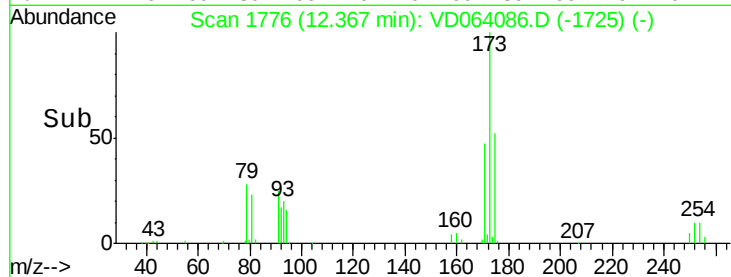
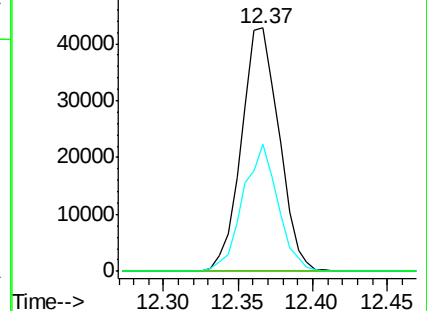
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VD064086.D

Acq: 29 Oct 2019 13:37

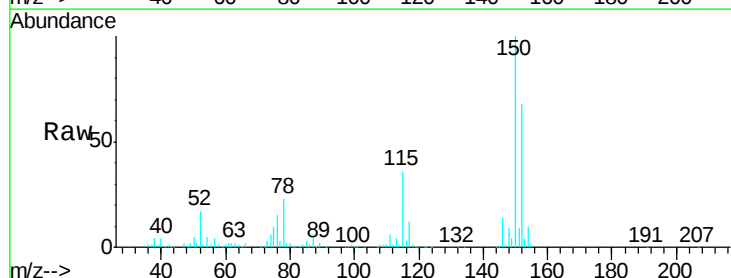
Tgt Ion:152 Resp: 203882

Ion Ratio Lower Upper

152 100

115 52.4 26.2 78.6

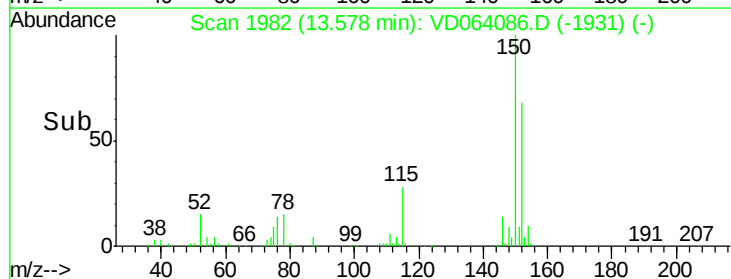
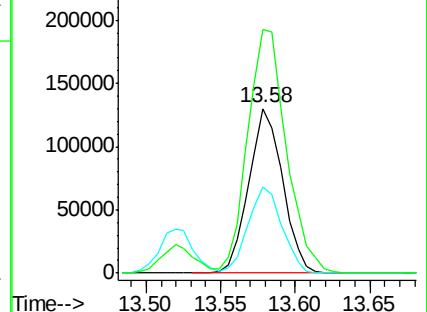
150 169.4 0.0 338.8

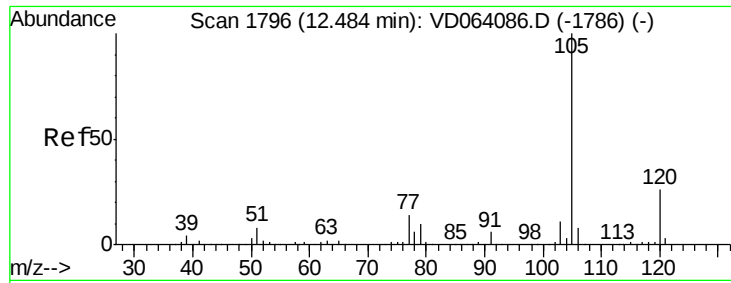


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.638 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 105 Resp: 703263

Ion Ratio Lower Upper

105 100

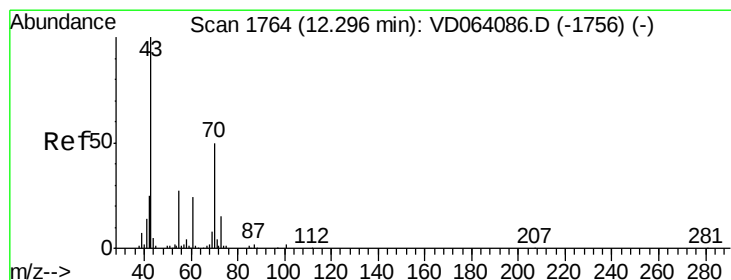
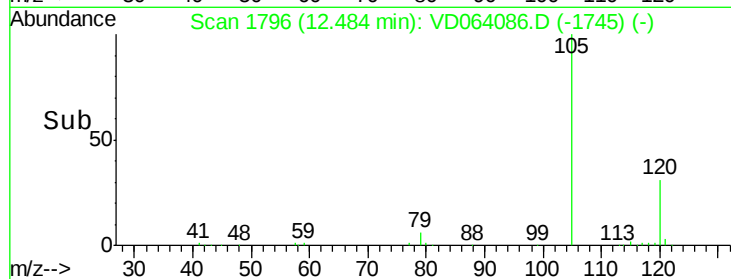
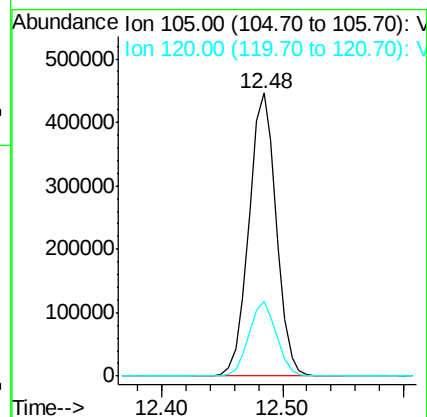
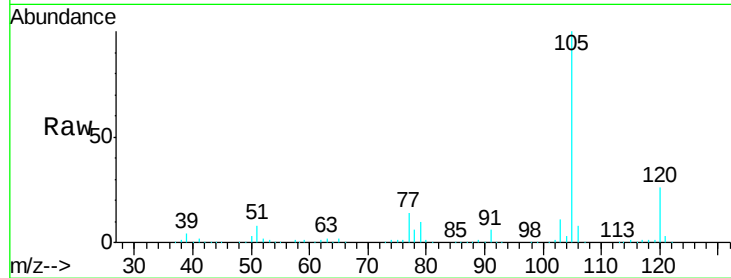
120 26.6 13.3 39.9

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#74

N-ethyl acetate

Concen: 51.238 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Tgt Ion: 43 Resp: 120598

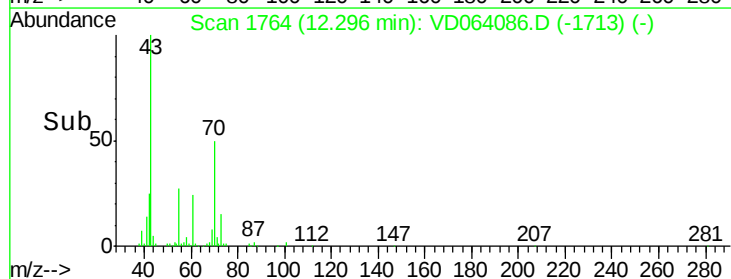
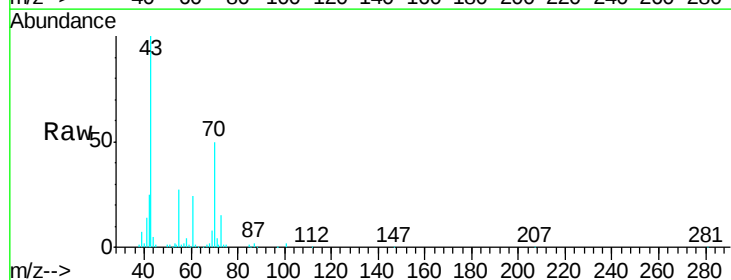
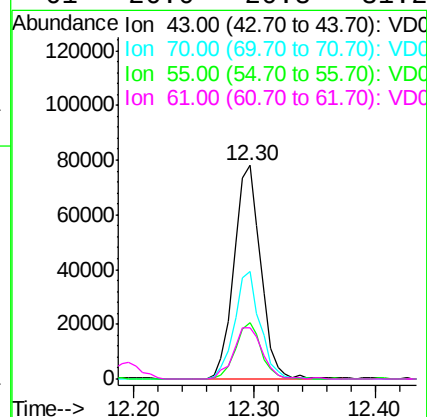
Ion Ratio Lower Upper

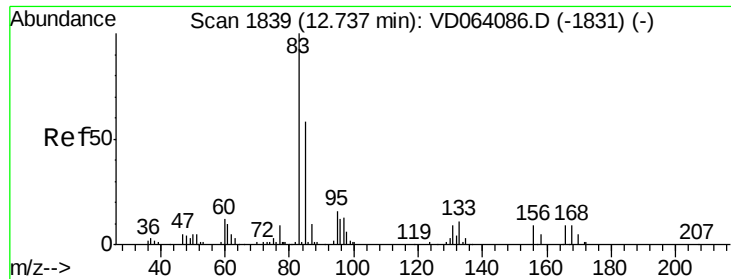
43 100

70 48.3 38.6 58.0

55 25.5 20.4 30.6

61 26.0 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.135 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 107492

Ion Ratio Lower Upper

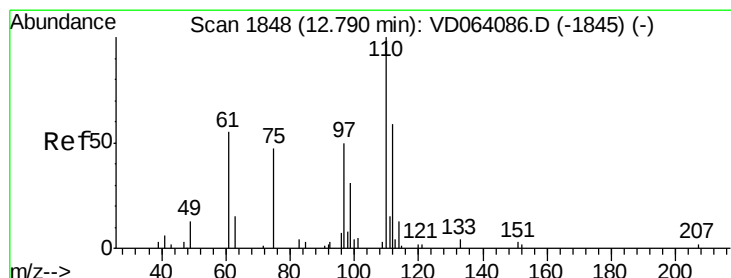
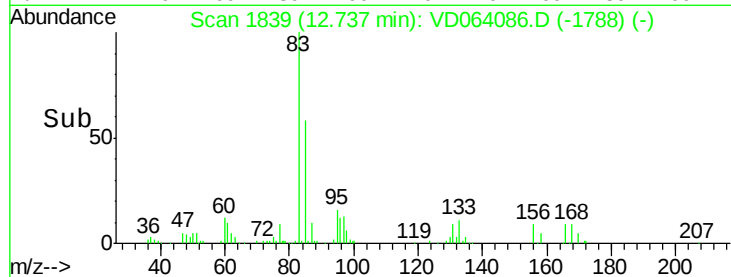
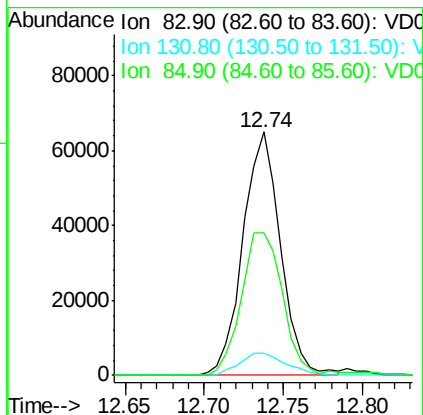
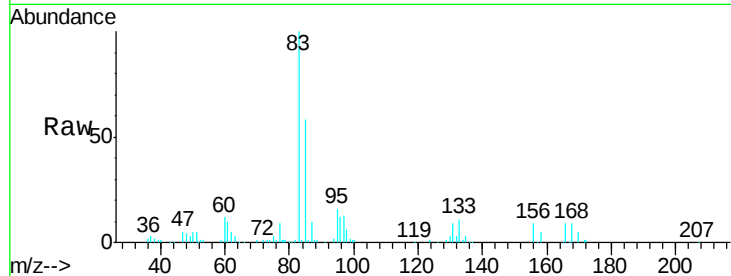
83 100

131 11.3 5.7 17.0

85 64.3 32.1 96.5

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#76

1,2,3-Trichloropropane

Concen: 29.210 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064086.D

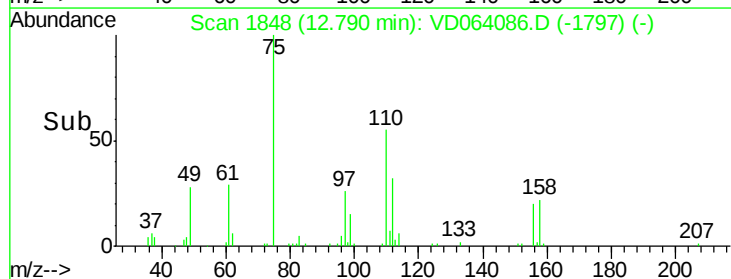
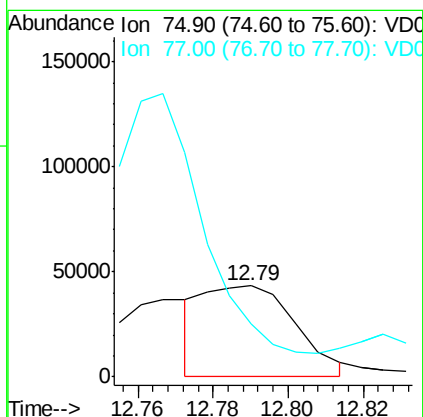
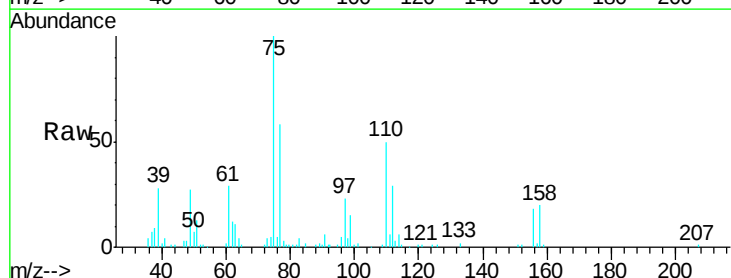
Acq: 29 Oct 2019 13:37

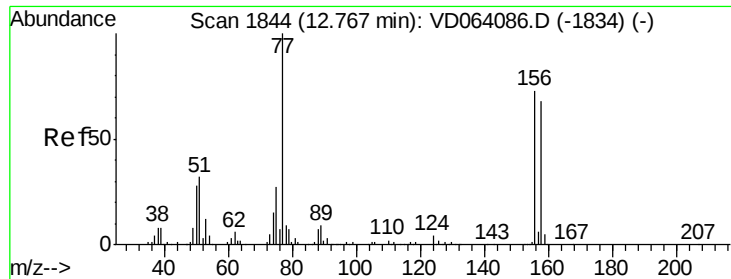
Tgt Ion: 75 Resp: 73889

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.976 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 156 Resp: 167534

Ion Ratio Lower Upper

156 100

77 152.0 76.0 228.0

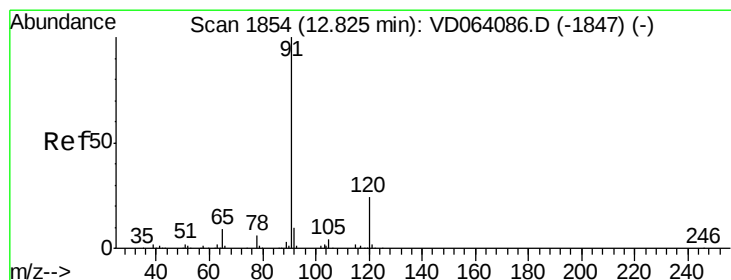
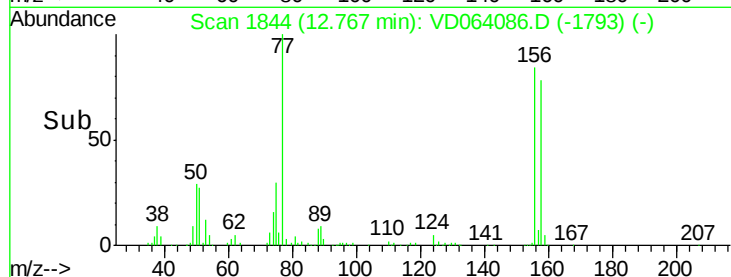
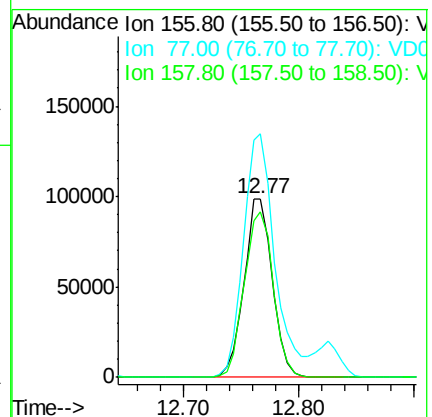
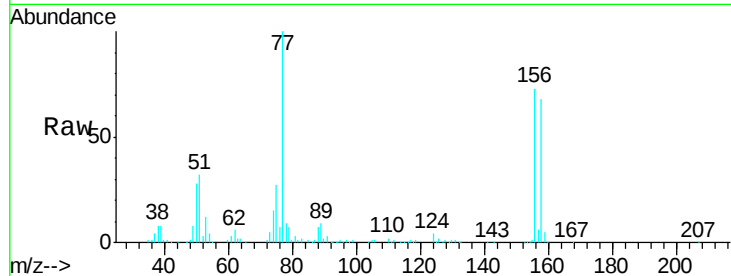
158 95.2 47.6 142.8

Manual Integrations

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#78

n-propylbenzene

Concen: 49.827 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064086.D

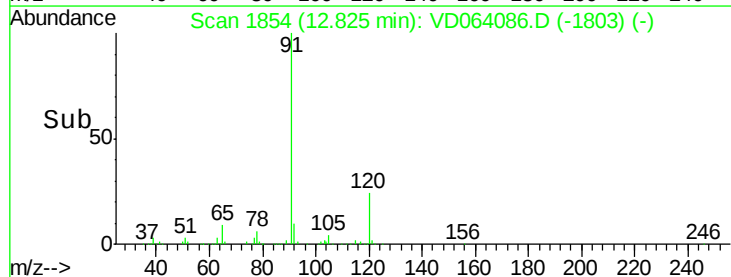
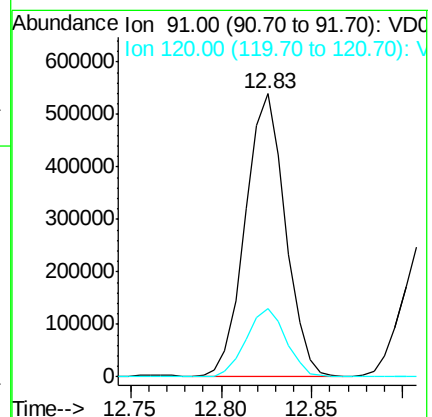
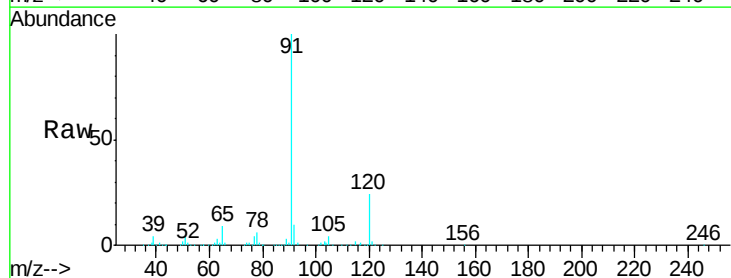
Acq: 29 Oct 2019 13:37

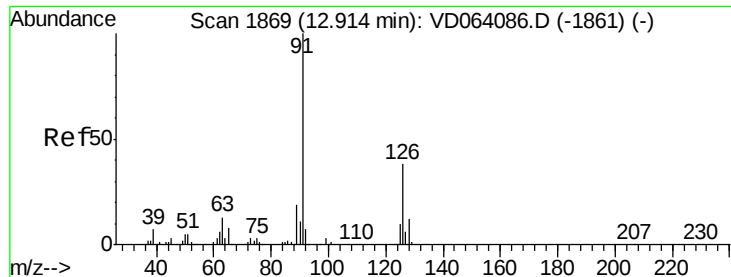
Tgt Ion: 91 Resp: 827283

Ion Ratio Lower Upper

91 100

120 24.2 12.1 36.3





#79

2-Chlorotoluene

Concen: 49.157 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064086.D

Acq: 29 Oct 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 437499

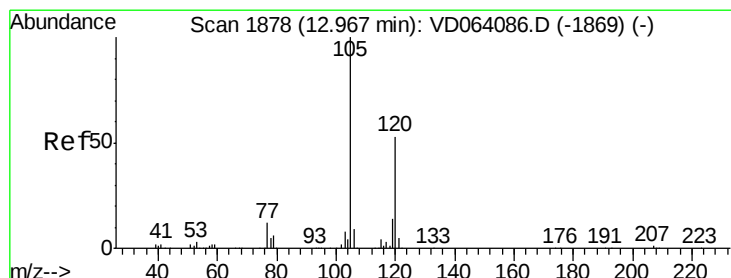
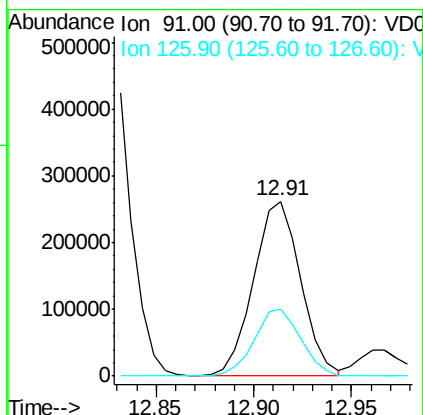
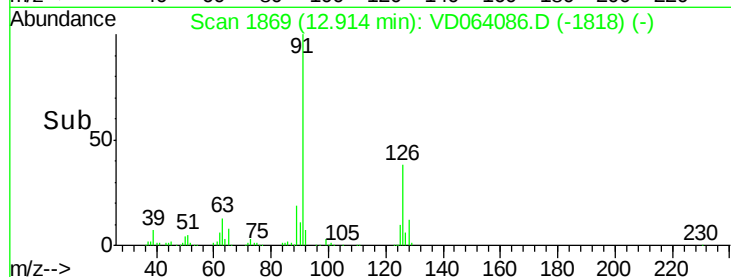
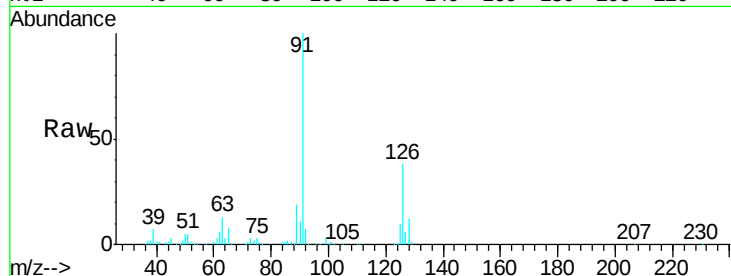
Ion Ratio Lower Upper

91 100

126 38.1 19.1 57.1

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 50.394 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064086.D

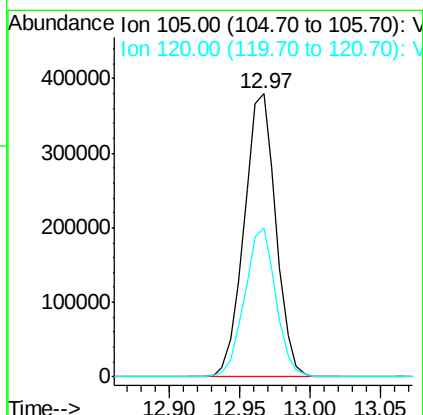
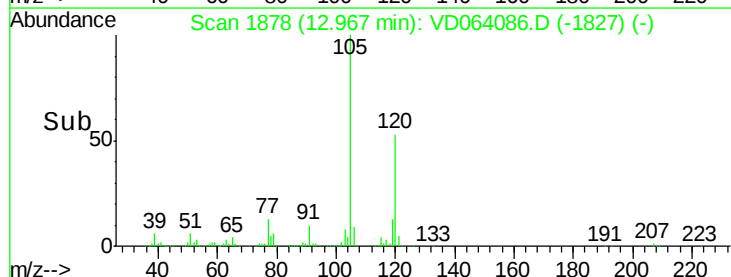
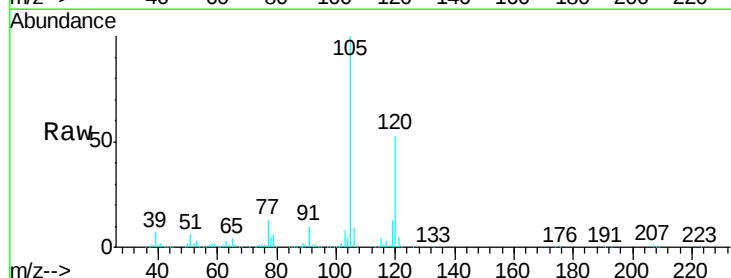
Acq: 29 Oct 2019 13:37

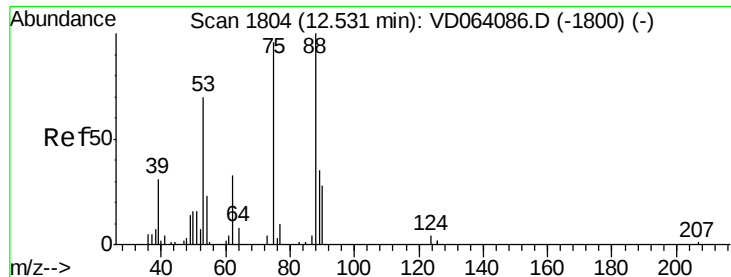
Tgt Ion: 105 Resp: 597541

Ion Ratio Lower Upper

105 100

120 51.6 25.8 77.4





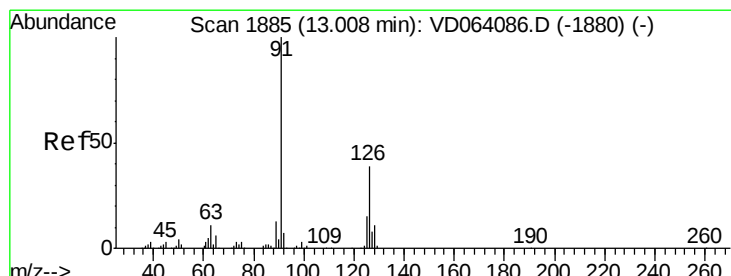
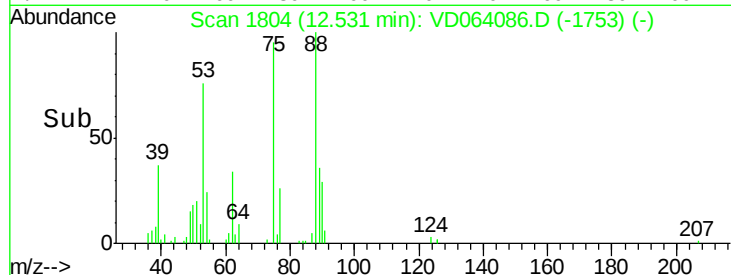
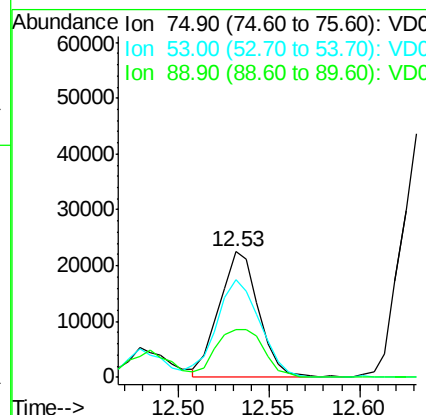
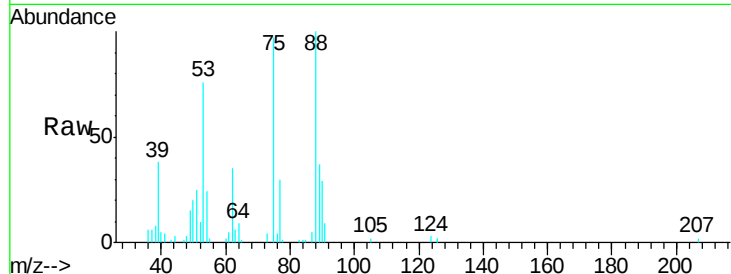
#81
trans-1,4-Dichloro-2-butene
Concen: 50.983 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	85.8	68.6	103.0
89	46.1	36.9	55.3

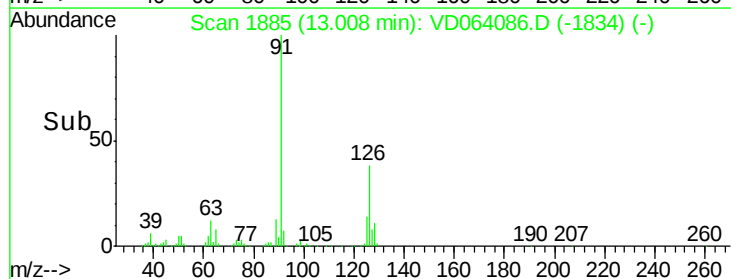
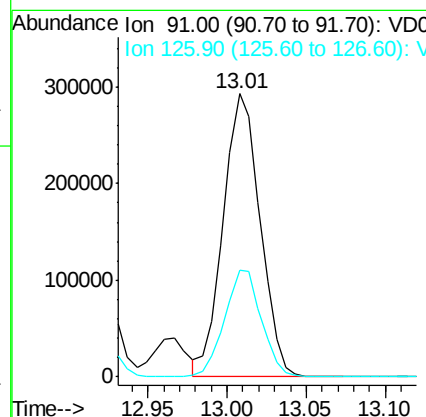
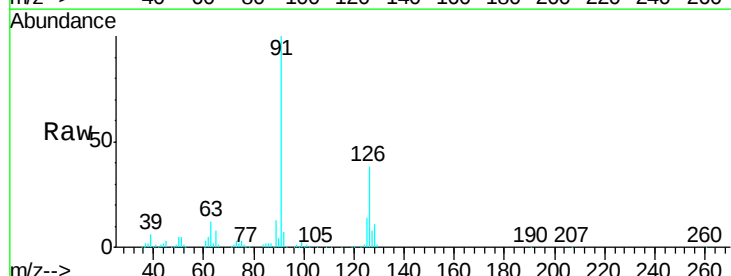
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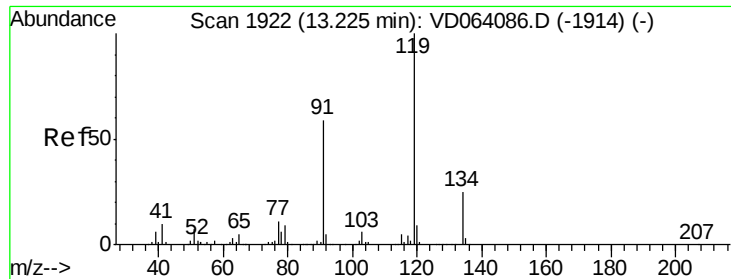
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.794 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.7	18.9	56.5





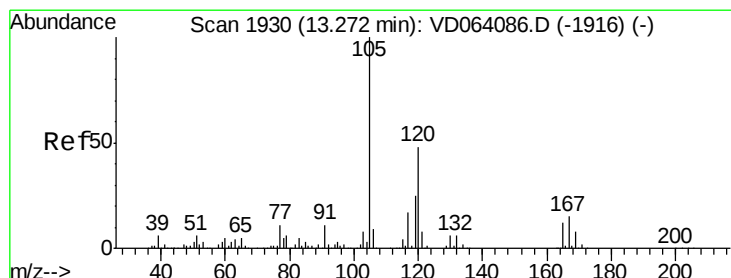
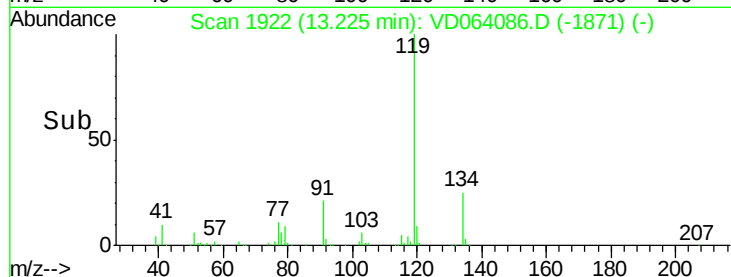
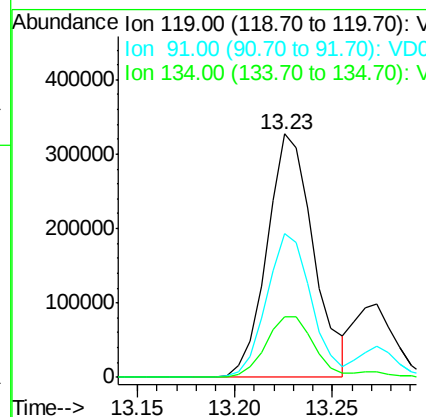
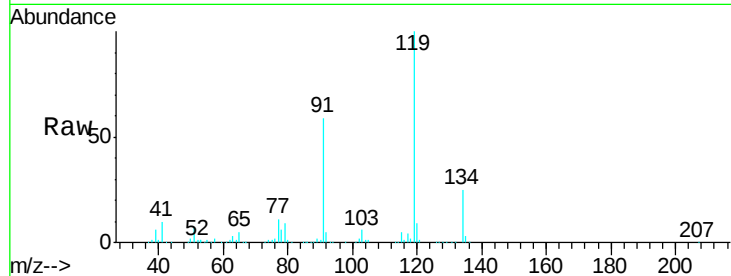
#83
 tert-Butylbenzene
 Concen: 50.677 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	539707		
91	56.7	28.3	85.0	
134	25.7	12.9	38.6	

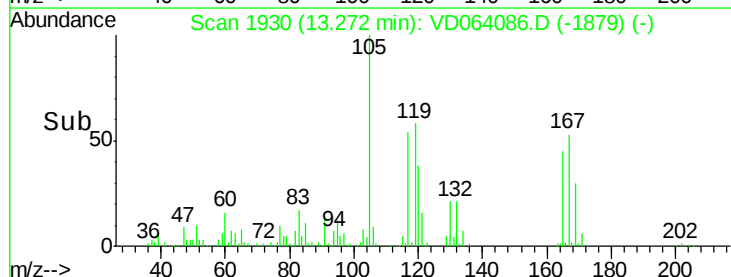
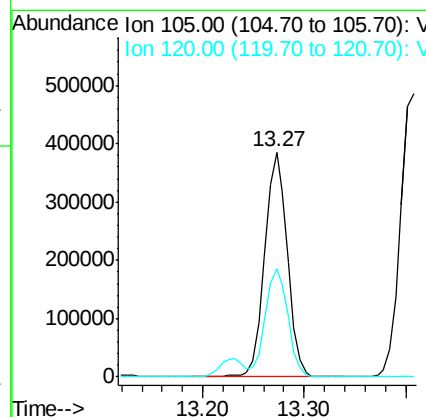
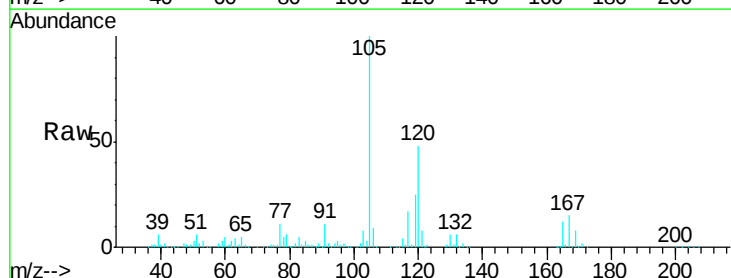
Manual Integrations
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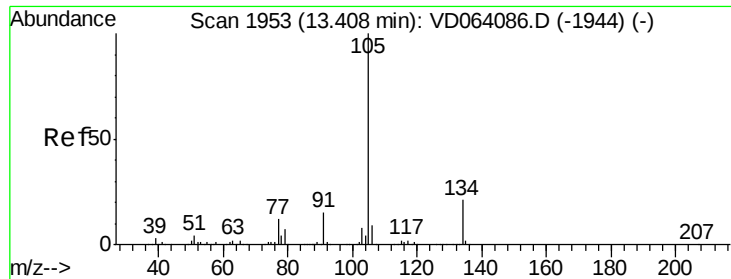
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.383 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	600129		
120	48.3	24.1	72.4	





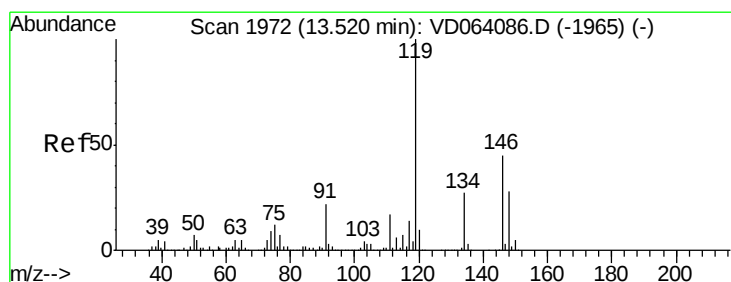
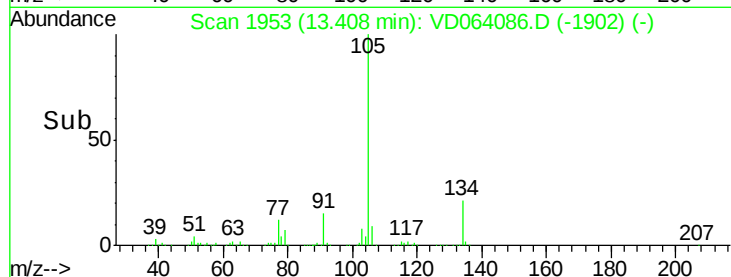
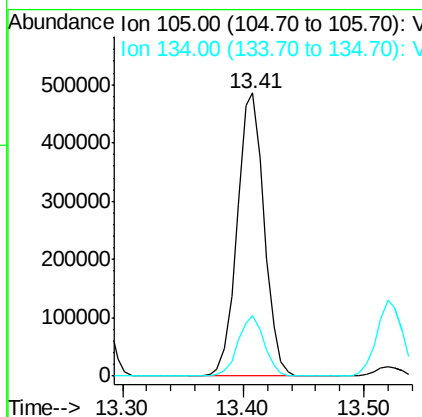
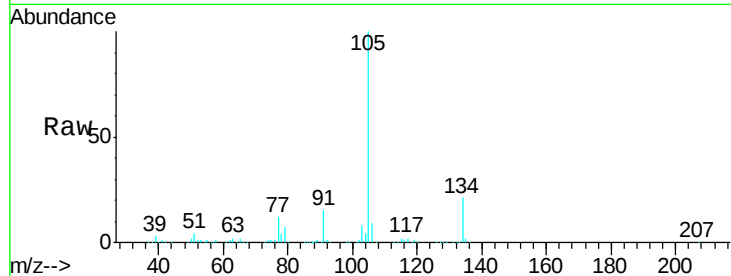
#85
 sec-Butylbenzene
 Concen: 51.605 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion:105 Resp: 754733
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.2

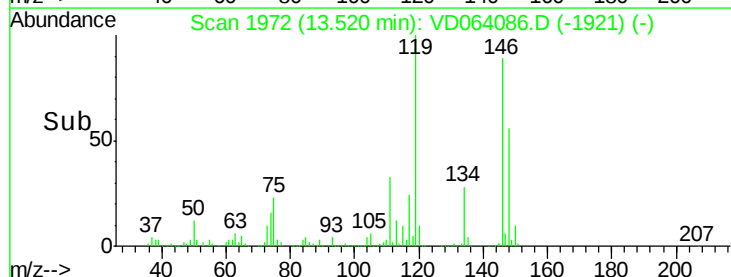
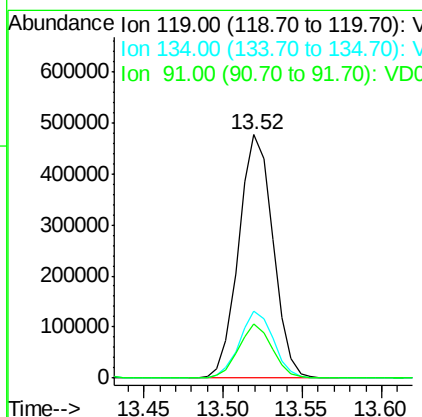
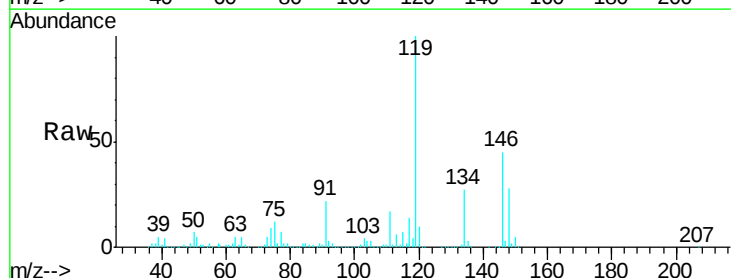
Manual Integrations
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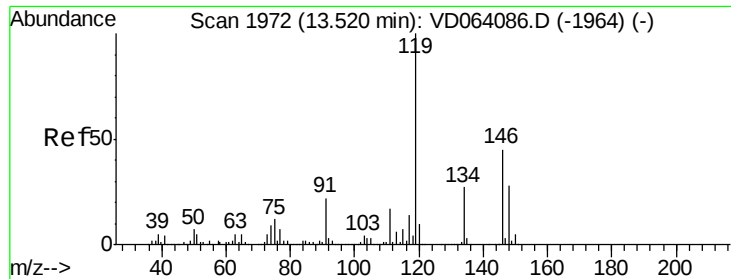
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#86
 p-Isopropyltoluene
 Concen: 52.093 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Tgt Ion:119 Resp: 715840
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.6 40.8
 91 21.7 10.9 32.6





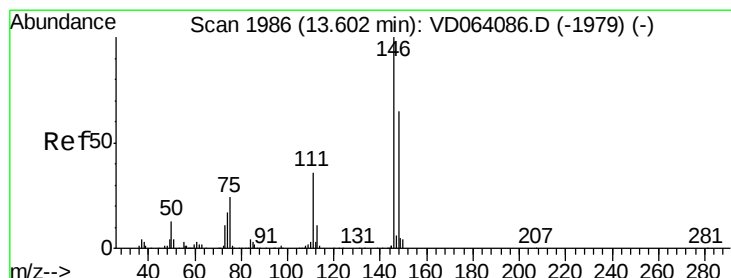
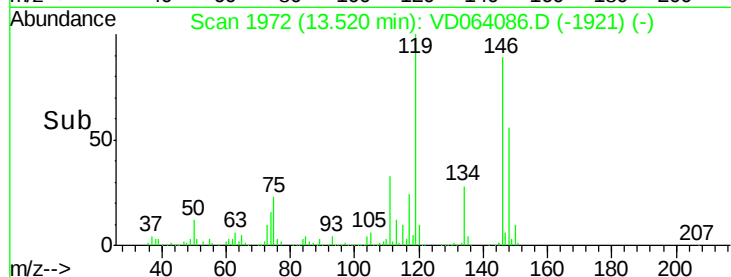
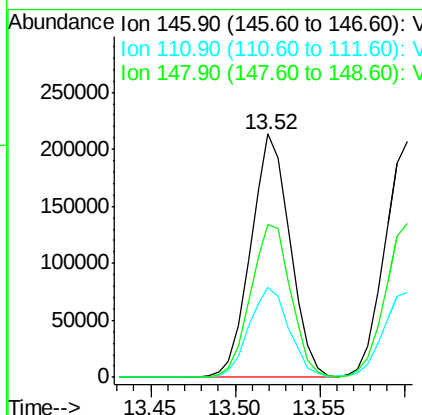
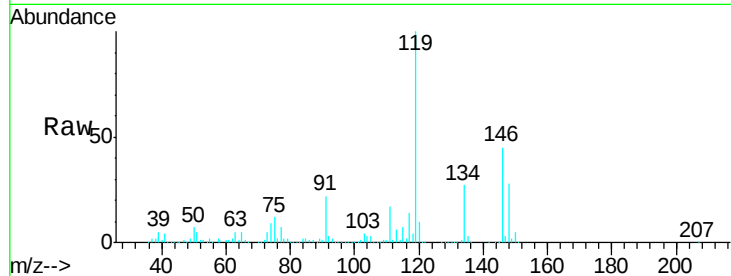
#87
 1,3-Dichlorobenzene
 Concen: 50.285 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	64.2	32.1	96.3

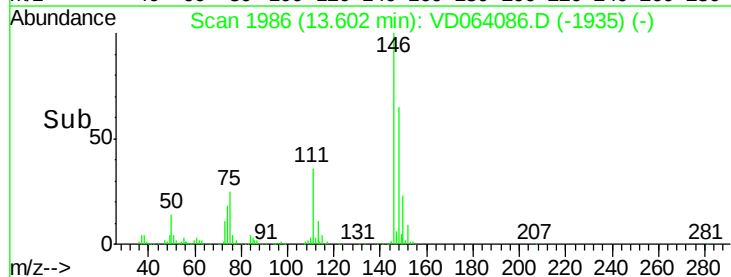
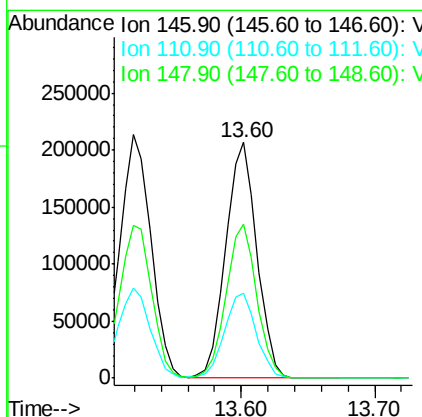
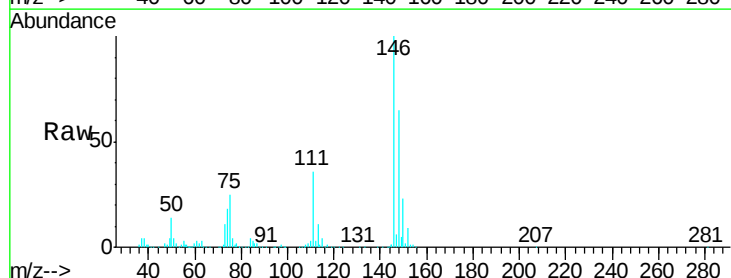
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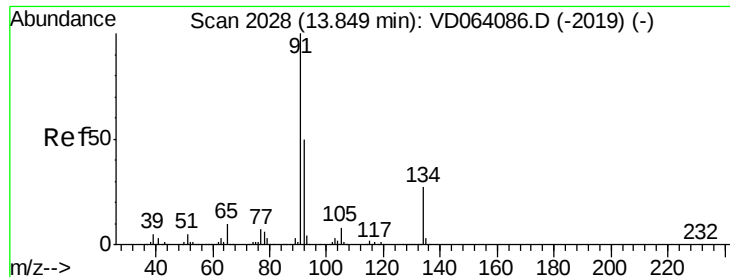
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#88
 1,4-Dichlorobenzene
 Concen: 49.692 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.4
148	64.7	32.4	97.0





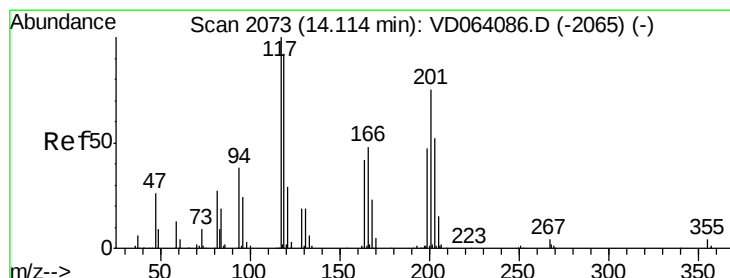
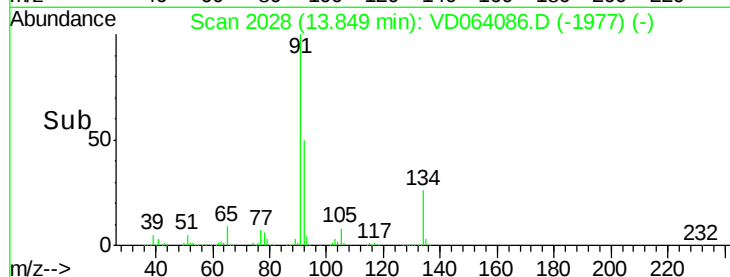
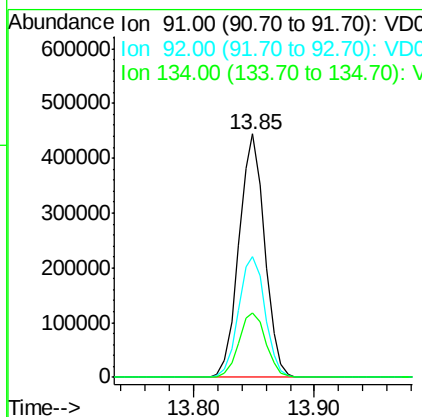
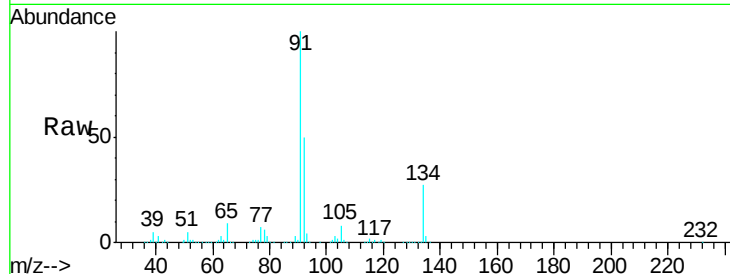
#89
n-Butylbenzene
Concen: 52.140 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	660856		
92	51.1	25.6	76.6	
134	28.0	14.0	42.0	

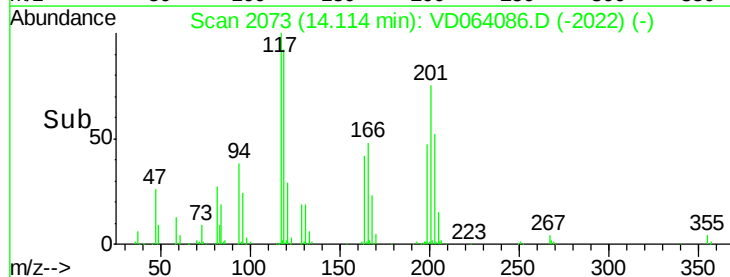
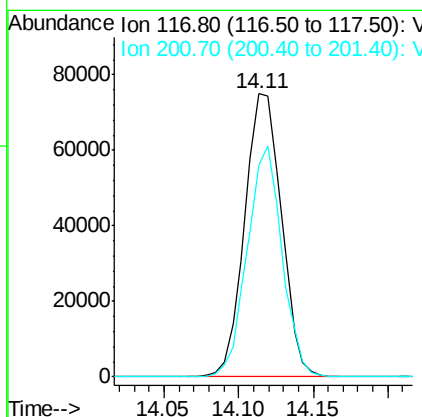
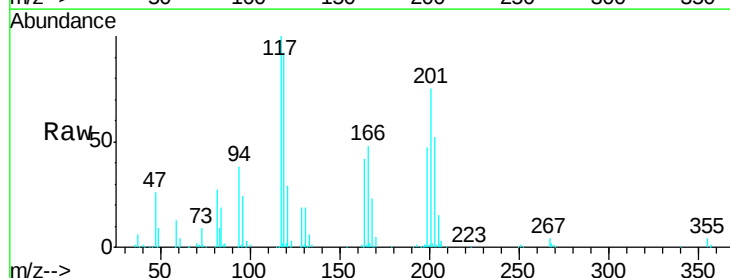
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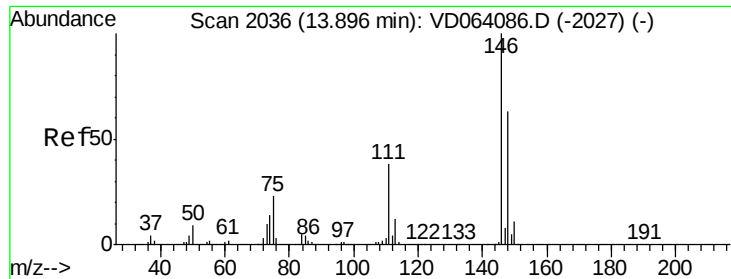
MMDadoda
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#90
Hexachloroethane
Concen: 49.677 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	127806		
201	76.8	38.4	115.2	





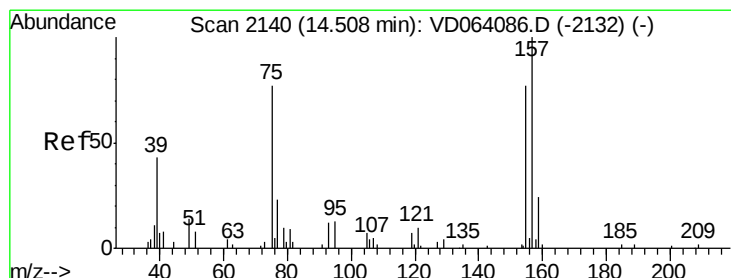
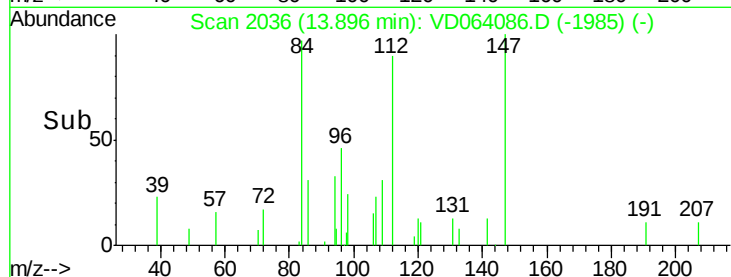
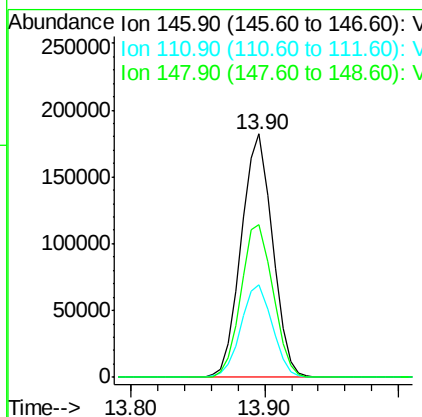
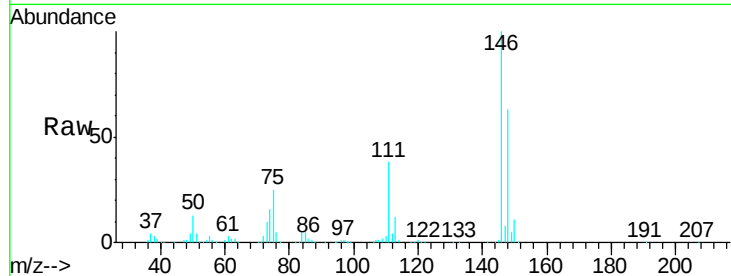
#91
 1,2-Dichlorobenzene
 Concen: 50.014 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	295056		
111	38.1	19.1	57.1	
148	64.3	32.1	96.5	

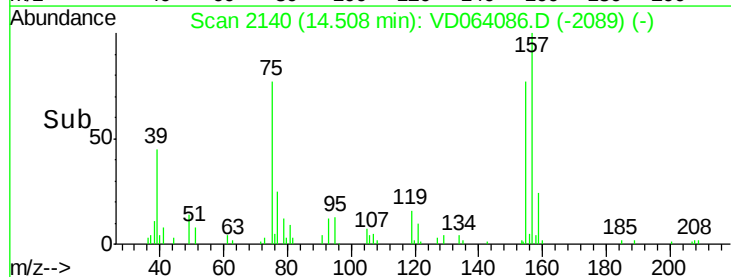
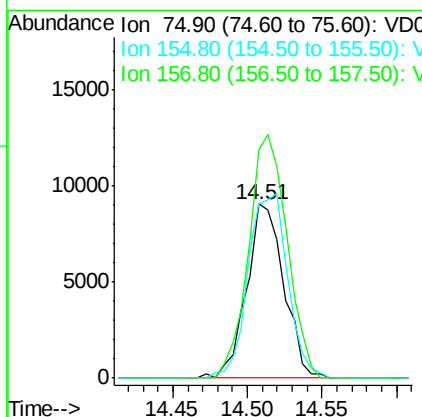
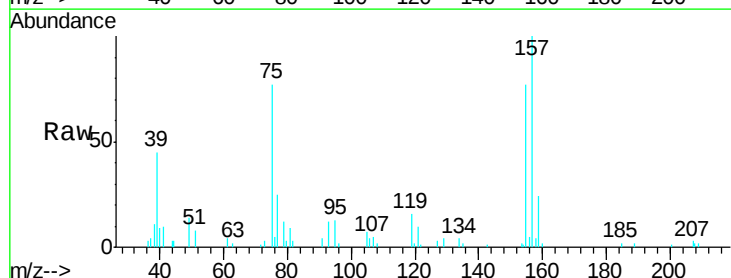
Manual Integrations
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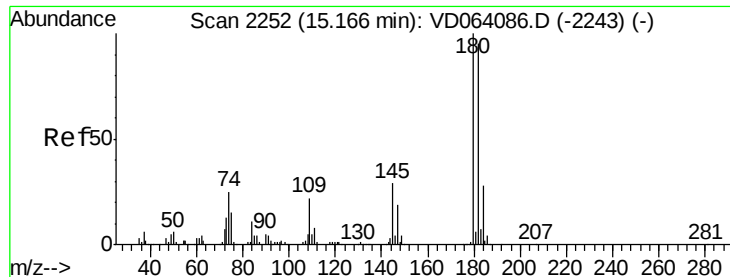
MMDadoda
 10/30/2019 10:58:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.801 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15590		
155	112.6	56.3	168.9	
157	144.4	72.2	216.6	





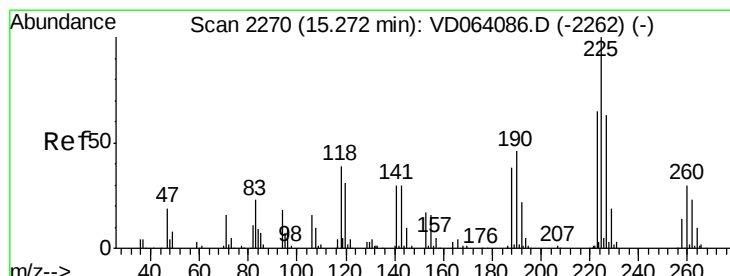
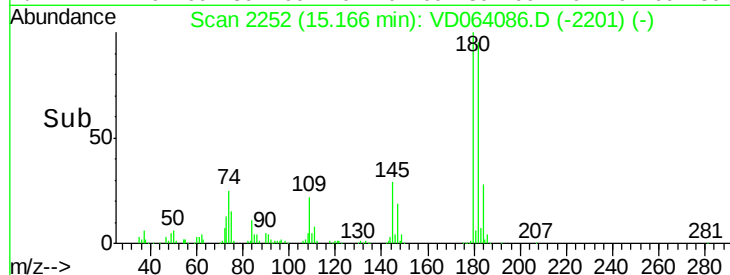
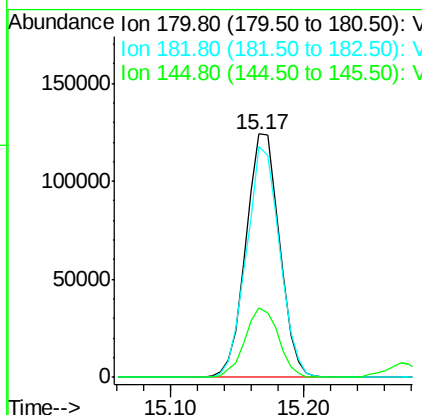
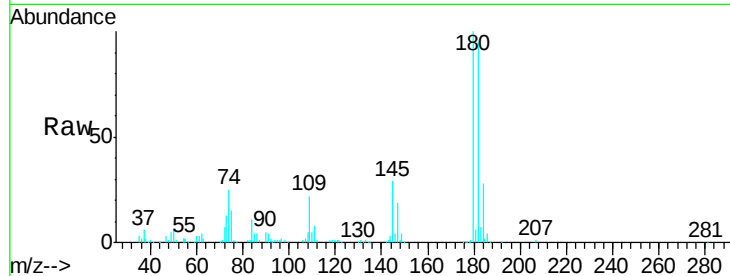
#93
 1,2,4-Trichlorobenzene
 Concen: 50.860 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	215681		
182	93.8	46.9	140.7	
145	28.4	14.2	42.6	

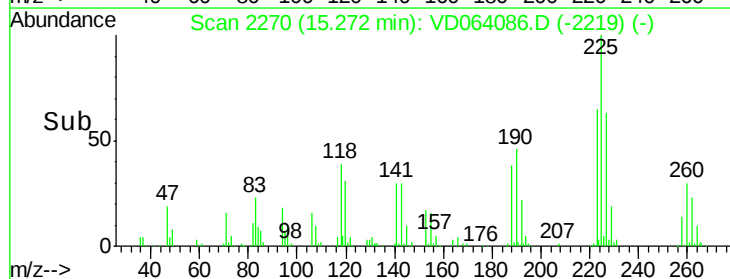
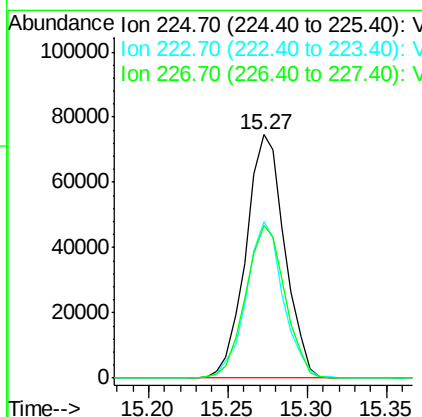
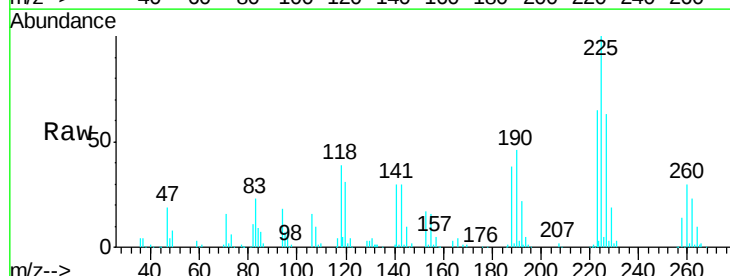
Manual Integrations
 APPROVED

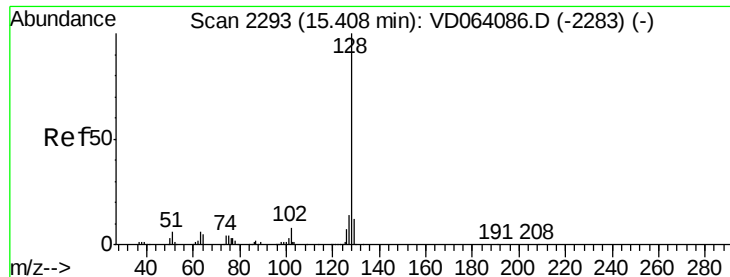
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 10/30/2019 10:58:17 AM



#94
 Hexachlorobutadiene
 Concen: 51.160 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064086.D
 Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126798		
223	61.5	30.8	92.3	
227	63.4	31.7	95.1	





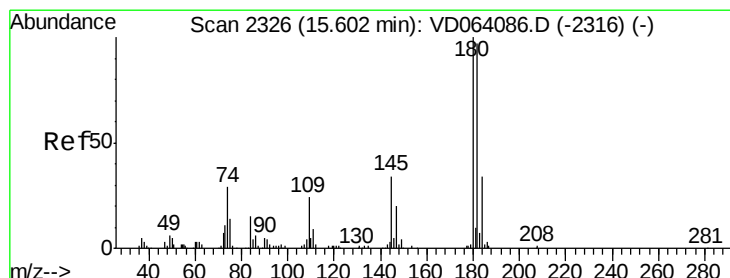
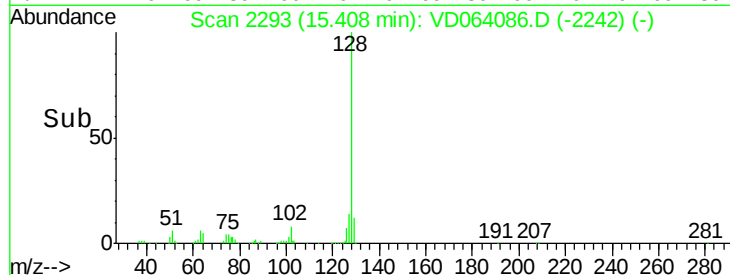
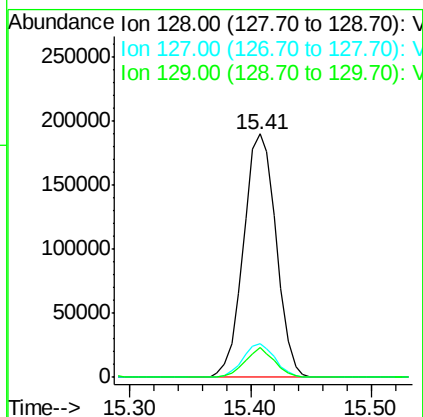
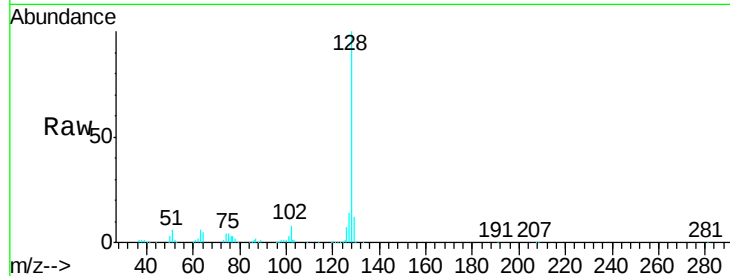
#95
Naphthalene
Concen: 51.530 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.9	16.3
129	11.0	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.446 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064086.D
Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.4	145.0
145	32.9	16.4	49.4

