

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064566.D
 Acq On : 23 Dec 2019 14:09
 Operator : VA/SY
 Sample : K6396-04MS
 Misc : 6.28G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Manual Integrations
 APPROVED

apatel
 12/24/2019 11:04:13 AM

Quant Time: Dec 24 06:10:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	24504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	38154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	39516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	21179	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	17839	80.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	160.86%	
35) Dibromofluoromethane	7.93	113	15902	66.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	132.30%	
50) Toluene-d8	10.34	98	46641	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.64	95	17947	61.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	8201	36.937	ug/l	98
3) Chloromethane	2.20	50	14610	52.171	ug/l	100
4) Vinyl Chloride	2.35	62	13369	41.347	ug/l	96
5) Bromomethane	2.77	94	15928	66.613	ug/l	91
6) Chloroethane	2.92	64	11589	53.623	ug/l	90
7) Trichlorofluoromethane	3.27	101	21283	39.595	ug/l	96
8) Diethyl Ether	3.71	74	9859	88.265	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	11316	49.099	ug/l #	15
10) Methyl Iodide	4.29	142	12538	51.515	ug/l	98
11) Tert butyl alcohol	5.24	59	15343	1086.729	ug/l #	100
12) 1,1-Dichloroethene	4.07	96	10352	46.870	ug/l	88
13) Acrolein	3.93	56	12423	645.103	ug/l	99
14) Allyl chloride	4.72	41	22292	64.672	ug/l	91
15) Acrylonitrile	5.42	53	45987	941.502	ug/l	99
16) Acetone	4.16	43	63241	1410.976	ug/l	95
17) Carbon Disulfide	4.40	76	29202	41.746	ug/l #	94
18) Methyl Acetate	4.72	43	31559	241.390	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	49480	97.664	ug/l	95
20) Methylene Chloride	4.96	84	19718	90.154	ug/l	90
21) trans-1,2-Dichloroethene	5.48	96	13270	53.115	ug/l	87
22) Diisopropyl ether	6.36	45	45715	67.182	ug/l #	95
23) Vinyl Acetate	6.31	43	120739	300.977	ug/l	96
24) 1,1-Dichloroethane	6.27	63	24917	60.889	ug/l	100
25) 2-Butanone	7.22	43	68157	1075.272	ug/l	98
26) 2,2-Dichloropropane	7.21	77	20230	56.845	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	17458	64.095	ug/l	95
28) Bromochloromethane	7.56	49	11903	85.112	ug/l	94
29) Tetrahydrofuran	7.57	42	39331	975.288	ug/l	97
30) Chloroform	7.71	83	26162	61.730	ug/l	87
31) Cyclohexane	7.98	56	16248	45.021	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	20082	51.110	ug/l	99
36) 1,1-Dichloropropene	8.11	75	15818	43.831	ug/l	93
37) Ethyl Acetate	7.30	43	24444	159.629	ug/l #	93
38) Carbon Tetrachloride	8.10	117	17325	45.486	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16276	36.358	ug/l	93
40) Benzene	8.35	78	53138	53.015	ug/l	95
41) Methacrylonitrile	7.53	41	11478m	130.702	ug/l	
42) 1,2-Dichloroethane	8.43	62	24108	82.476	ug/l	98
43) Isopropyl Acetate	8.46	43	36738	122.019	ug/l	95
44) Trichloroethene	9.11	130	15418	51.065	ug/l	97
45) 1,2-Dichloropropane	9.39	63	15589	65.032	ug/l	92
46) Dibromomethane	9.48	93	12196	90.144	ug/l	96
47) Bromodichloromethane	9.66	83	23838	68.572	ug/l #	93
48) Methyl methacrylate	9.46	41	18739	136.012	ug/l	88
49) 1,4-Dioxane	9.47	88	7790	4662.747	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	116807	784.078	ug/l	99
52) Toluene	10.40	92	34415	52.685	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	25720	77.632	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	25434	64.621	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	16703	90.161	ug/l	90
56) Ethyl methacrylate	10.66	69	23060	97.594	ug/l	98
57) 1,3-Dichloropropane	10.95	76	27553	87.371	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	43250	459.169	ug/l	99
59) 2-Hexanone	10.99	43	90525	875.726	ug/l	98
60) Dibromochloromethane	11.14	129	20181	80.345	ug/l	96
61) 1,2-Dibromoethane	11.25	107	17849	96.496	ug/l	98
64) Tetrachloroethene	10.88	164	16312	54.132	ug/l	93
65) Chlorobenzene	11.67	112	39702	48.172	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	16880	55.326	ug/l	97
67) Ethyl Benzene	11.75	91	61149	41.700	ug/l	99
68) m/p-Xylenes	11.86	106	46093	82.438	ug/l	97
69) o-Xylene	12.18	106	23219	44.965	ug/l	99
70) Styrene	12.20	104	42759	47.651	ug/l	99
71) Bromoform	12.36	173	16096	88.180	ug/l #	100
73) Isopropylbenzene	12.48	105	56423	37.042	ug/l	97
74) N-amyl acetate	12.29	43	25514	73.801	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	23823	94.576	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	19258m	110.571	ug/l	
77) Bromobenzene	12.76	156	19715	52.412	ug/l	89
78) n-propylbenzene	12.83	91	65770	37.423	ug/l	99
79) 2-Chlorotoluene	12.91	91	38953	40.280	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	48376	38.864	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	7218	90.366	ug/l	91
82) 4-Chlorotoluene	13.01	91	45119	44.066	ug/l	98
83) tert-Butylbenzene	13.23	119	39583	36.578	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	49009	39.156	ug/l	99
85) sec-Butylbenzene	13.41	105	51778	34.861	ug/l	99
86) p-Isopropyltoluene	13.53	119	49491	35.295	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	32784	45.920	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	31932	45.303	ug/l	95
89) n-Butylbenzene	13.85	91	45923	36.064	ug/l	98
90) Hexachloroethane	14.12	117	11063	42.182	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	30893	50.633	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5178	145.985	ug/l	96

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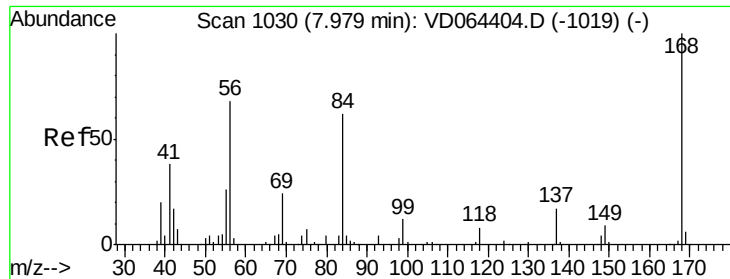
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	22606	48.379	ug/l	94
94) Hexachlorobutadiene	15.28	225	10169	35.252	ug/l	97
95) Naphthalene	15.41	128	64704	82.973	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	22944	57.523	ug/l	97

(#) = 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. 0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

Tot Ion:168 Resp: 24504

Ion Ratio Lower Upper

168 100

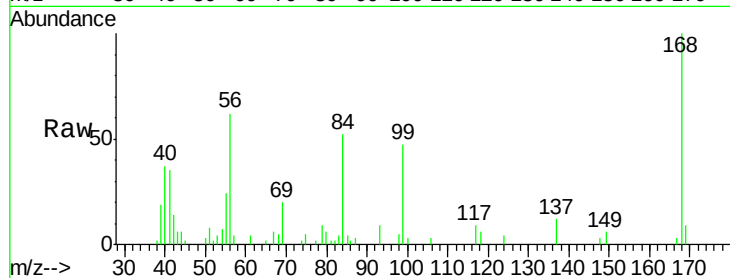
99 47.2 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

12000

10000

8000

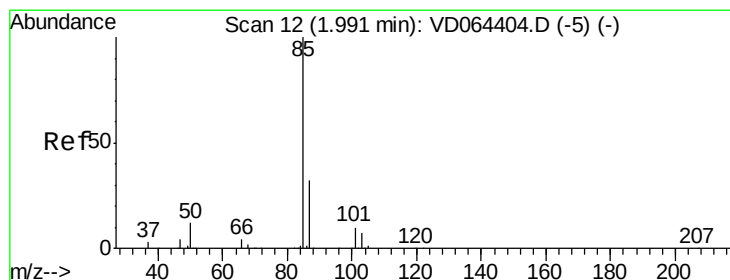
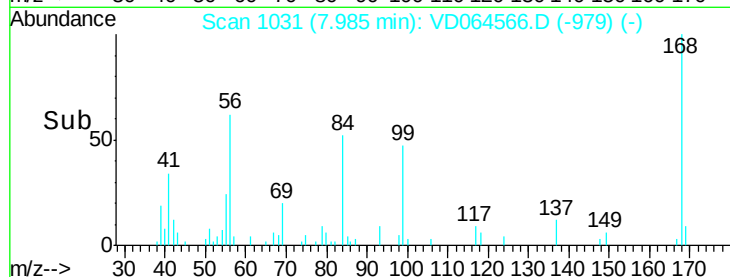
6000

4000

2000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 36.937 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064566.D

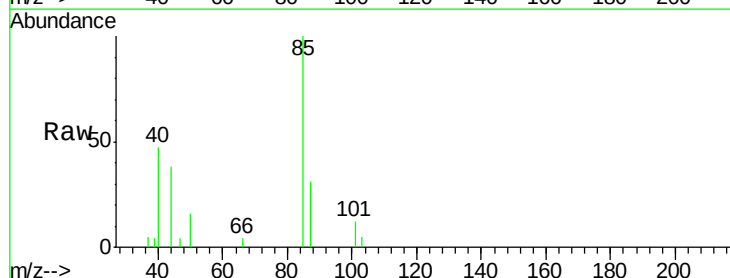
Acq: 23 Dec 2019 14:09

Tgt Ion: 85 Resp: 8201

Ion Ratio Lower Upper

85 100

87 30.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

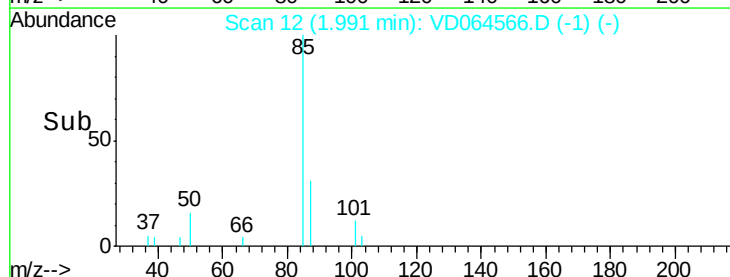
6000

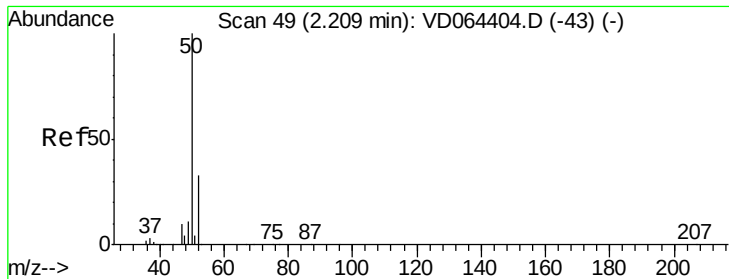
4000

2000

0

Time-->





#3

Chloromethane

Concen: 52.171 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

Tot Ion: 50 Resp: 14610

Ion Ratio Lower Upper

50 100

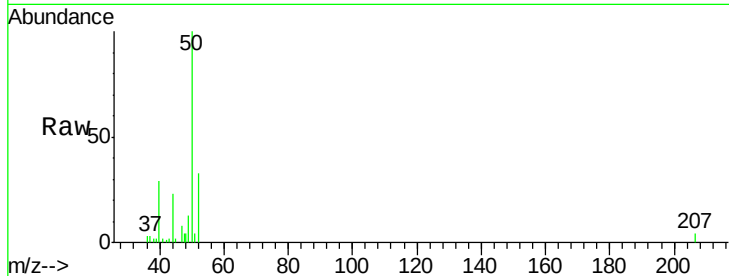
52 33.1 26.7 40.1

Manual Integrations

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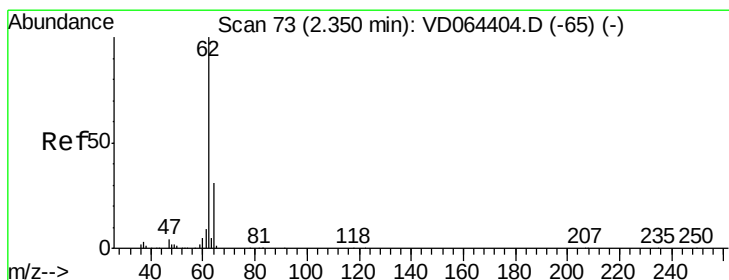
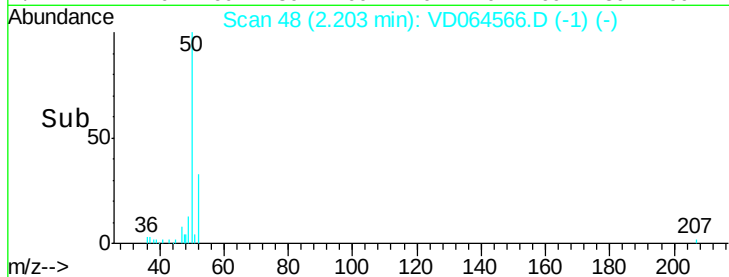
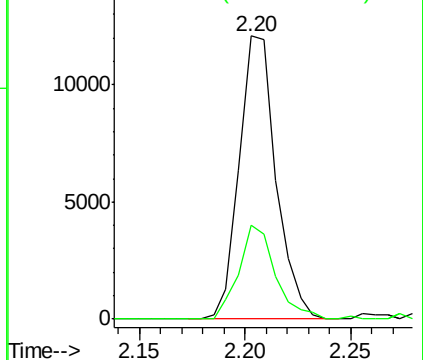
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 41.347 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064566.D

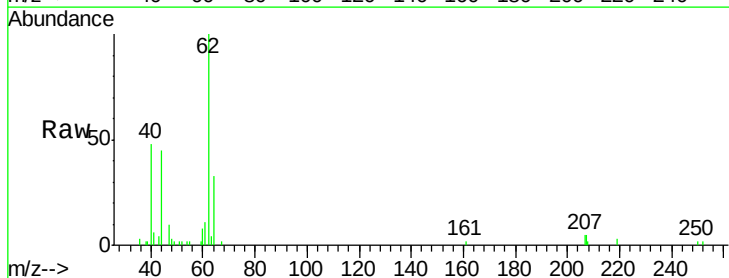
Acq: 23 Dec 2019 14:09

Tgt Ion: 62 Resp: 13369

Ion Ratio Lower Upper

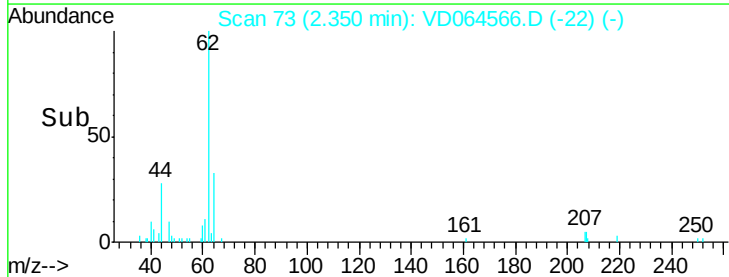
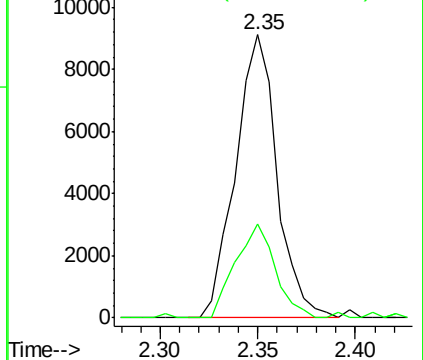
62 100

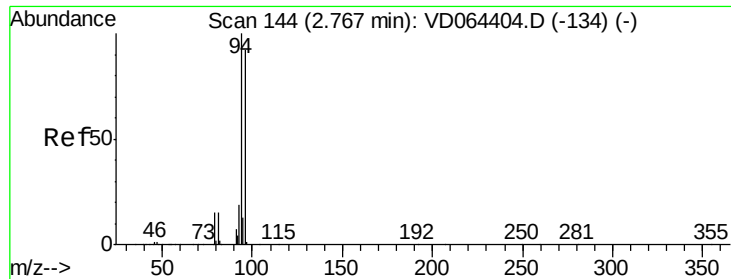
64 33.2 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 66.613 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064566.D

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SB-2-(4-5)MS

Tot Ion: 94 Resp: 15928

Ion Ratio Lower Upper

94 100

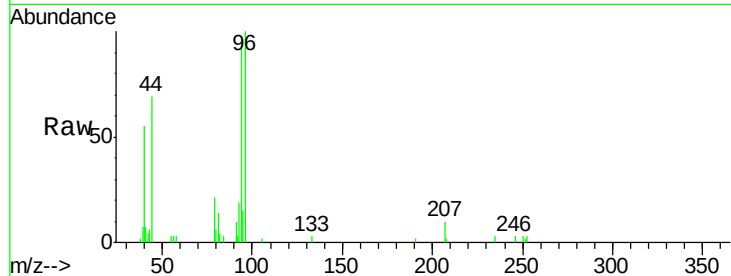
96 100.5 73.6 110.4

Manual Integrations

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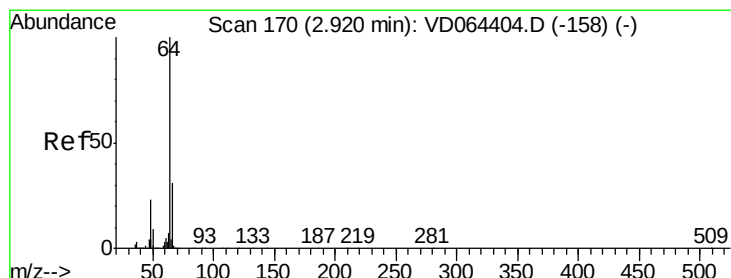
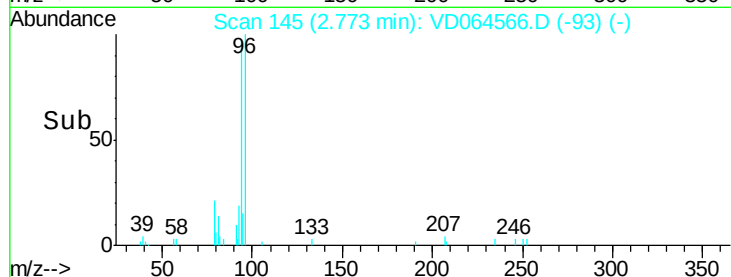
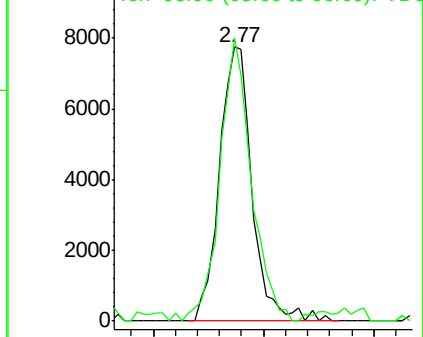
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 53.623 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064566.D

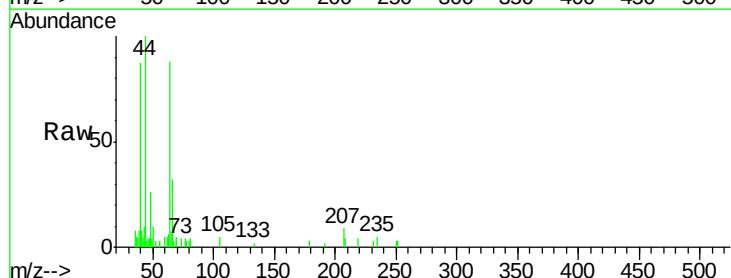
Acq: 23 Dec 2019 14:09

Tgt Ion: 64 Resp: 11589

Ion Ratio Lower Upper

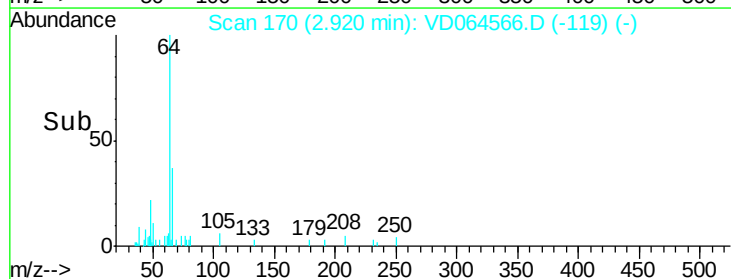
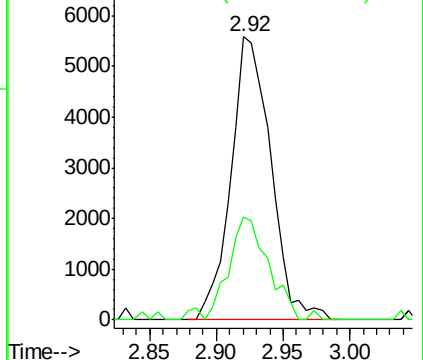
64 100

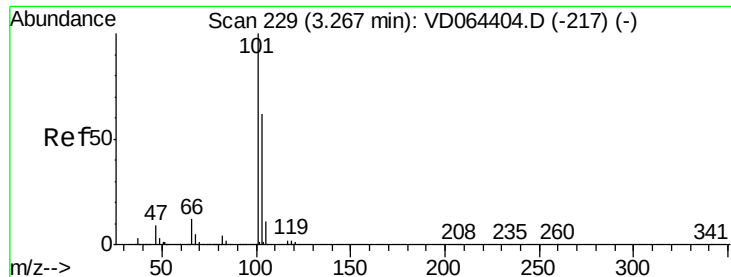
66 36.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

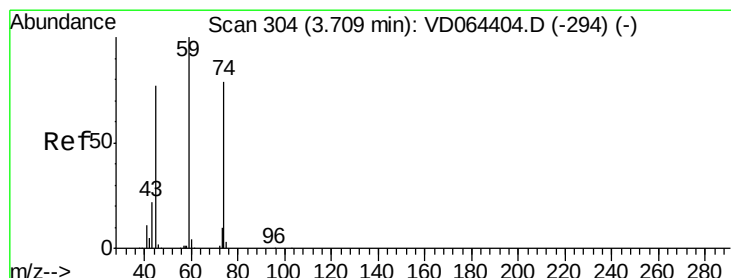
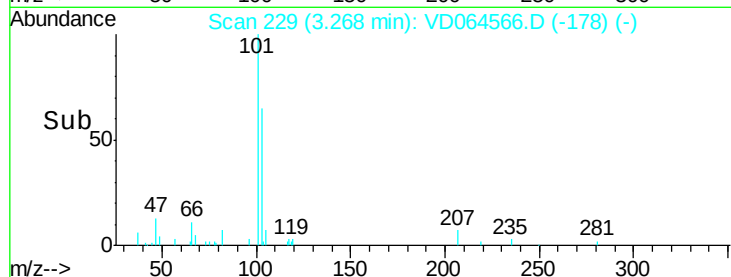
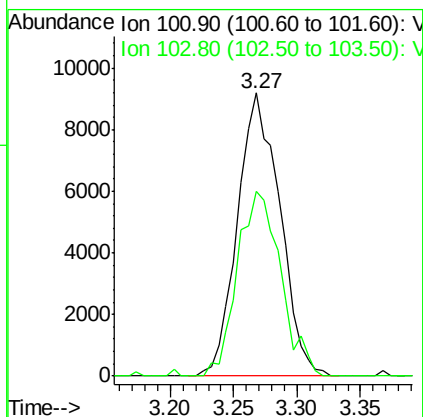
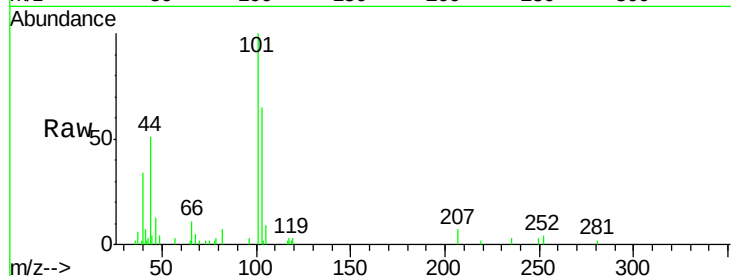
Trichlorofluoromethane
Concen: 39.595 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	49.8	74.6

Manual Integrations
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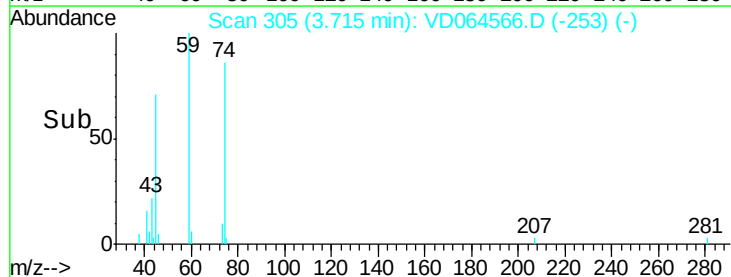
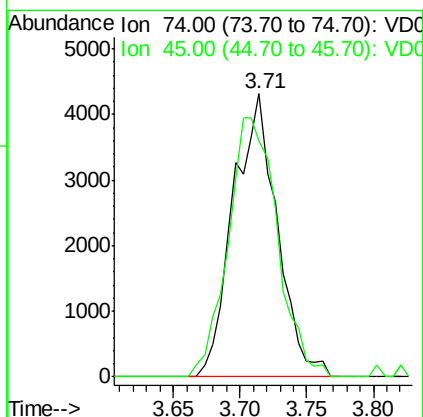
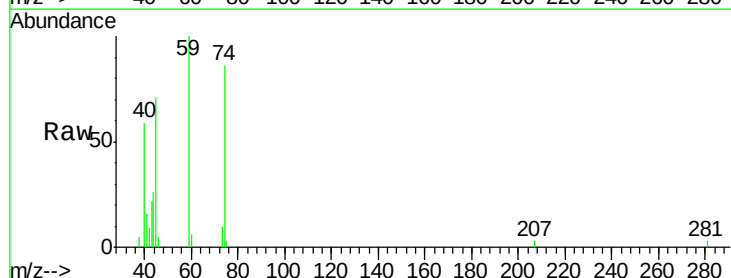
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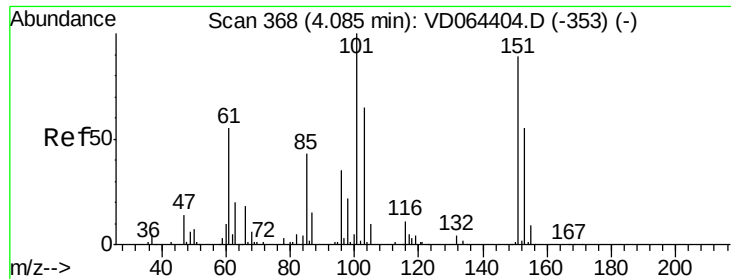


#8

Diethyl Ether
Concen: 88.265 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.6	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.099 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

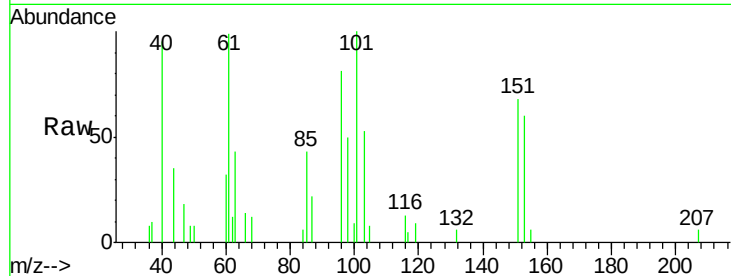
ClientSampleId :

SB-2-(4-5)MS

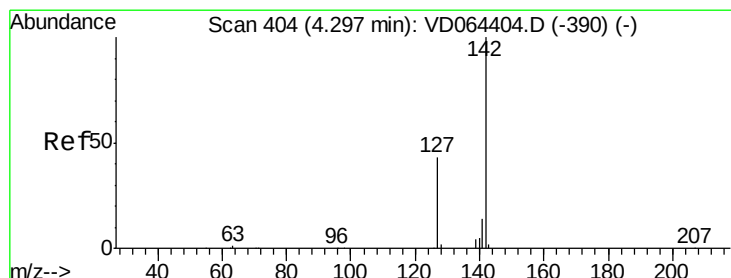
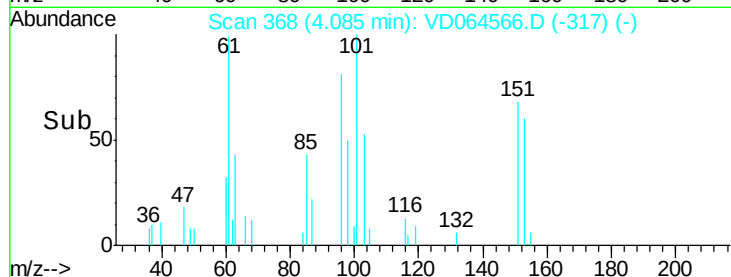
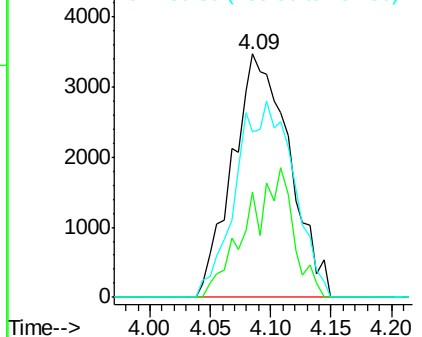
Tot Ion:	101	Resp:	11316
Ion Ratio	Lower	Upper	
101	100		
85	0.0	34.8	52.2#
151	0.0	68.8	103.2#

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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: 51.515 ug/l

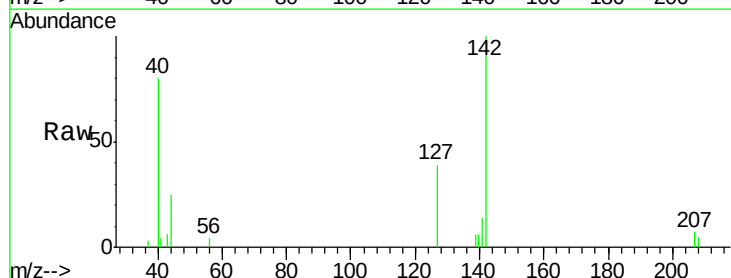
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

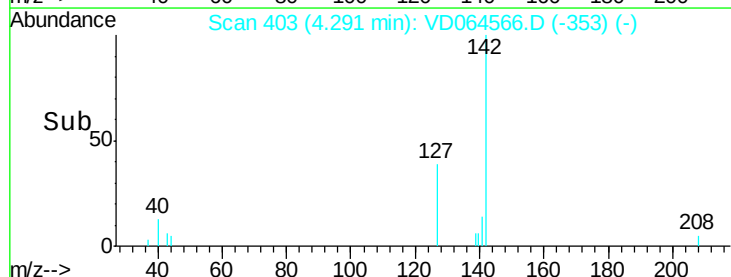
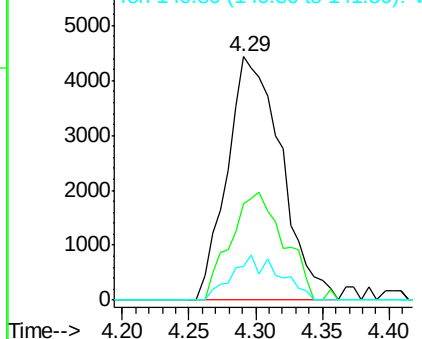
Lab File: VD064566.D

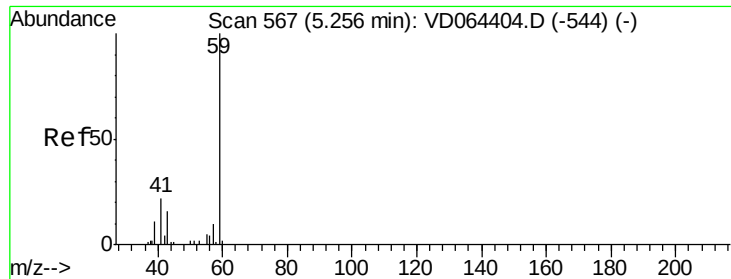
Acq: 23 Dec 2019 14:09

Tgt Ion:	142	Resp:	12538
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.3	52.9
141	16.1	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

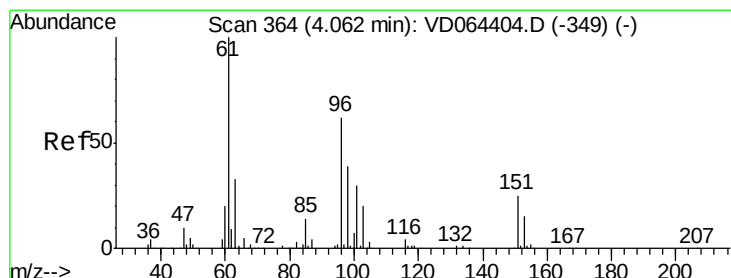
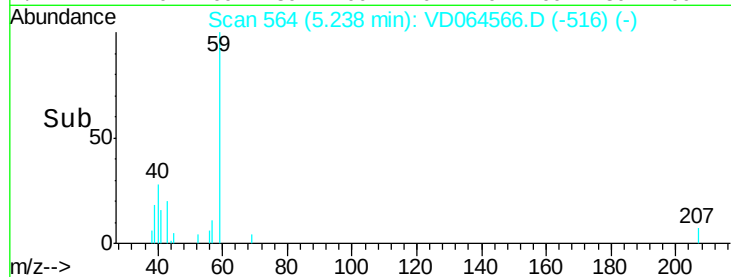
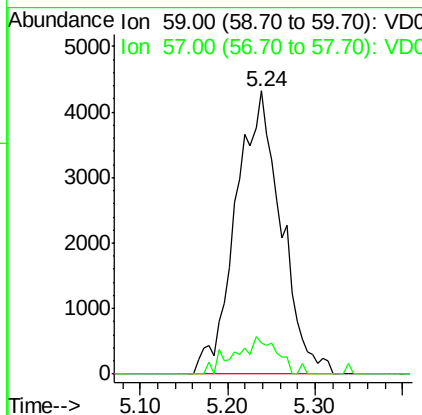
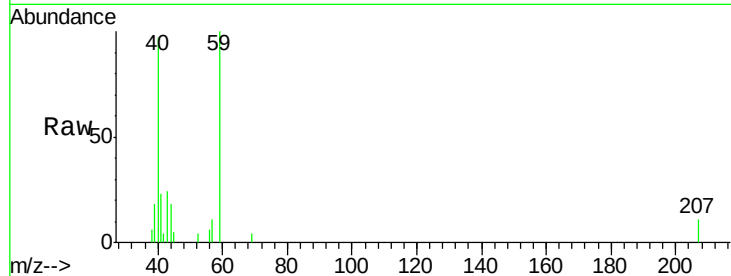
Tert butyl alcohol
Concen: 1086.729 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion: 59 Resp: 15343
Ion Ratio Lower Upper
59 100
57 11.8 0.0 0.0#

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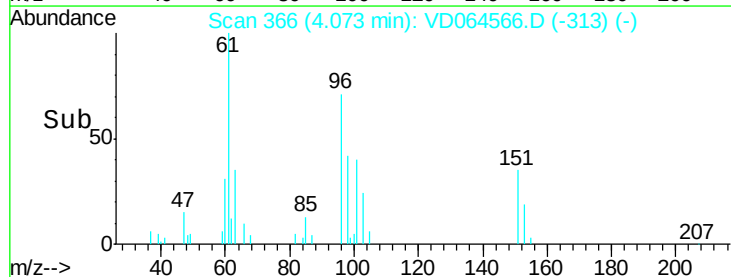
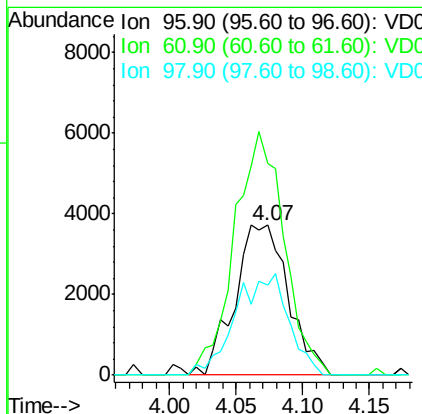
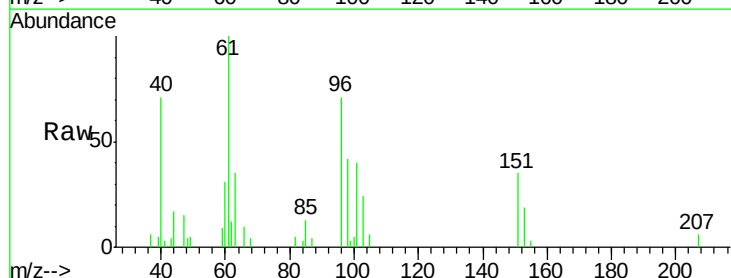
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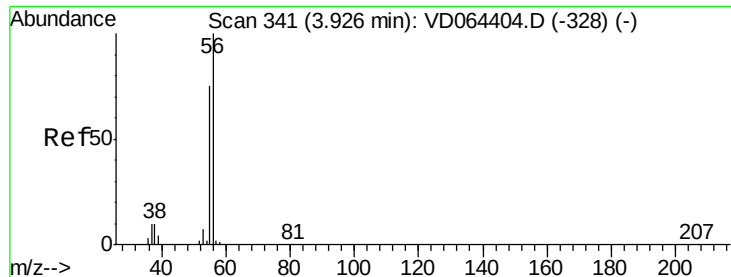


#12

1,1-Dichloroethene
Concen: 46.870 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion: 96 Resp: 10352
Ion Ratio Lower Upper
96 100
61 140.9 128.2 192.4
98 59.7 50.4 75.6





#13

Acrolein

Concen: 645.103 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

Tot Ion: 56 Resp: 12423

Ion Ratio Lower Upper

56 100

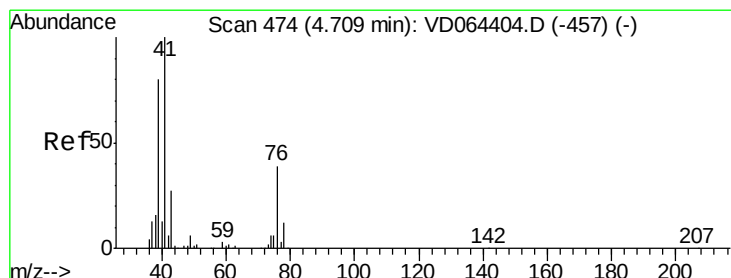
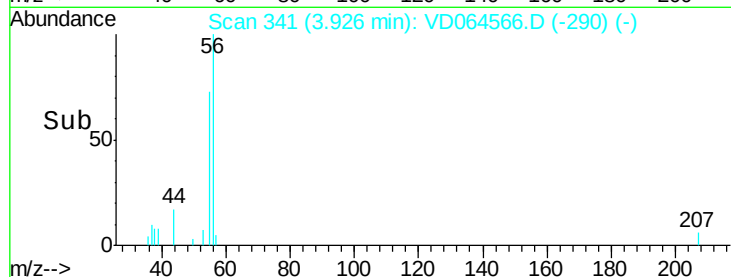
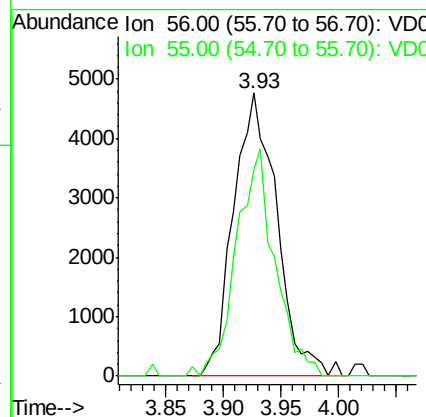
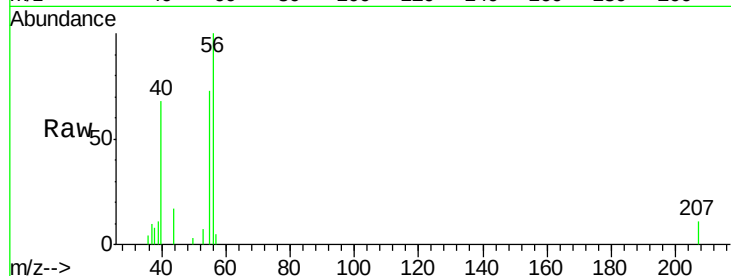
55 71.6 56.9 85.3

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#14

Allyl chloride

Concen: 64.672 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

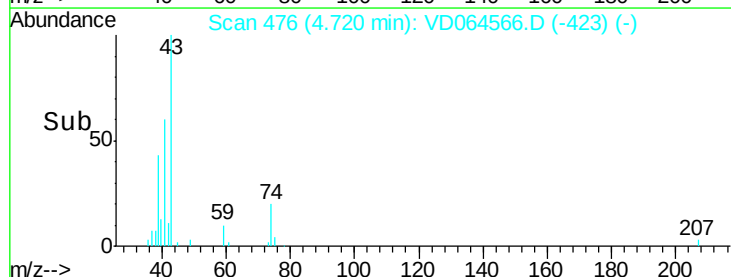
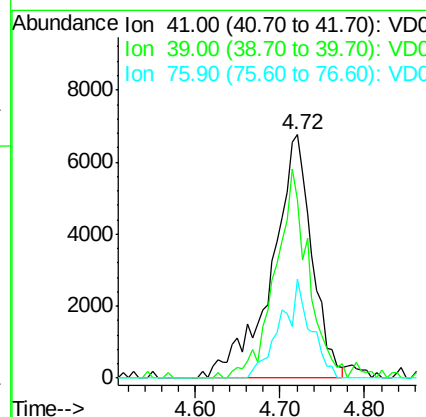
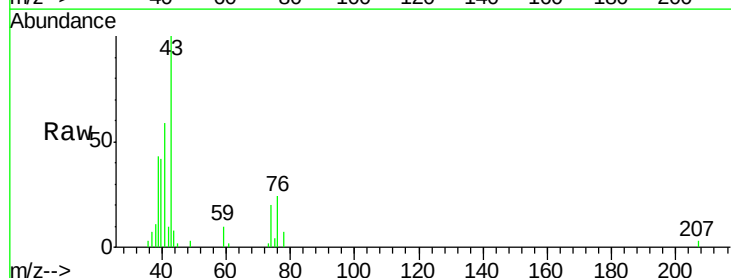
Tgt Ion: 41 Resp: 22292

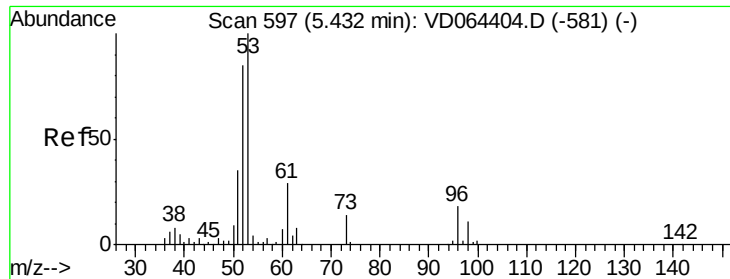
Ion Ratio Lower Upper

41 100

39 71.0 62.1 93.1

76 30.4 29.8 44.8





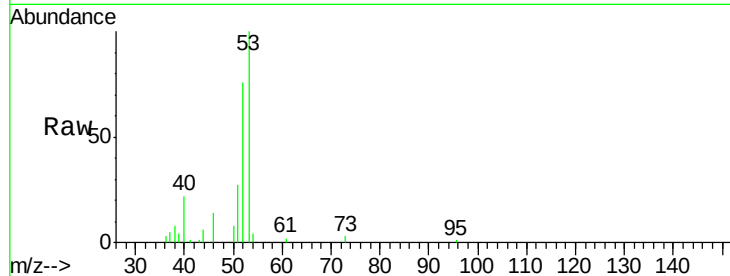
#15
Acrylonitrile
Concen: 941.502 ug/l
RT: 5.42 min Scan# 595
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

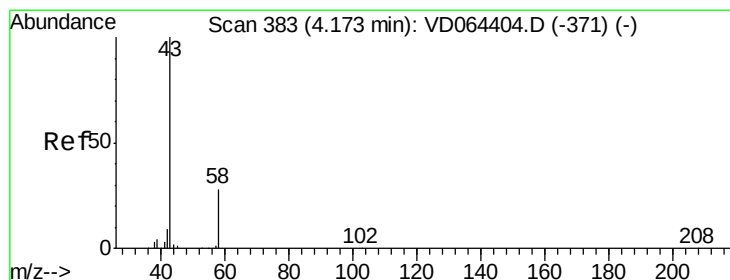
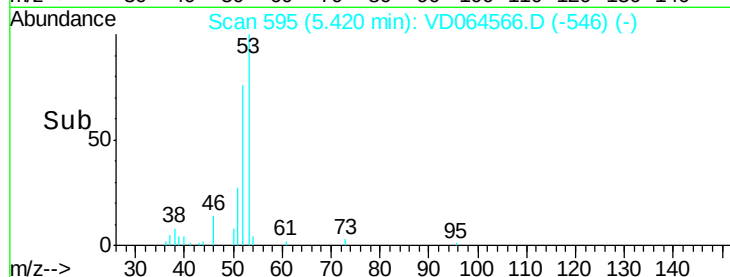
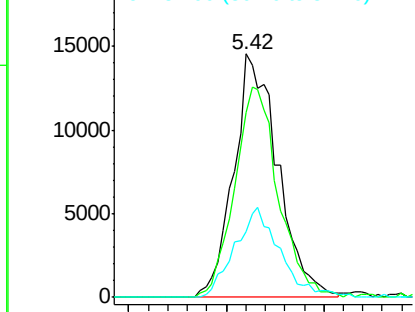
Tot Ion	Ratio	Lower	Upper
53	100		
52	85.3	67.9	101.9
51	37.7	30.6	45.8

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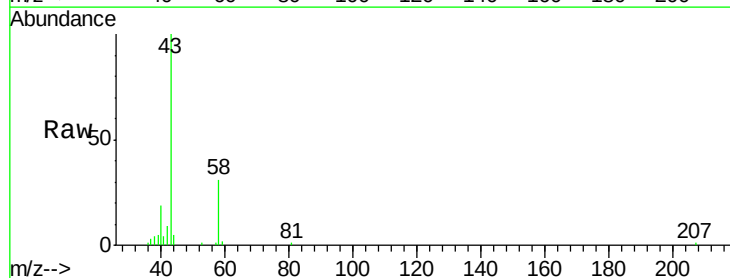


Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC

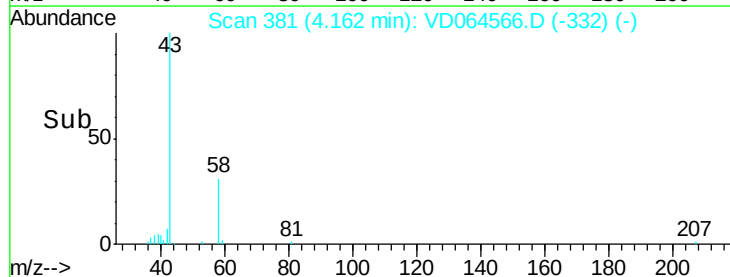
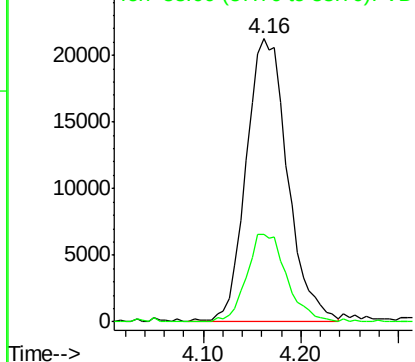


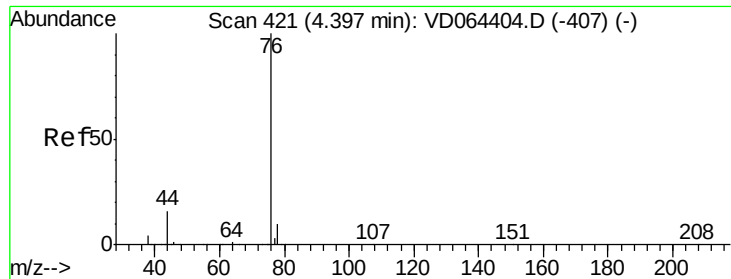
#16
Acetone
Concen: 1410.976 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.1	22.6	33.8



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 41.746 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

Tot Ion: 76 Resp: 29202

Ion Ratio Lower Upper

76 100

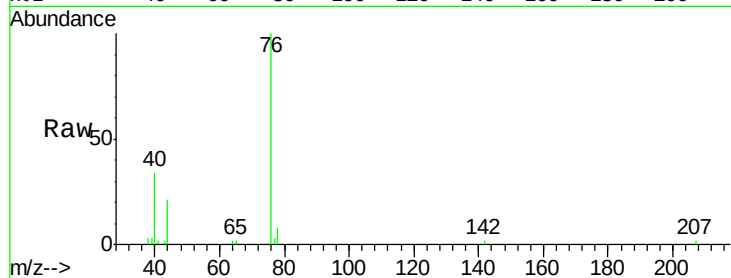
78 7.6 7.8 11.8#

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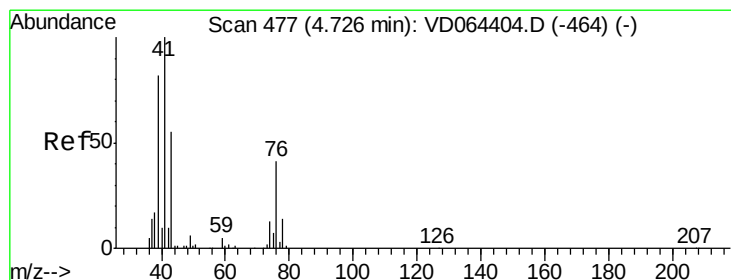
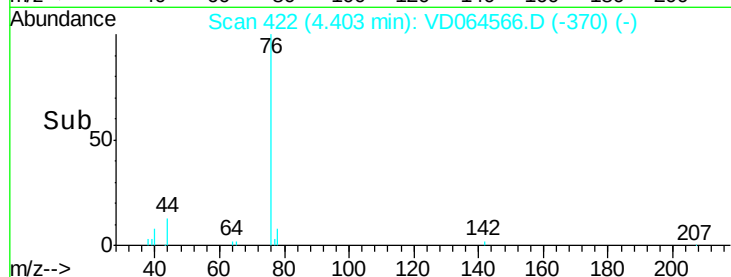
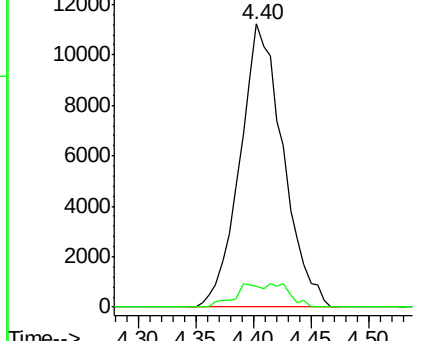
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 241.390 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064566.D

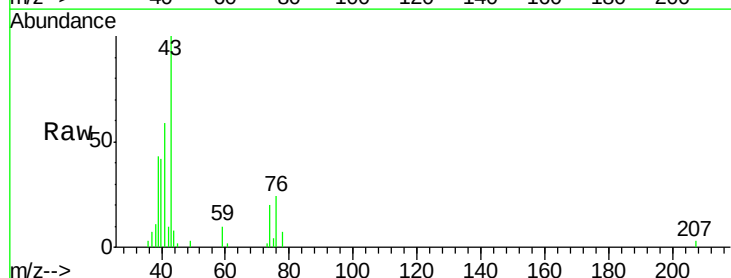
Acq: 23 Dec 2019 14:09

Tgt Ion: 43 Resp: 31559

Ion Ratio Lower Upper

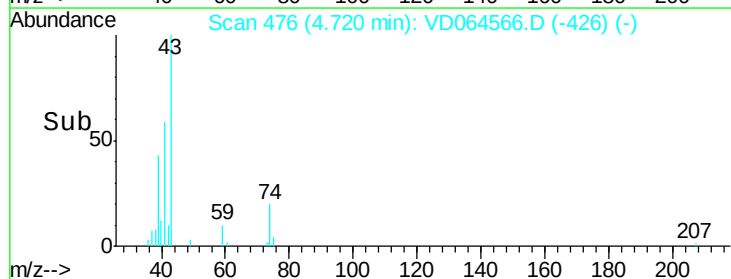
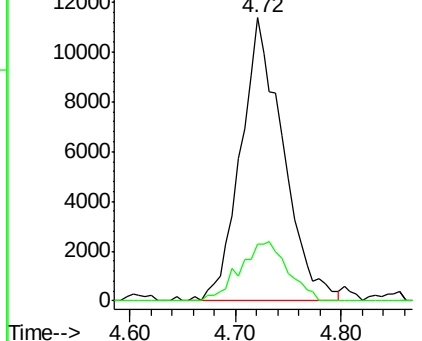
43 100

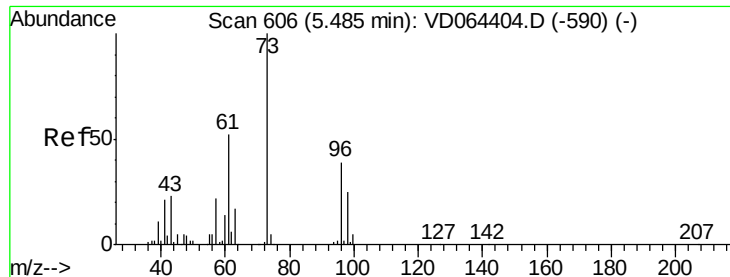
74 23.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





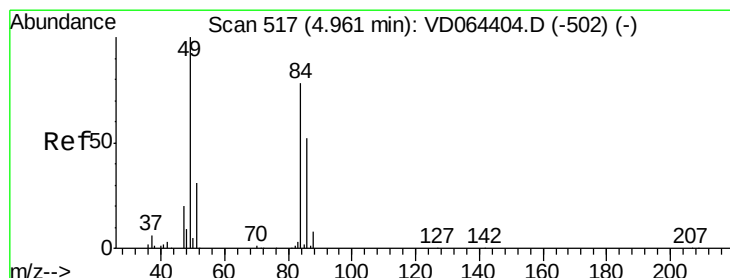
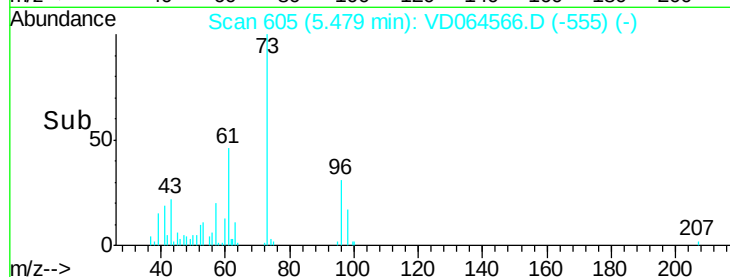
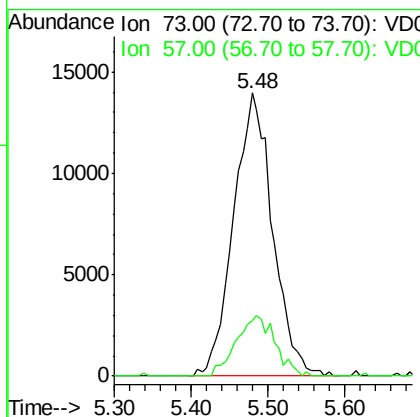
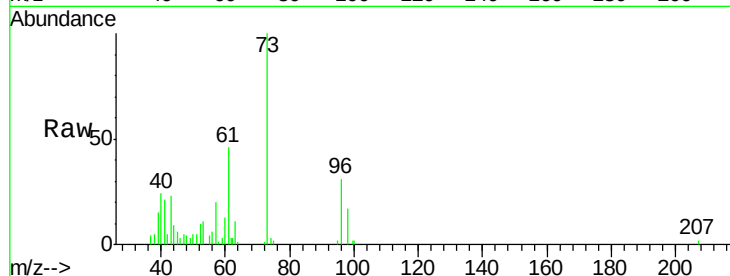
#19
Methyl tert-butyl Ether
Concen: 97.664 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion: 73 Resp: 49480
Ion Ratio Lower Upper
73 100
57 19.6 17.6 26.4

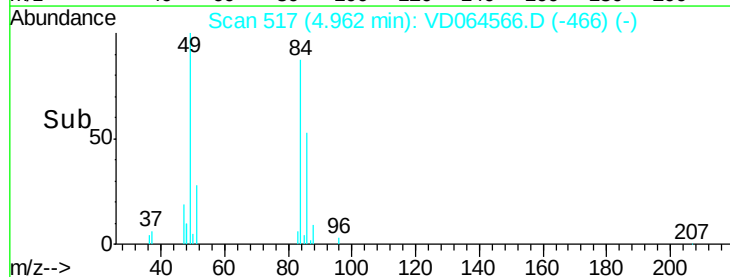
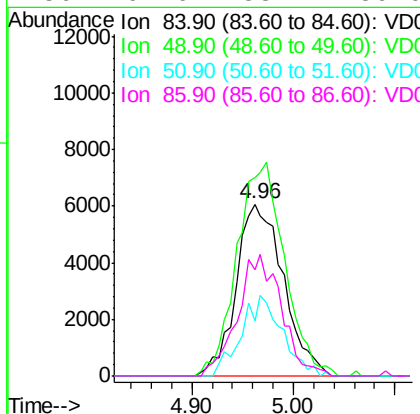
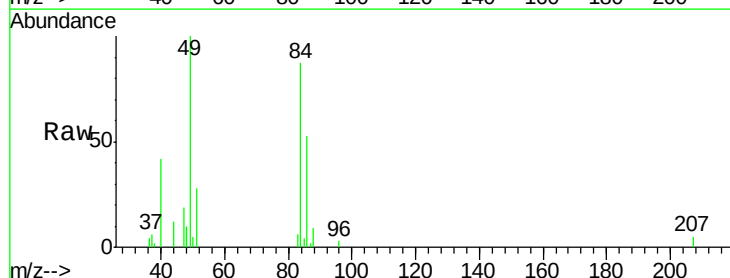
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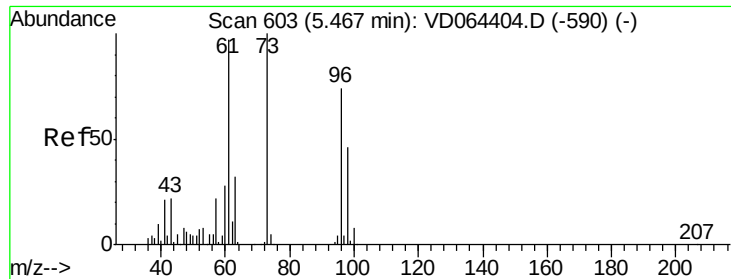
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#20
Methylene Chloride
Concen: 90.154 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion: 84 Resp: 19718
Ion Ratio Lower Upper
84 100
49 115.2 102.6 153.8
51 32.1 32.0 48.0
86 61.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 53.115 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

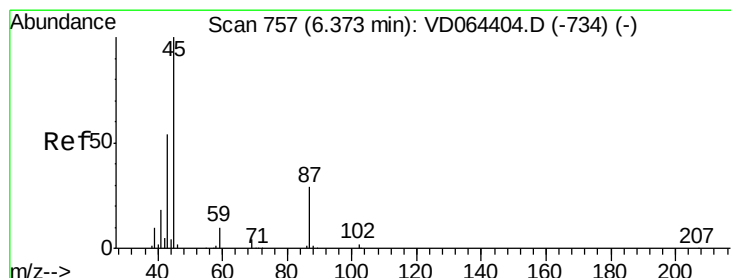
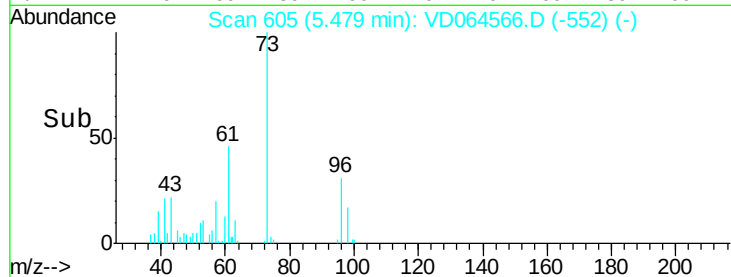
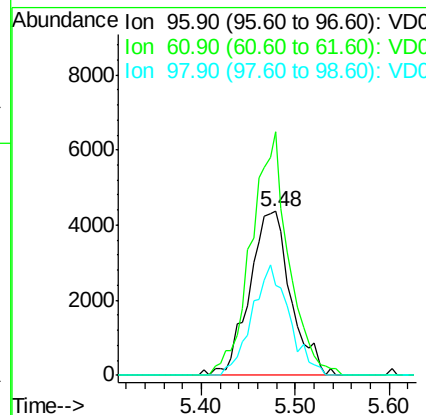
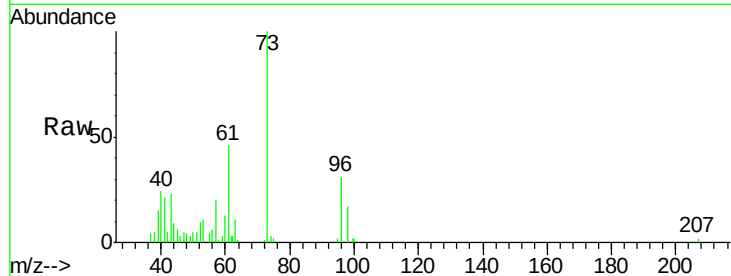
ClientSampleId :

SB-2-(4-5)MS

Tot Ion:	96	Resp:	13270
Ion	Ratio	Lower	Upper
96	100		
61	148.3	105.8	158.6
98	54.8	50.1	75.1

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#22

Diisopropyl ether

Concen: 67.182 ug/l

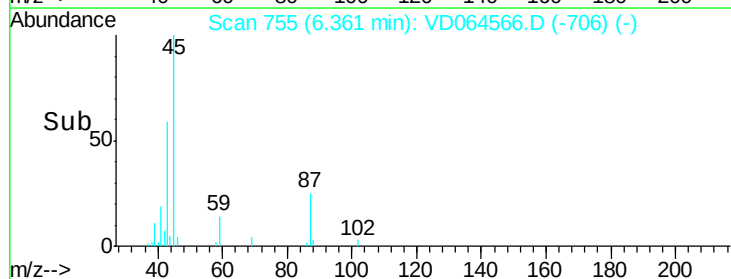
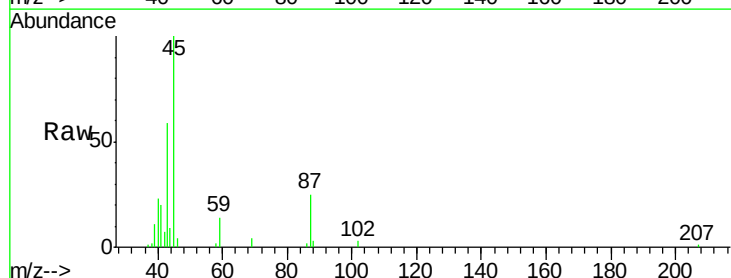
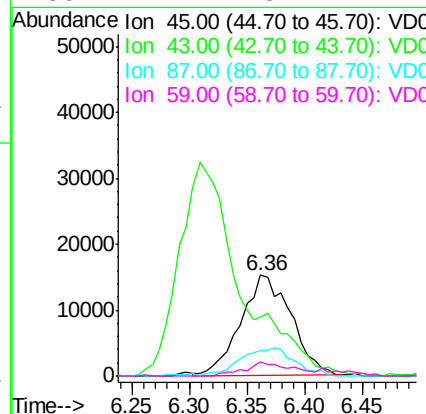
RT: 6.36 min Scan# 755

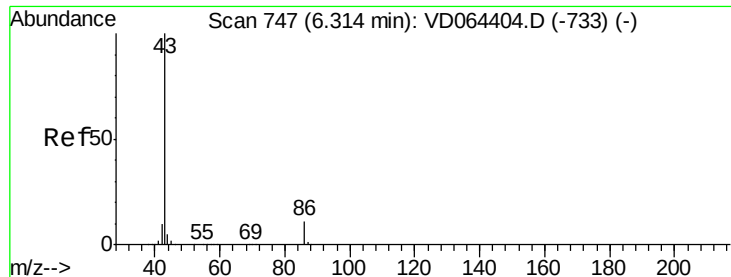
Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Tgt Ion:	45	Resp:	45715
Ion	Ratio	Lower	Upper
45	100		
43	56.4	43.1	64.7
87	25.6	23.5	35.3
59	14.2	8.2	12.2#





#23

Vinyl Acetate

Concen: 300.977 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

Tot Ion: 43 Resp: 120739

Ion Ratio Lower Upper

43 100

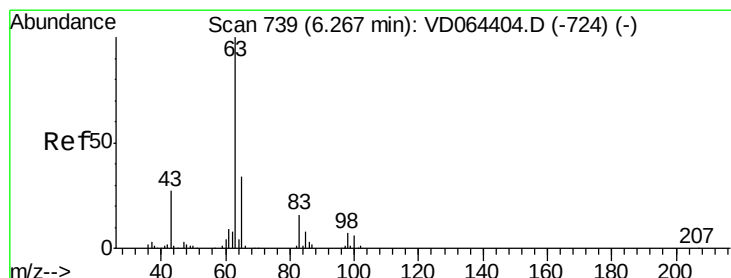
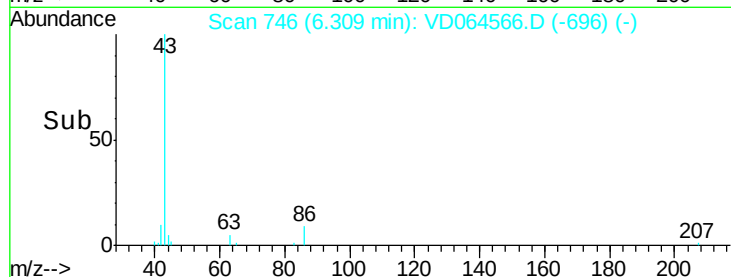
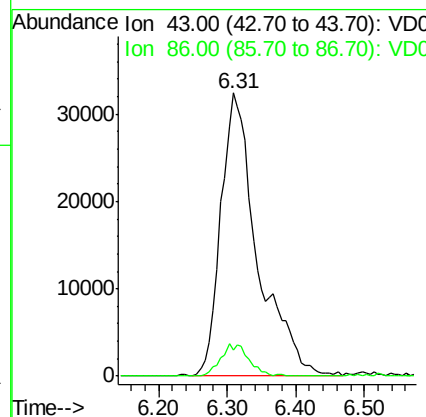
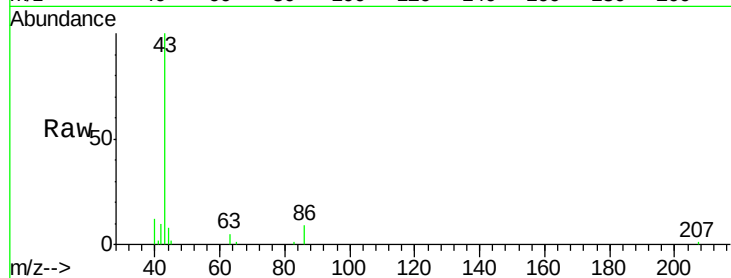
86 9.4 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 60.889 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

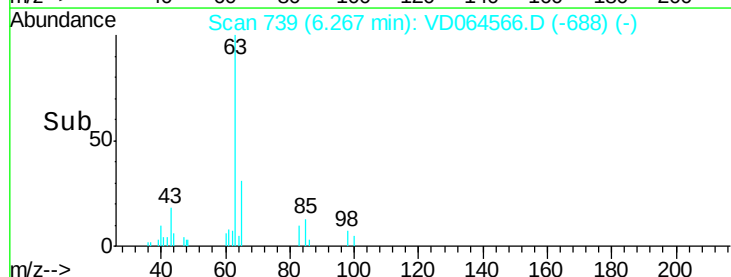
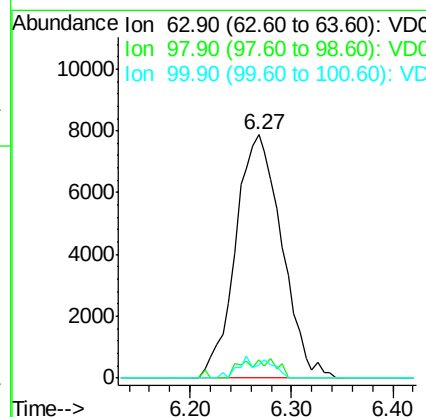
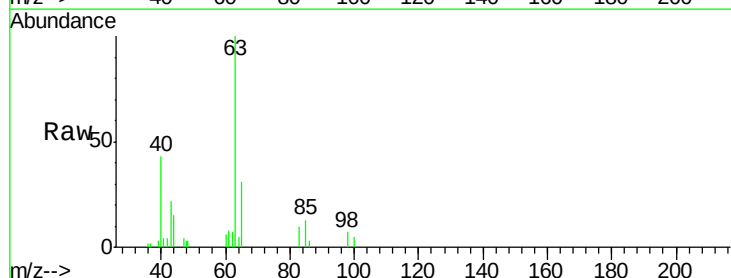
Tgt Ion: 63 Resp: 24917

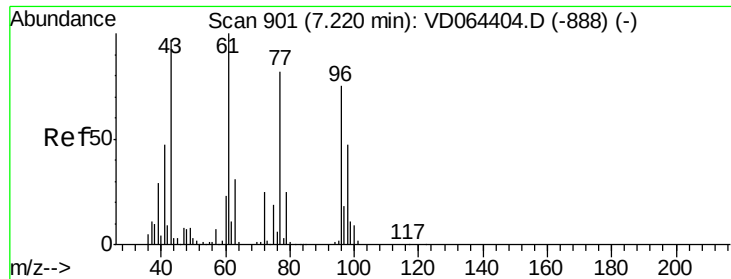
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 5.4 2.9 8.6





#25

2-Butanone

Concen: 1075.272 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

Tot Ion: 43 Resp: 68157

Ion Ratio Lower Upper

43 100

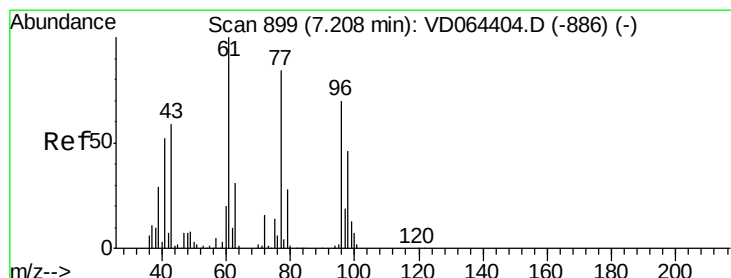
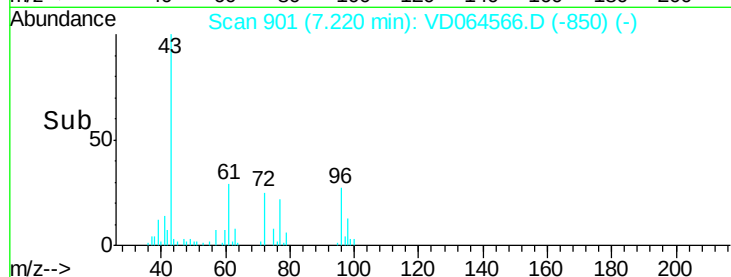
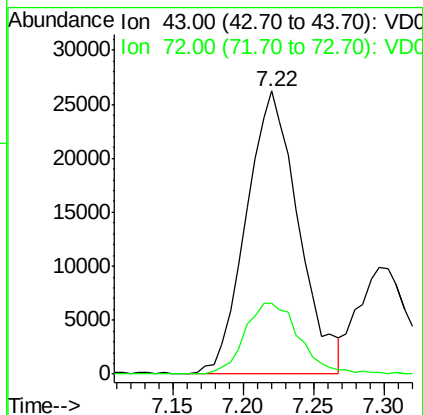
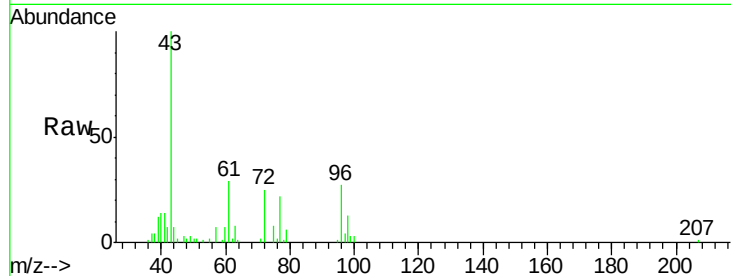
72 24.9 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 56.845 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064566.D

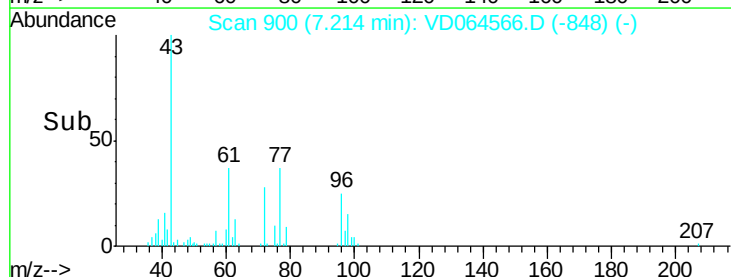
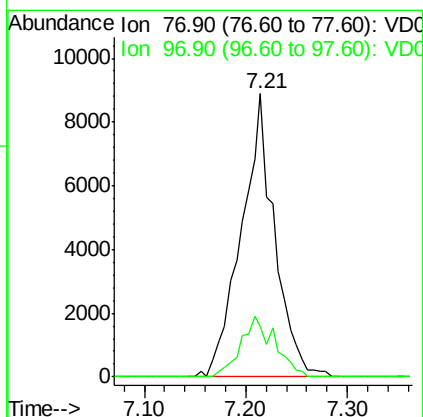
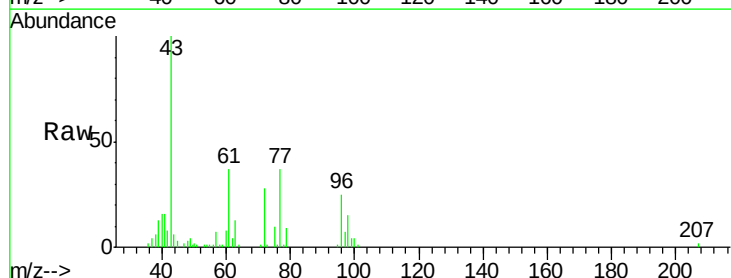
Acq: 23 Dec 2019 14:09

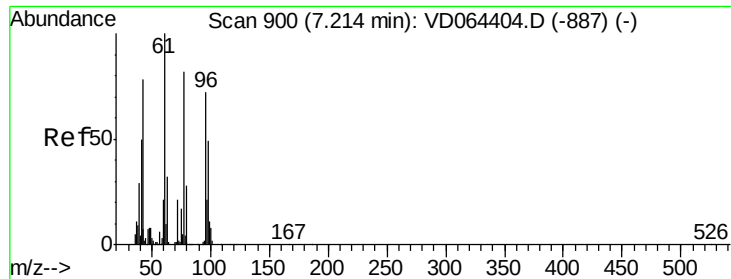
Tgt Ion: 77 Resp: 20230

Ion Ratio Lower Upper

77 100

97 21.8 11.6 34.7





#27

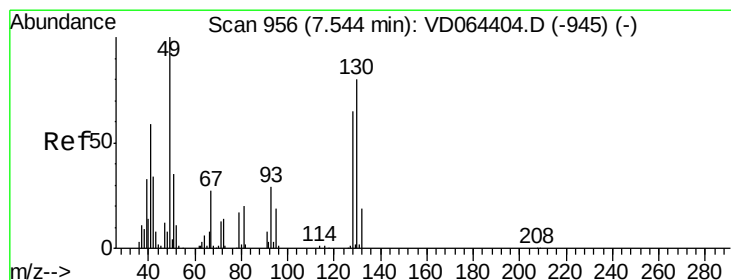
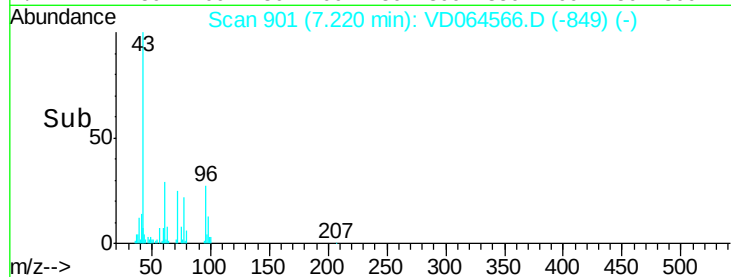
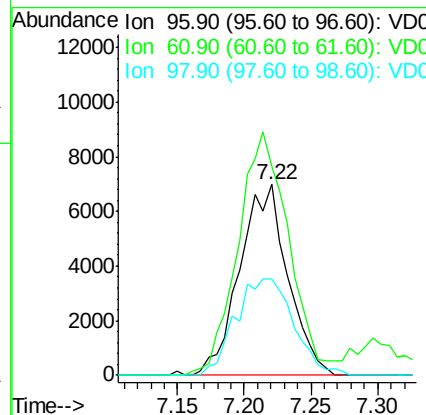
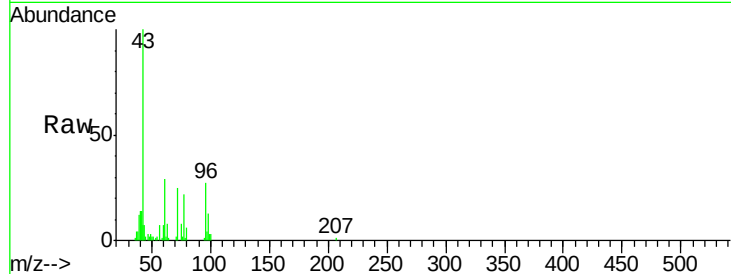
cis-1,2-Dichloroethene
Concen: 64.095 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	279.6
98	61.1	0.0	129.2

Manual Integrations
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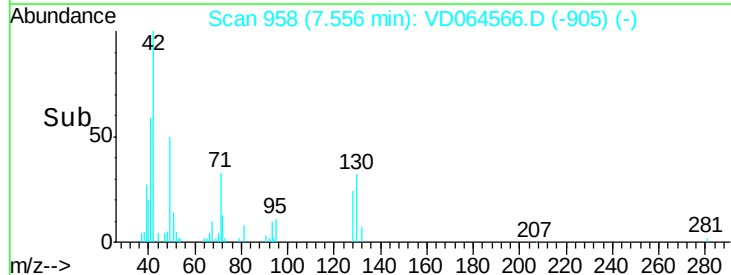
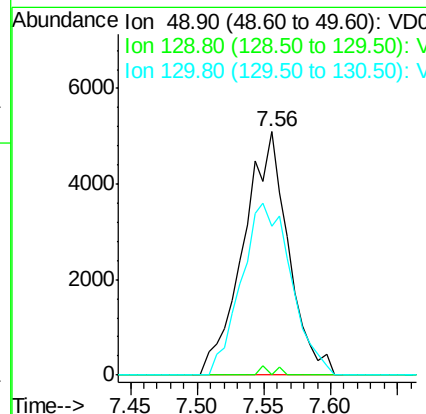
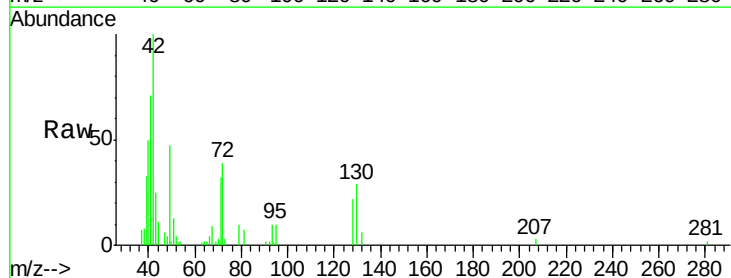
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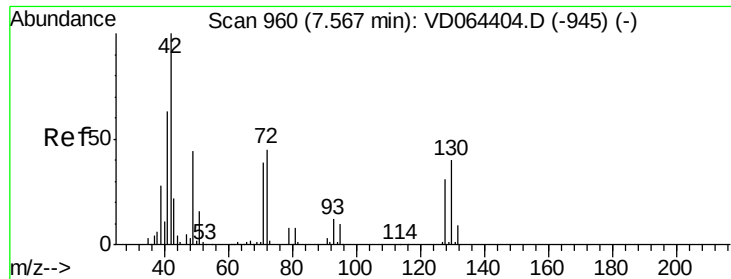


#28

Bromochloromethane
Concen: 85.112 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.4
130	78.3	67.4	101.0





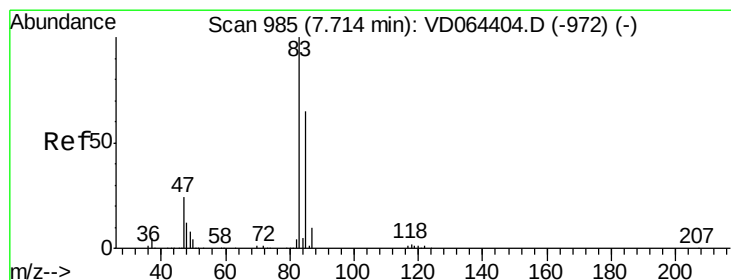
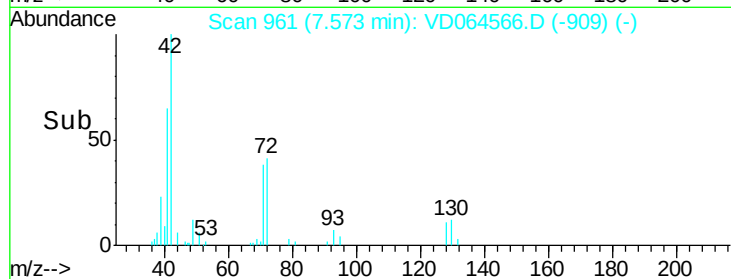
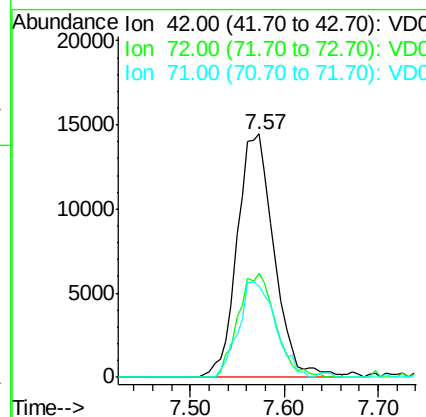
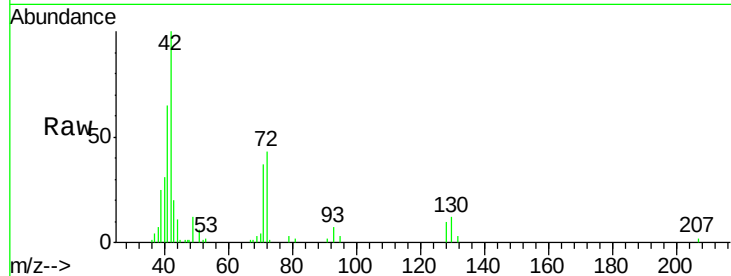
#29
Tetrahydrofuran
Concen: 975.288 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	35.8	53.8
71	39.3	32.7	49.1

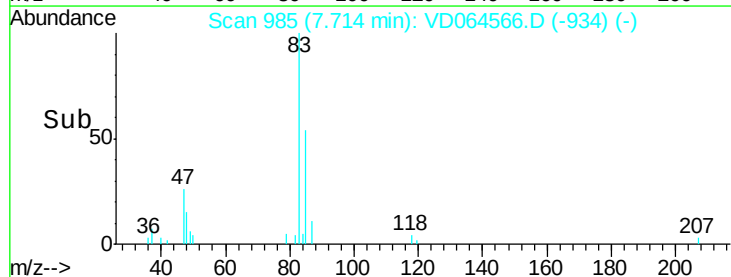
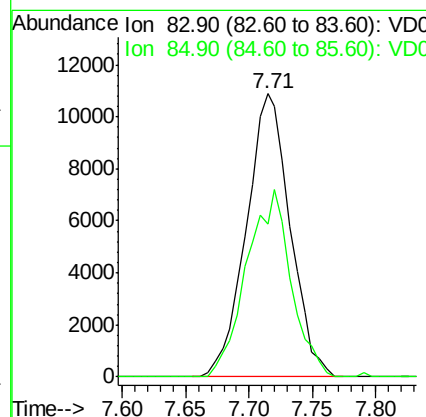
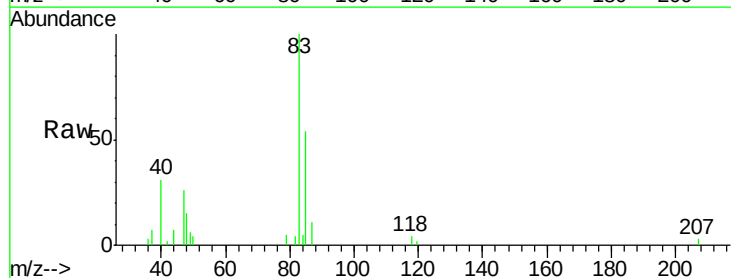
Manual Integrations
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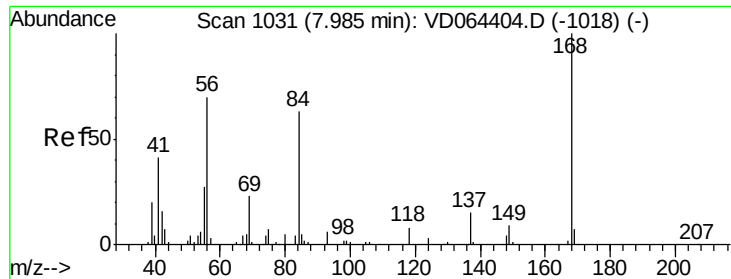
apatel
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#30
Chloroform
Concen: 61.730 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.1	51.8	77.6





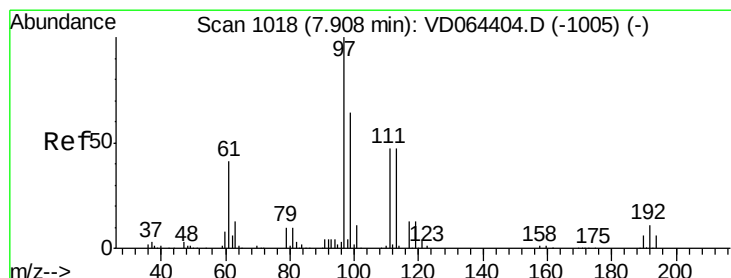
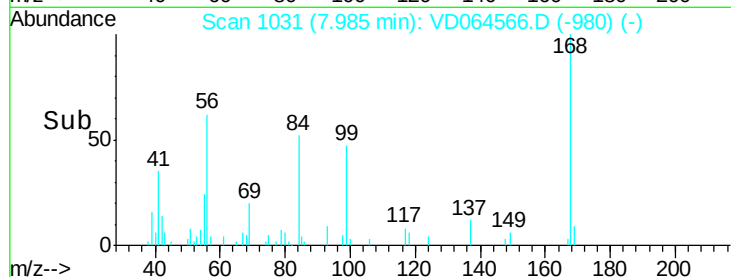
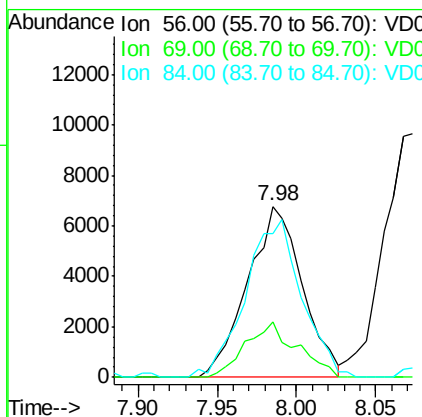
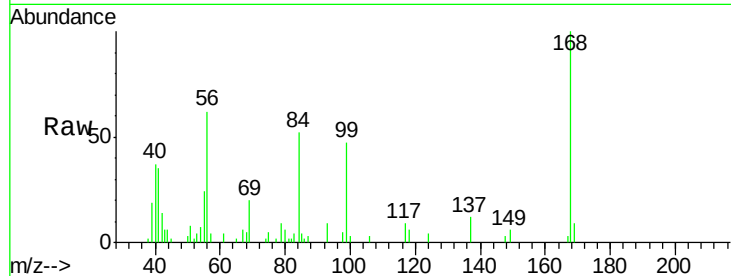
#31
Cyclohexane
Concen: 45.021 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.2	39.4
84	83.7	70.3	105.5

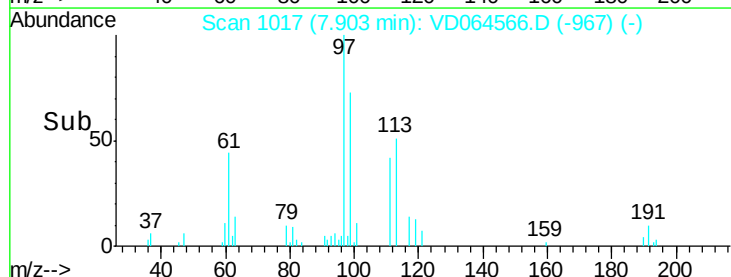
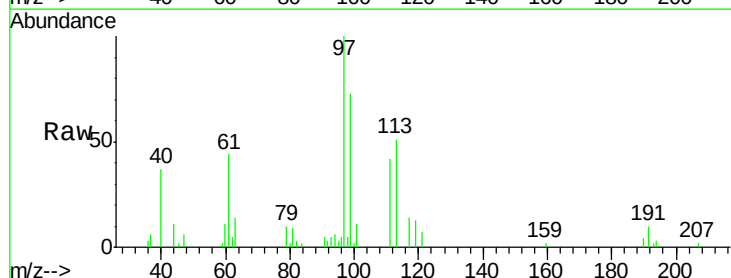
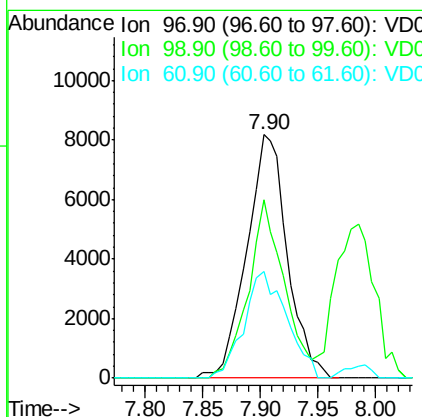
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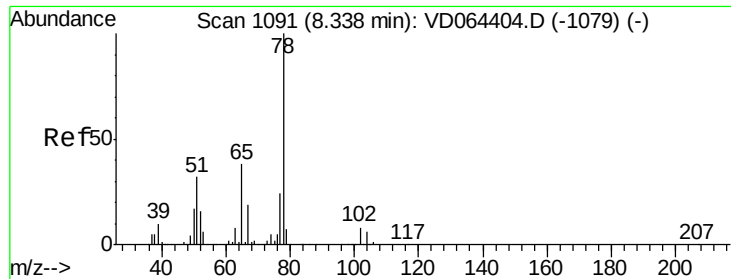
apatel
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#32
1,1,1-Trichloroethane
Concen: 51.110 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.2
61	45.9	35.0	52.4





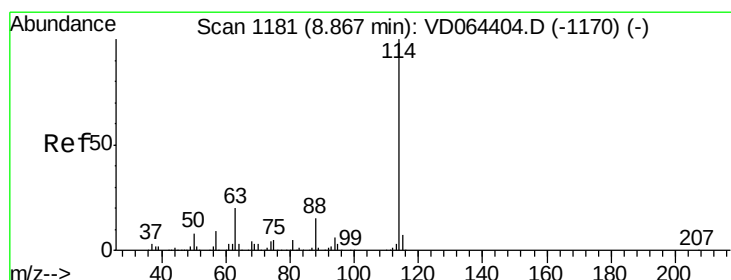
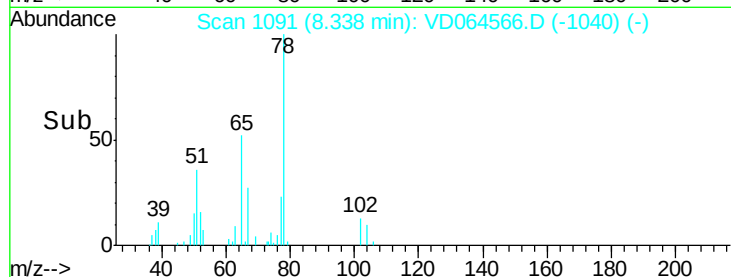
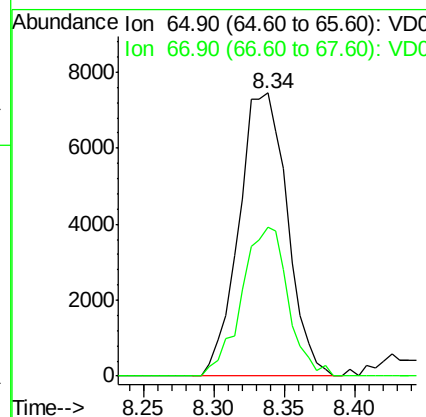
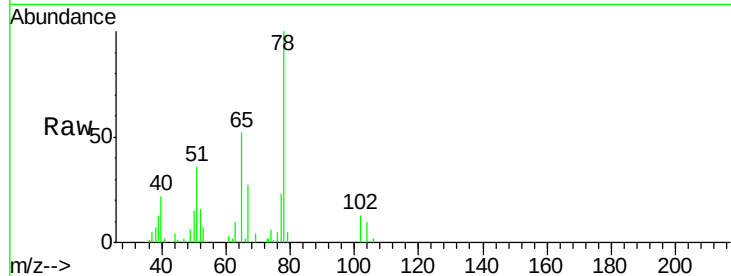
#33
 1,2-Dichloroethane-d4
 Concen: 80.429 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	102.0

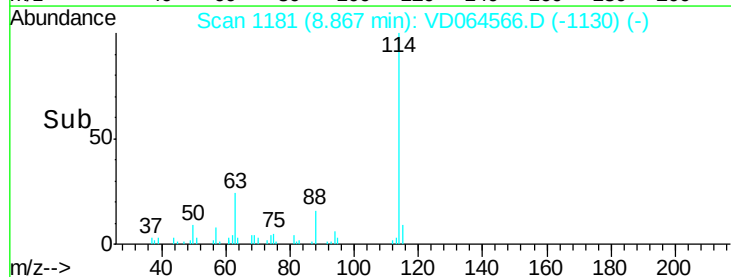
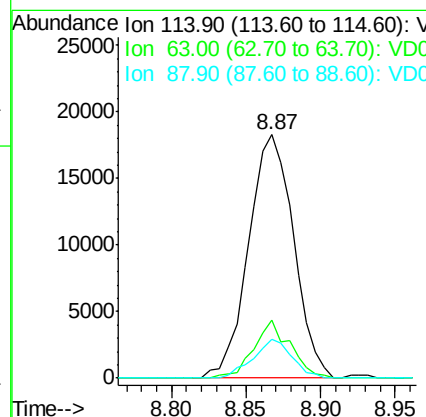
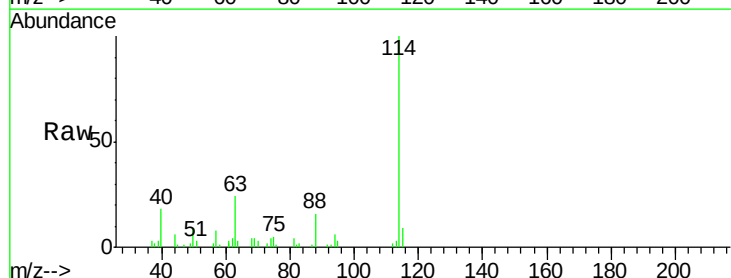
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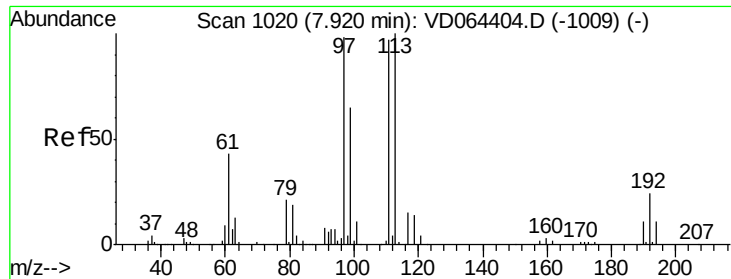
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	40.0
88	15.9	0.0	29.2





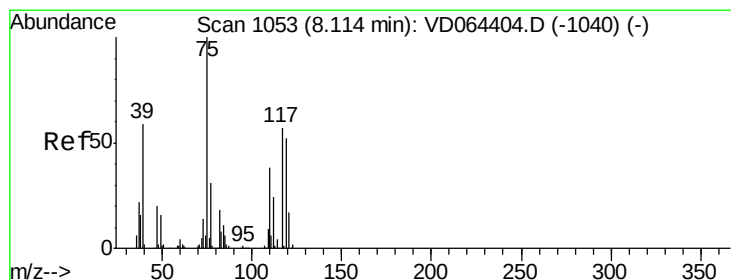
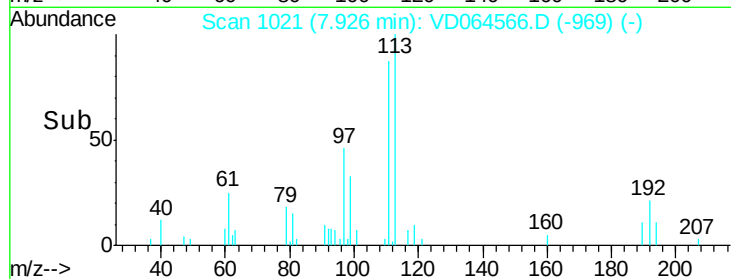
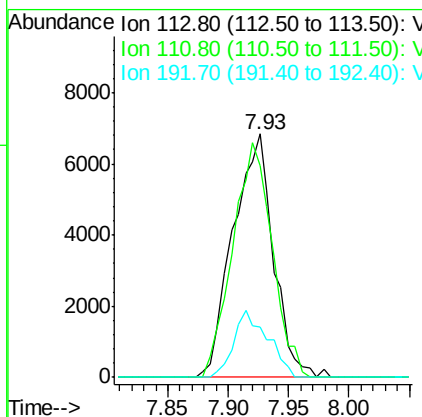
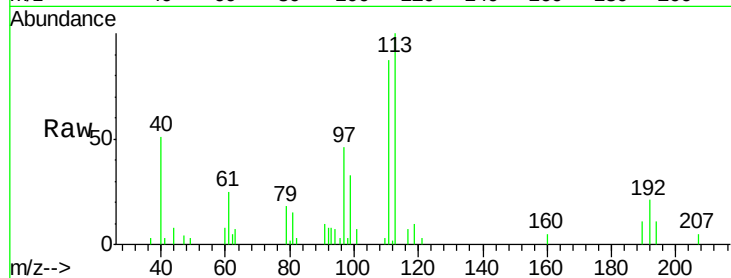
#35
 Dibromofluoromethane
 Concen: 66.151 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	94.7	79.4	119.2
192	23.2	18.6	28.0

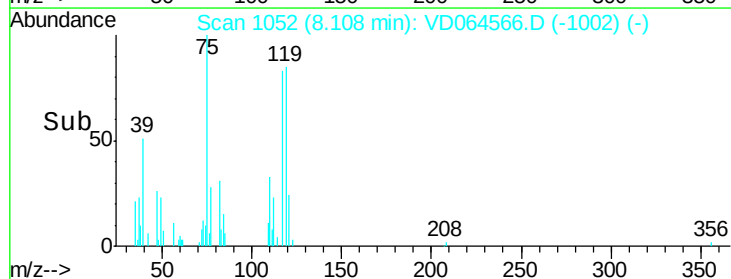
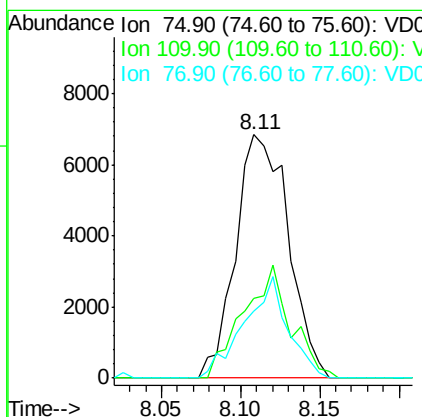
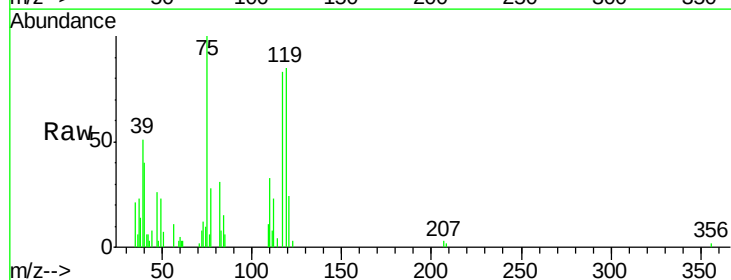
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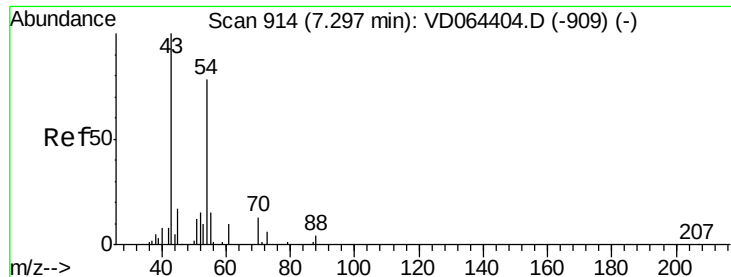
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#36
 1,1-Dichloropropene
 Concen: 43.831 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	41.8	18.6	55.8
77	34.5	25.0	37.4





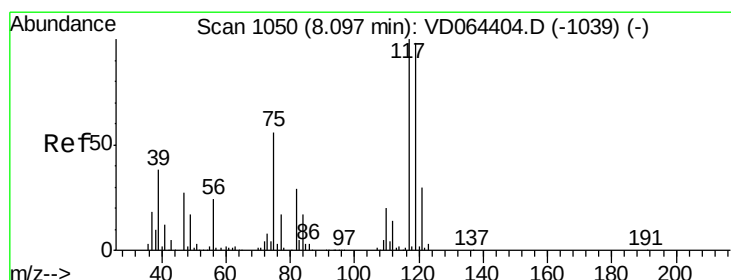
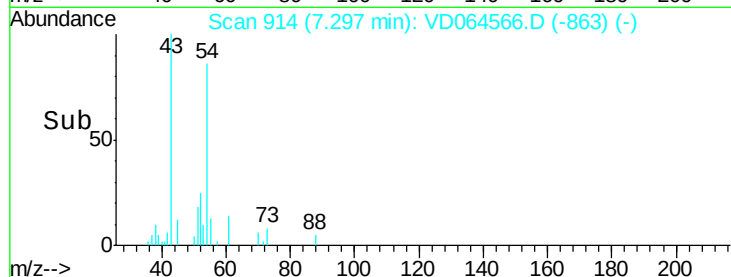
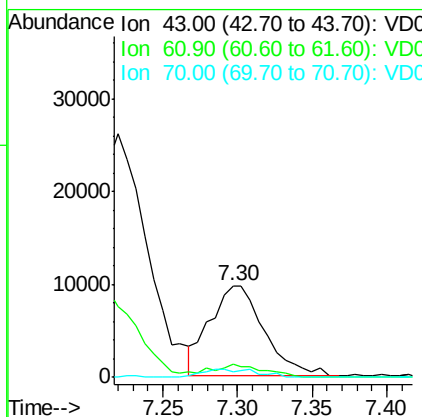
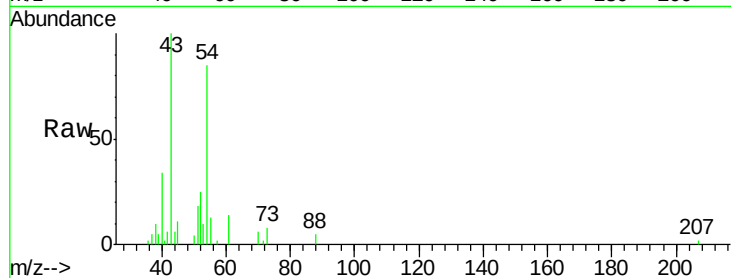
#37
Ethyl Acetate
Concen: 159.629 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.9	16.3
70	5.1	8.3	12.5

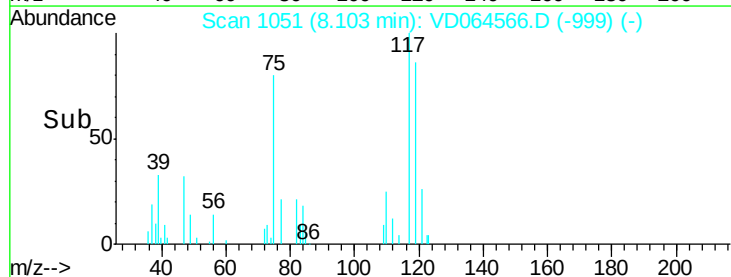
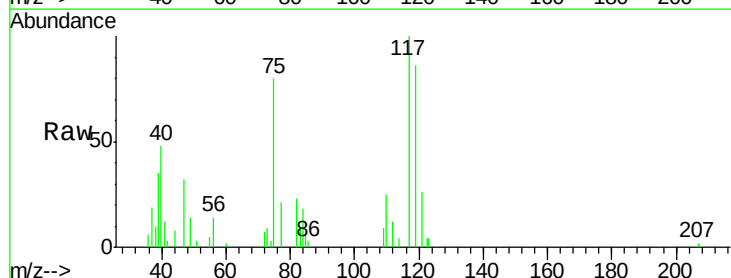
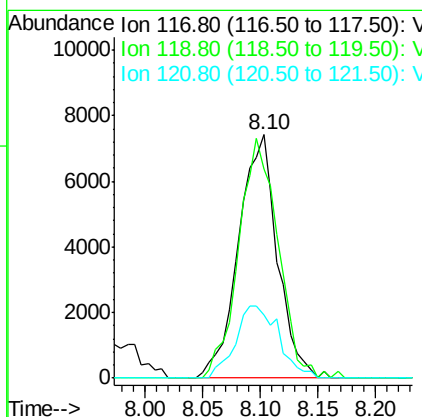
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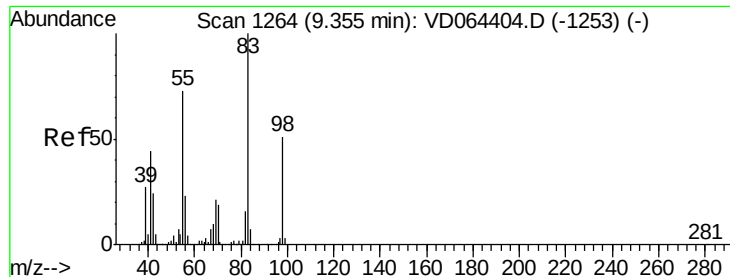
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#38
Carbon Tetrachloride
Concen: 45.486 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	85.9	78.8	118.2
121	26.0	24.2	36.2





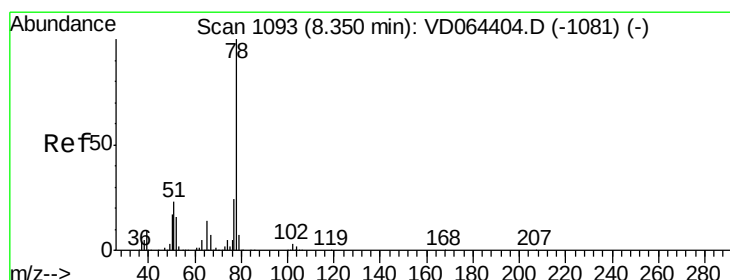
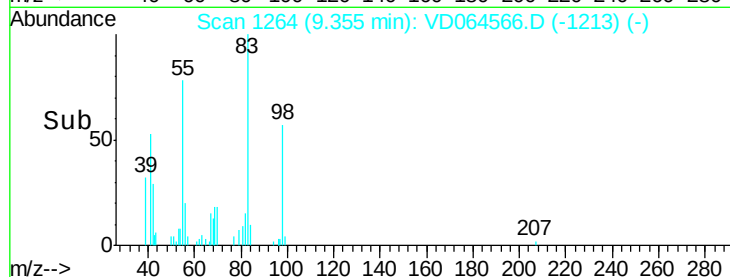
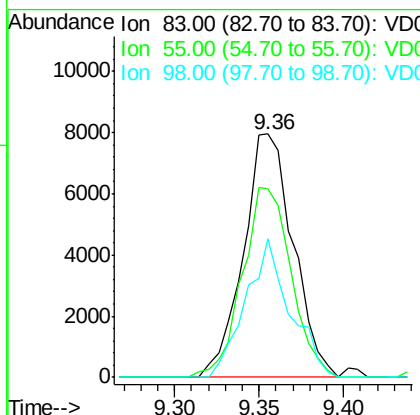
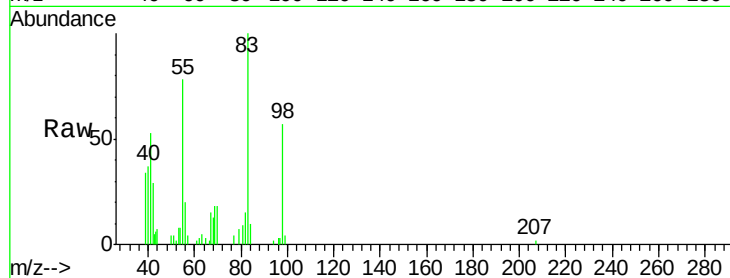
#39
Methylvlcyclohexane
Concen: 36.358 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	58.6	87.8
98	56.9	40.9	61.3

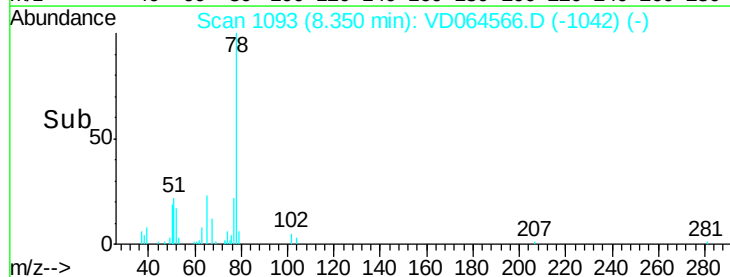
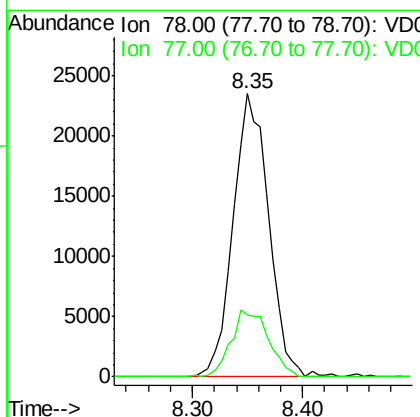
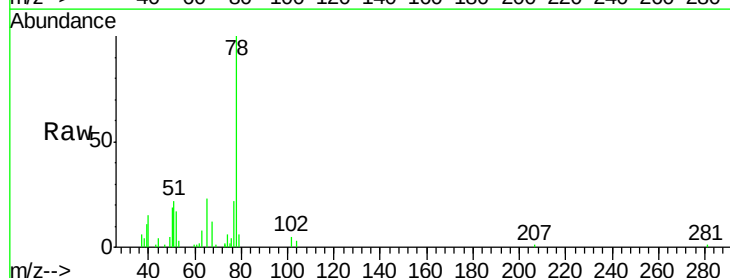
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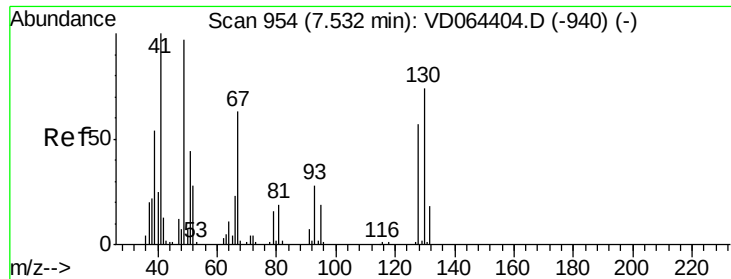
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#40
Benzene
Concen: 53.015 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.6	29.4





#41

Methacrylonitrile

Concen: 130.702 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

Tot Ion: 41 Resp: 11478

Ion Ratio Lower Upper

41 100

39 83.1 44.6 67.0#

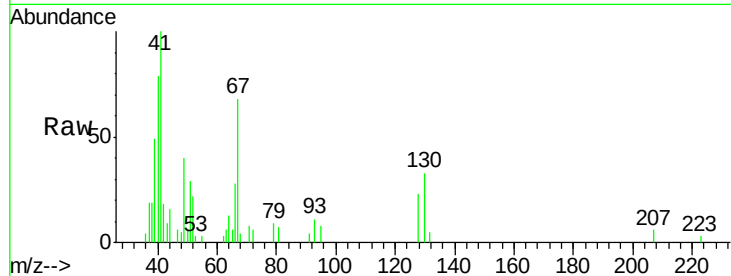
67 0.0 50.9 76.3#

52 0.0 22.5 33.7#

Manual Integrations
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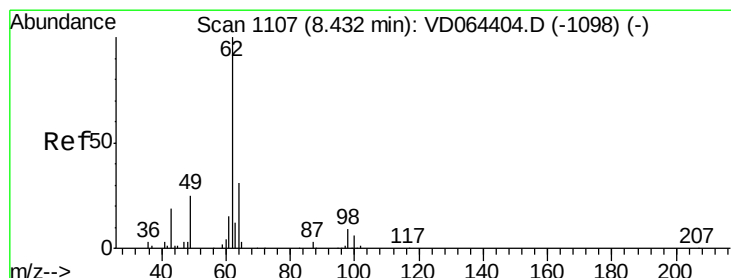
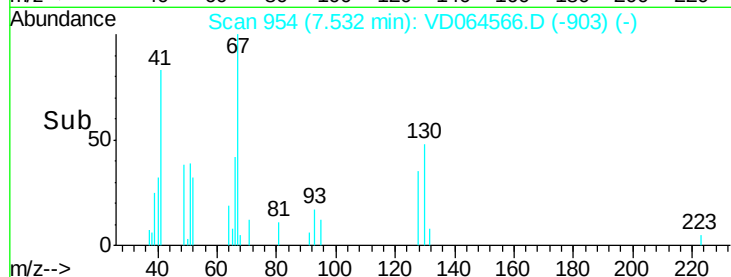
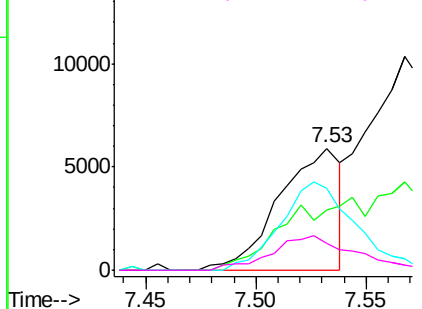


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 82.476 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064566.D

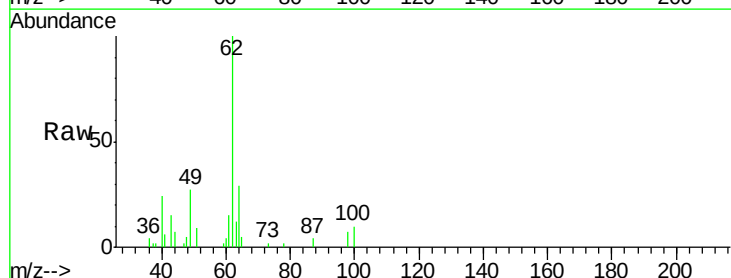
Acq: 23 Dec 2019 14:09

Tgt Ion: 62 Resp: 24108

Ion Ratio Lower Upper

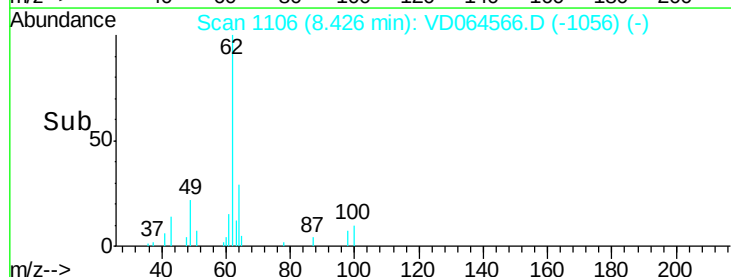
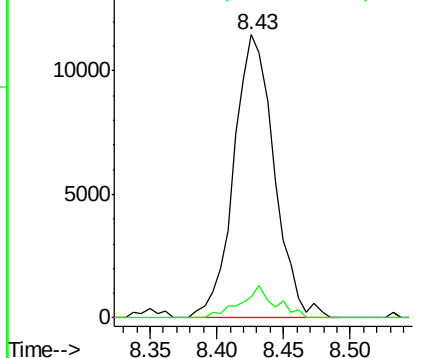
62 100

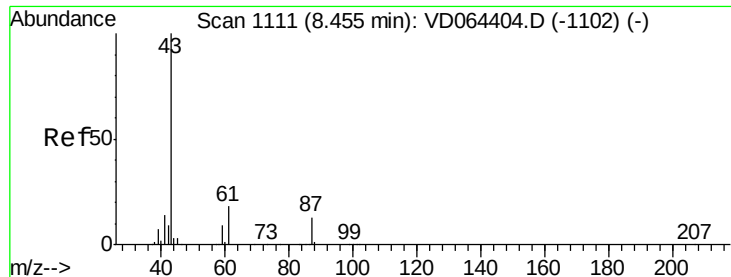
98 9.7 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 122.019 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

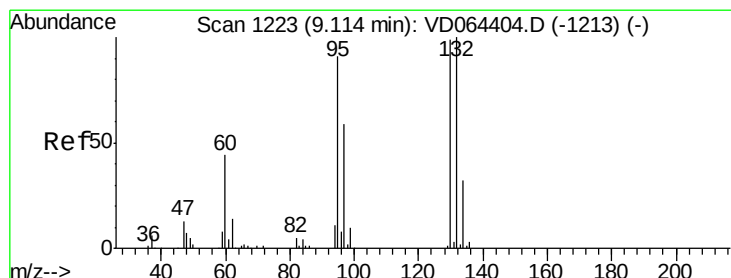
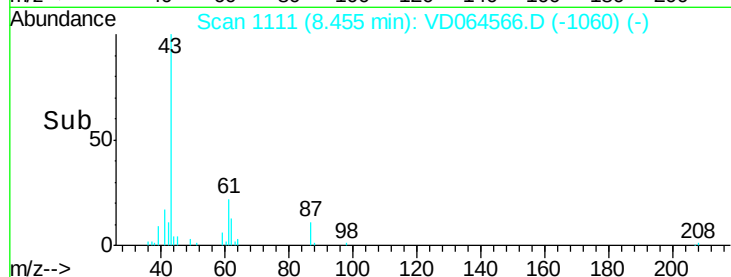
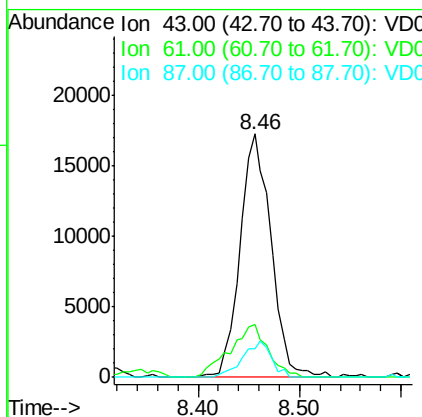
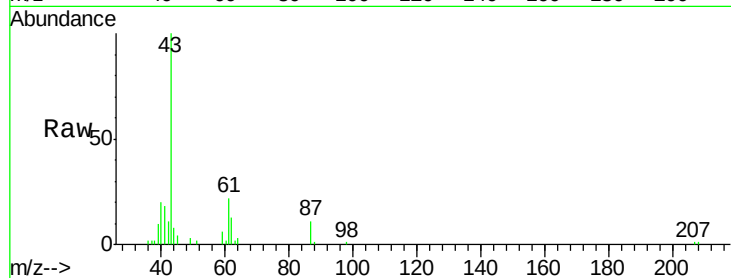
ClientSampleId :

SB-2-(4-5)MS

Tot Ion:	43	Resp:	36738
Ion	Ratio	Lower	Upper
43	100		
61	26.6	24.0	36.0
87	13.7	10.6	15.8

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#44

Trichloroethene

Concen: 51.065 ug/l

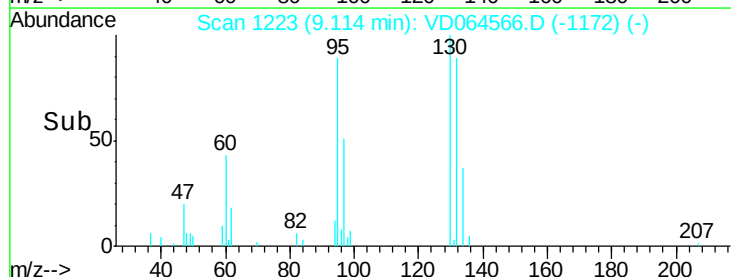
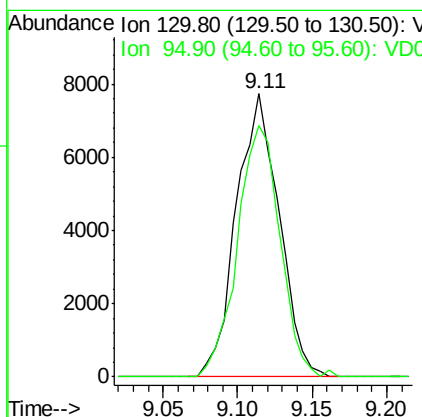
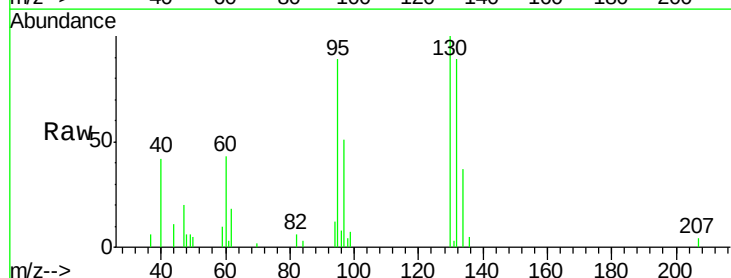
RT: 9.11 min Scan# 1223

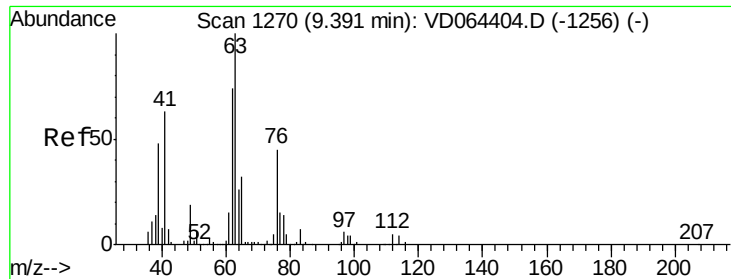
Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Tgt Ion:	130	Resp:	15418
Ion	Ratio	Lower	Upper
130	100		
95	89.0	0.0	184.6





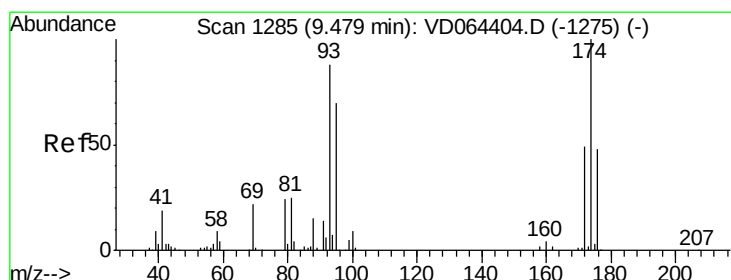
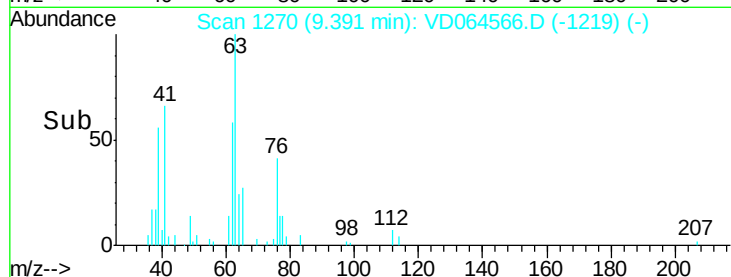
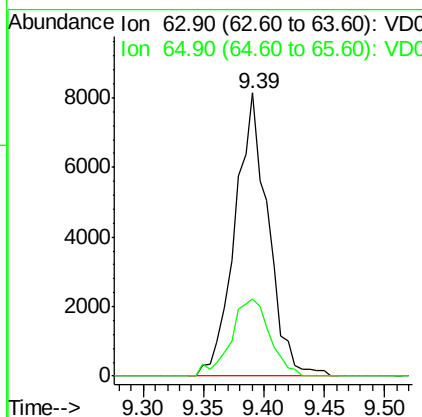
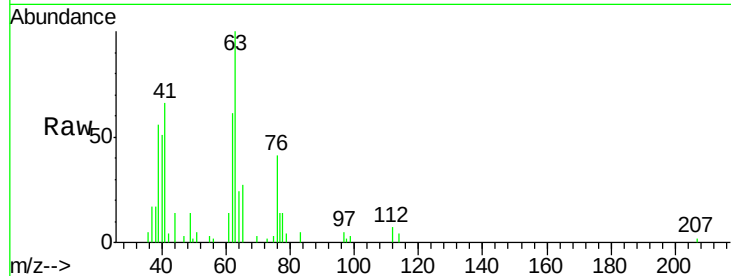
#45
 1,2-Dichloropropane
 Concen: 65.032 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Tot Ion: 63 Resp: 15589
 Ion Ratio Lower Upper
 63 100
 65 27.3 25.4 38.0

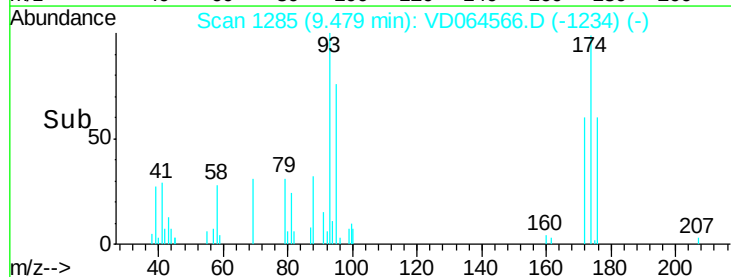
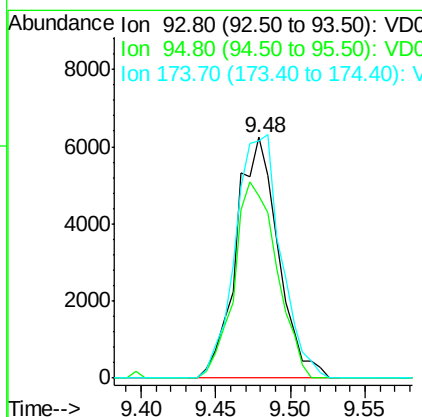
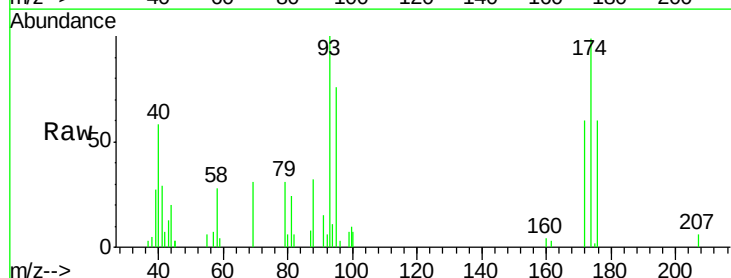
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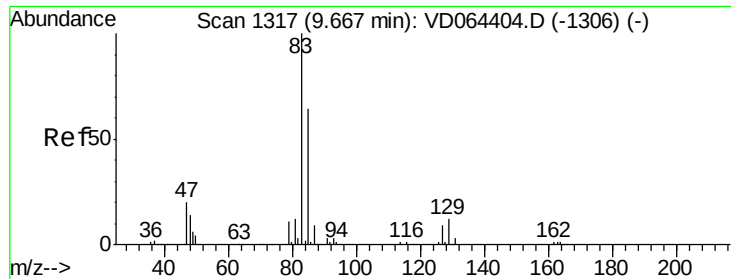
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#46
 Dibromomethane
 Concen: 90.144 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Tgt Ion: 93 Resp: 12196
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.7 100.1
 174 109.3 92.3 138.5





#47

Bromodichloromethane

Concen: 68.572 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

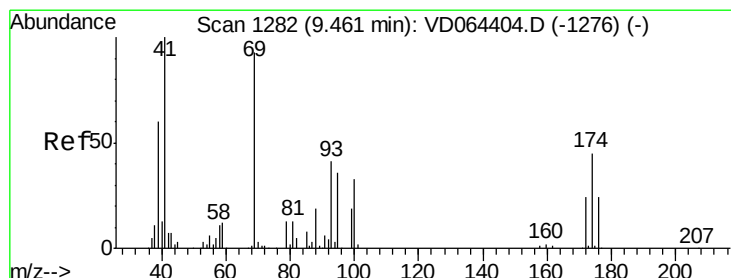
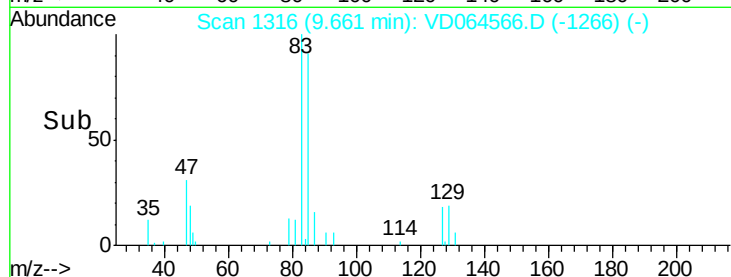
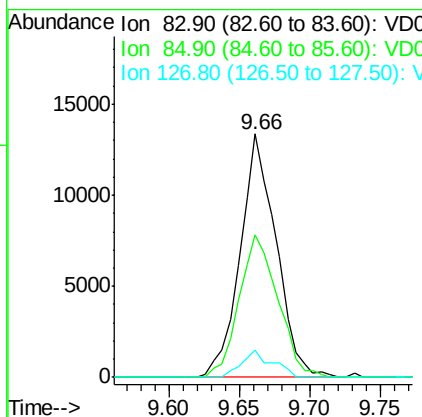
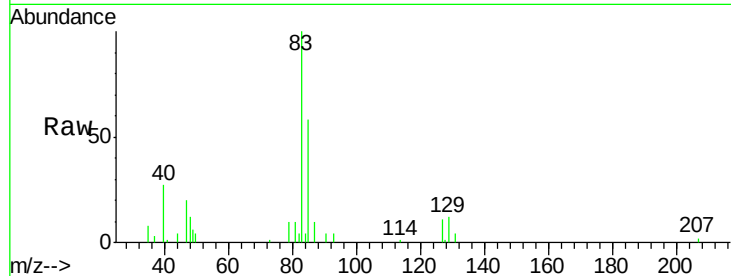
ClientSampleId :

SB-2-(4-5)MS

Tot Ion:	83	Resp:	23838
Ion	Ratio	Lower	Upper
83	100		
85	58.3	51.1	76.7
127	11.2	7.4	11.0#

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#48

Methyl methacrylate

Concen: 136.012 ug/l

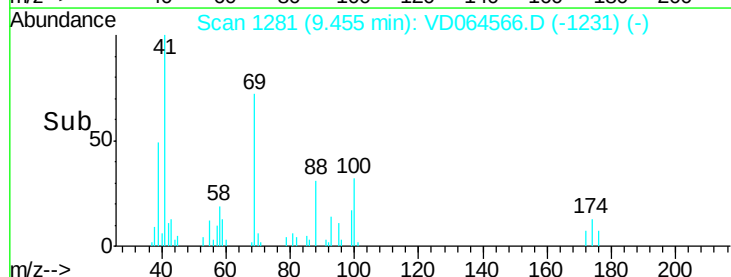
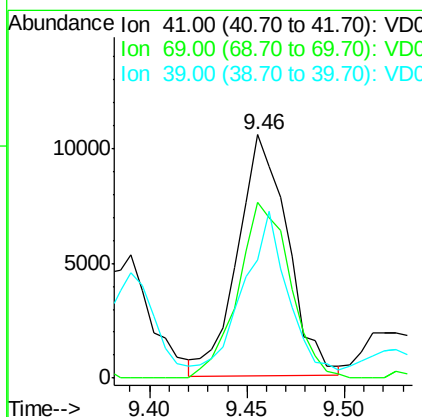
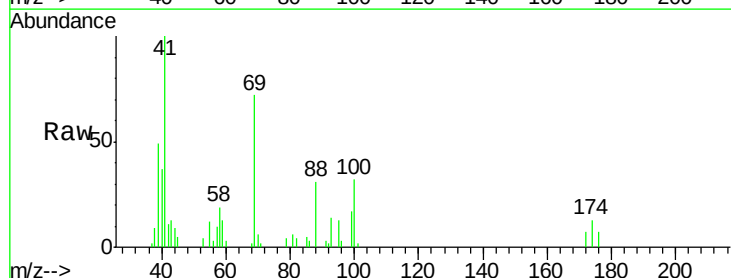
RT: 9.46 min Scan# 1281

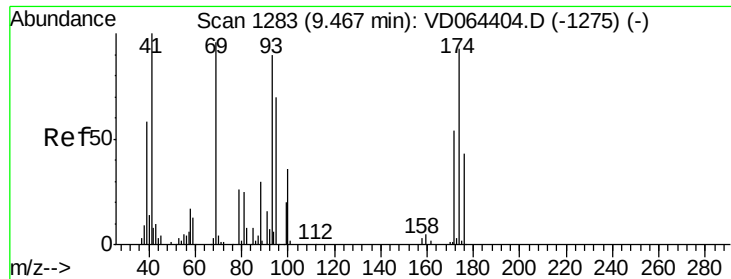
Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Tgt Ion:	41	Resp:	18739
Ion	Ratio	Lower	Upper
41	100		
69	75.5	72.0	108.0
39	63.7	55.2	82.8





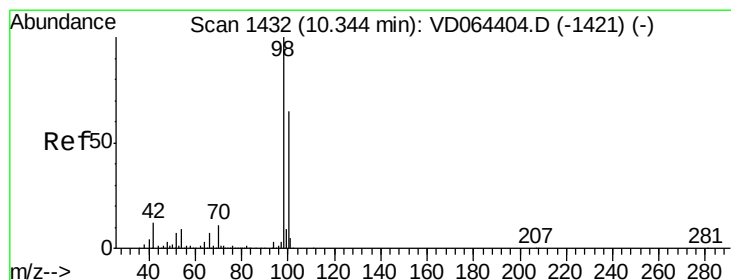
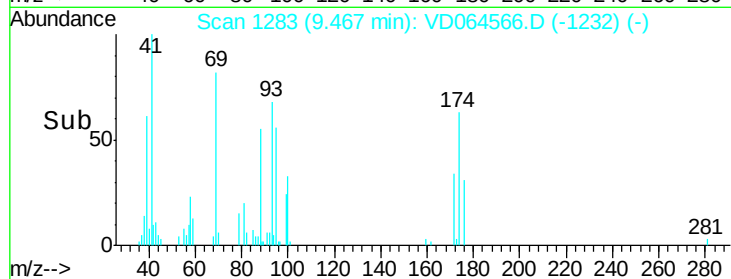
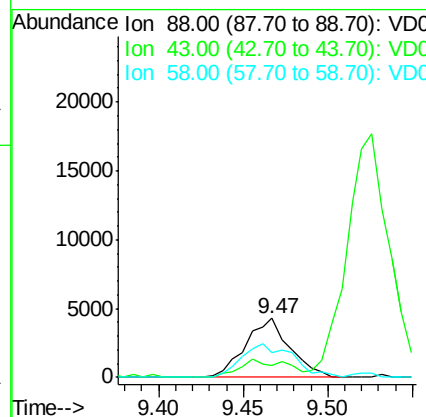
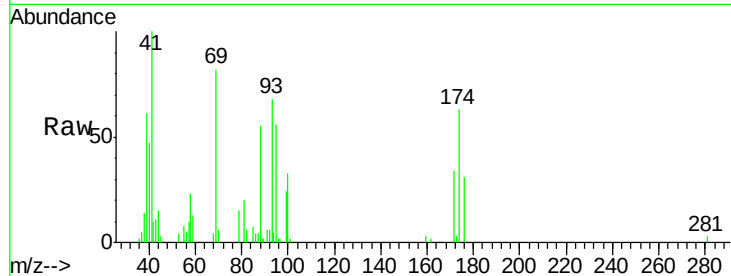
#49
1,4-Dioxane
Concen: 4662.747 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	26.7	40.1
58	65.3	52.3	78.5

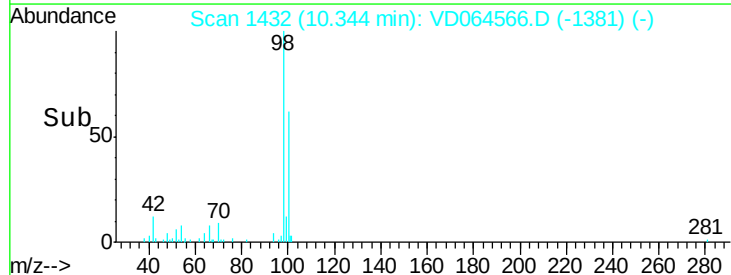
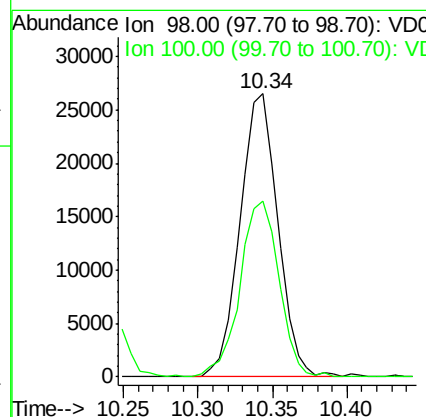
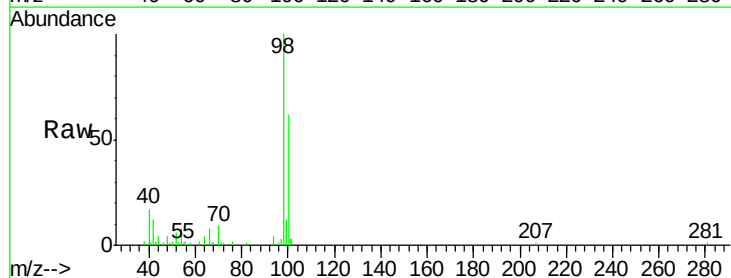
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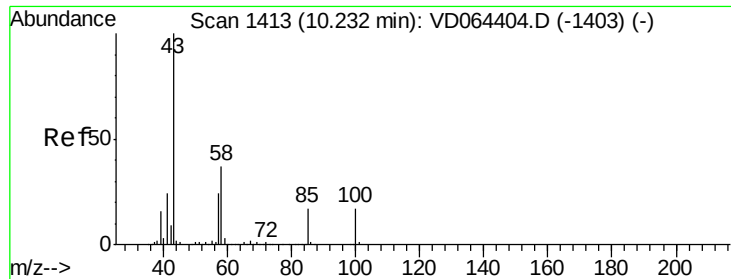
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#50
Toluene-d8
Concen: 51.507 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.6	79.0





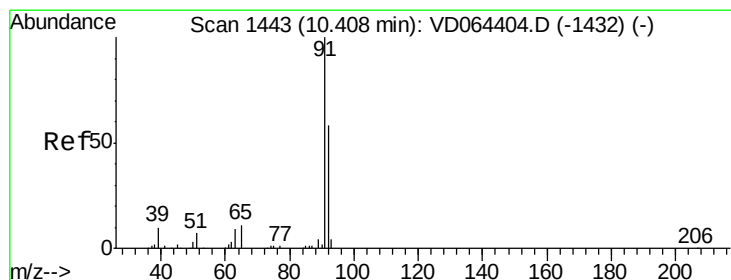
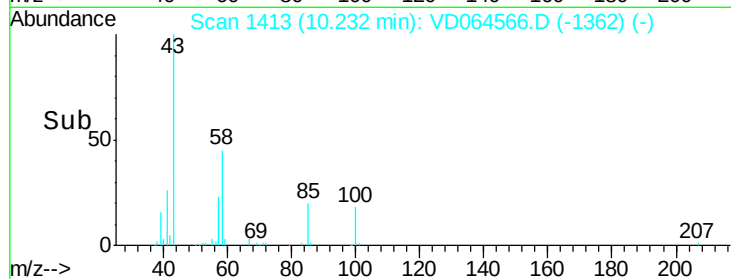
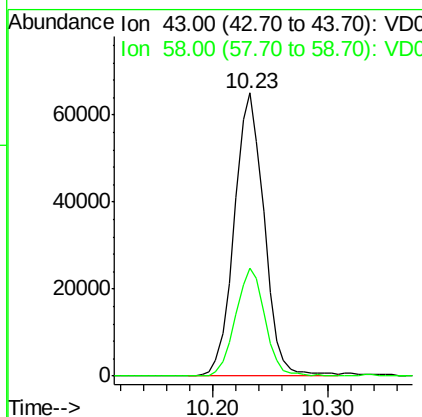
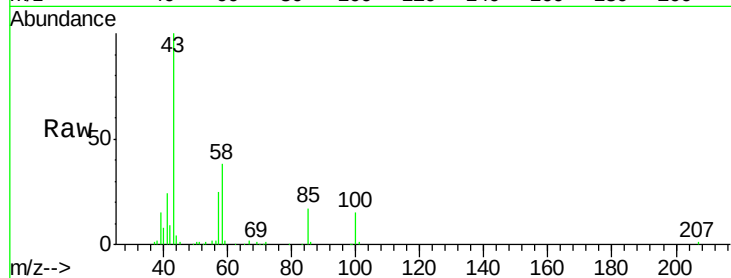
#51
 4-Methyl-2-Pentanone
 Concen: 784.078 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Tot Ion: 43 Resp: 116807
 Ion Ratio Lower Upper
 43 100
 58 37.6 30.6 46.0

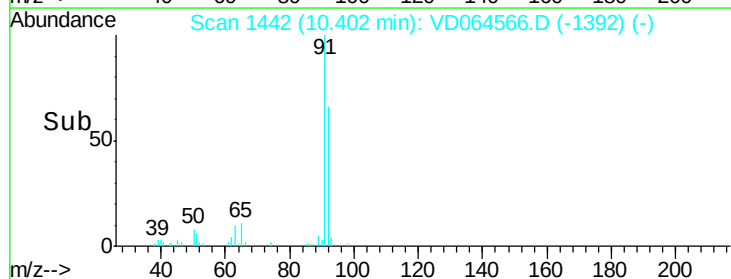
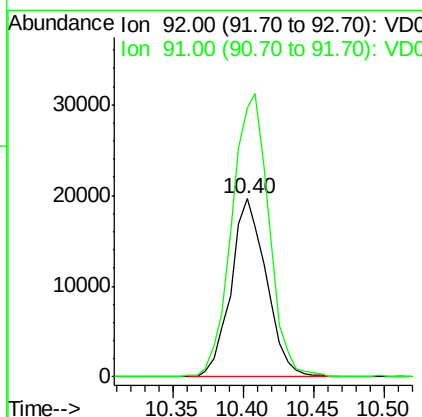
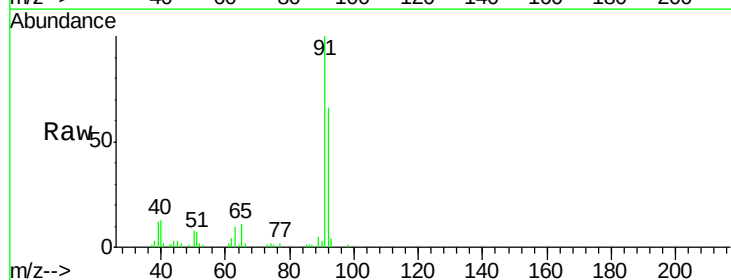
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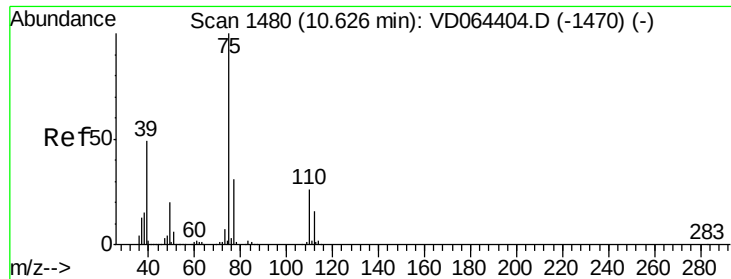
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#52
 Toluene
 Concen: 52.685 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Tgt Ion: 92 Resp: 34415
 Ion Ratio Lower Upper
 92 100
 91 166.0 137.8 206.6





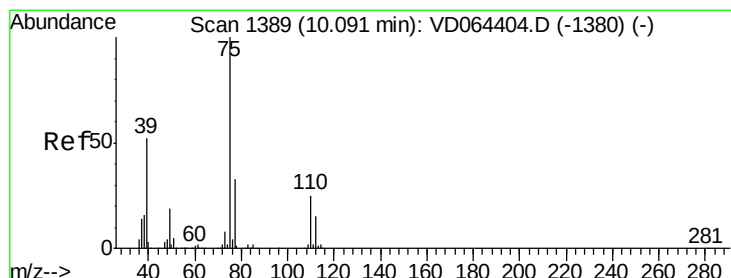
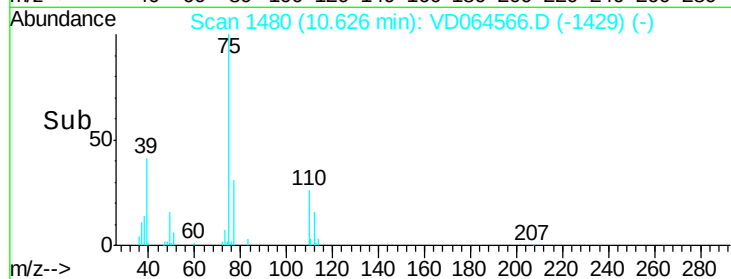
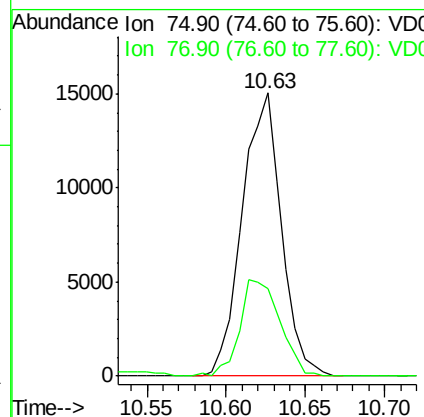
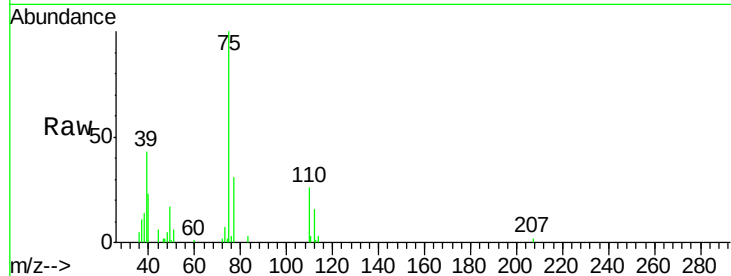
#53
t-1,3-Dichloropropene
Concen: 77.632 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.0	37.4

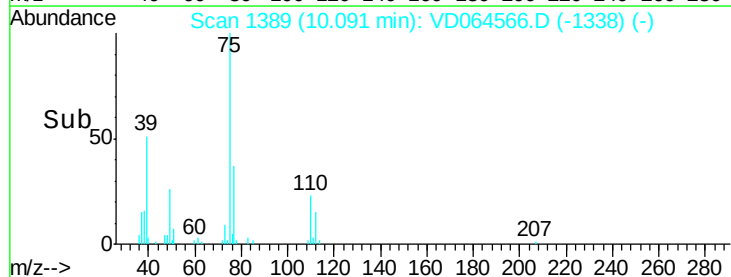
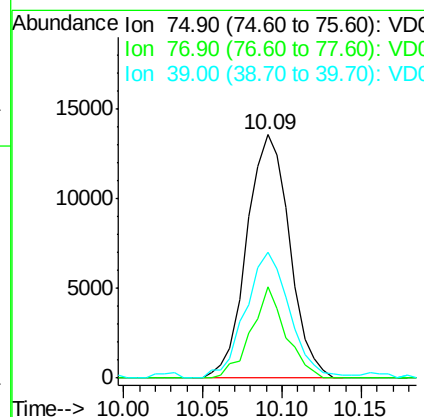
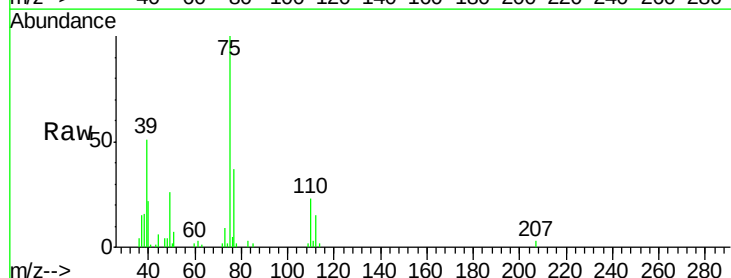
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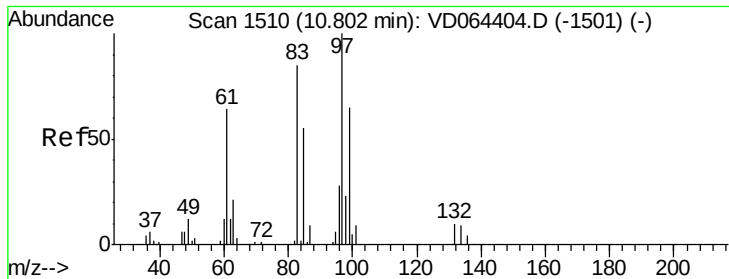
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#54
cis-1,3-Dichloropropene
Concen: 64.621 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	37.3	26.1	39.1
39	51.5	41.5	62.3





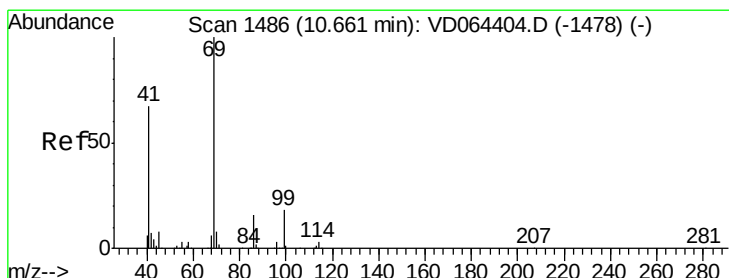
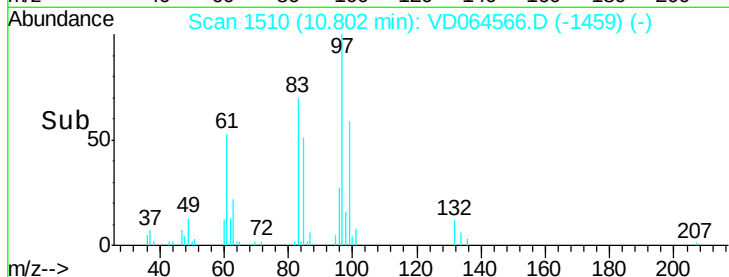
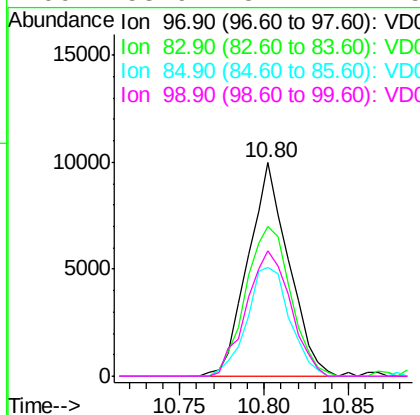
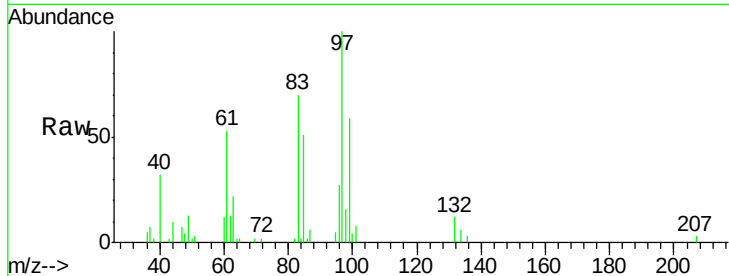
#55
 1,1,2-Trichloroethane
 Concen: 90.161 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Tot Ion:	97	Resp:	16703
Ion	Ratio	Lower	Upper
97	100		
83	70.3	67.8	101.8
85	50.7	43.7	65.5
99	58.9	51.7	77.5

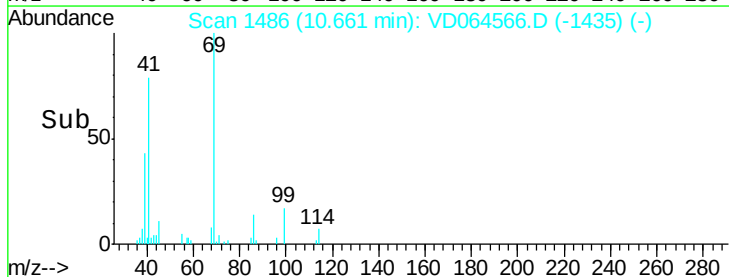
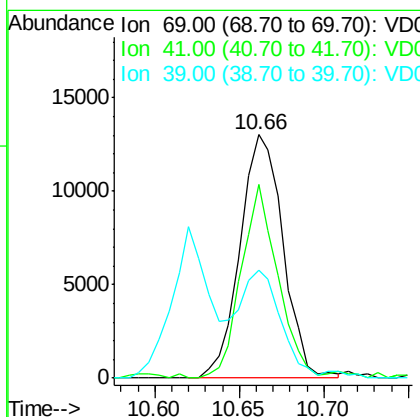
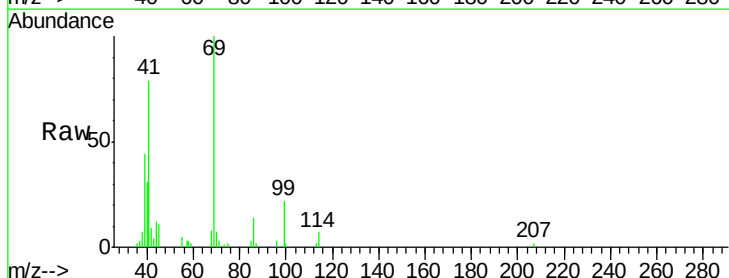
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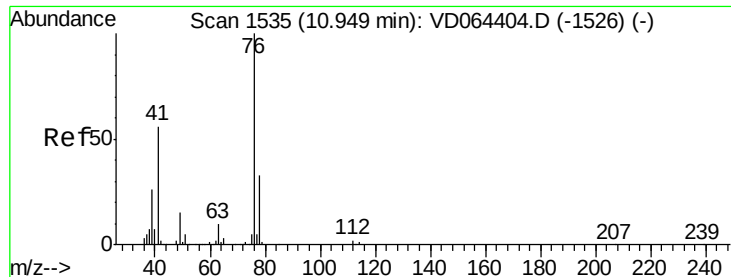
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#56
 Ethyl methacrylate
 Concen: 97.594 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Tgt Ion:	69	Resp:	23060
Ion	Ratio	Lower	Upper
69	100		
41	68.1	55.0	82.4
39	43.1	33.0	49.6





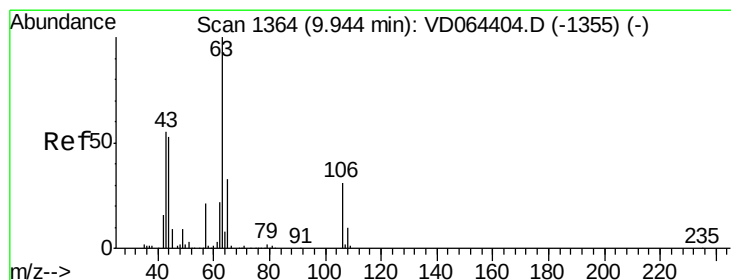
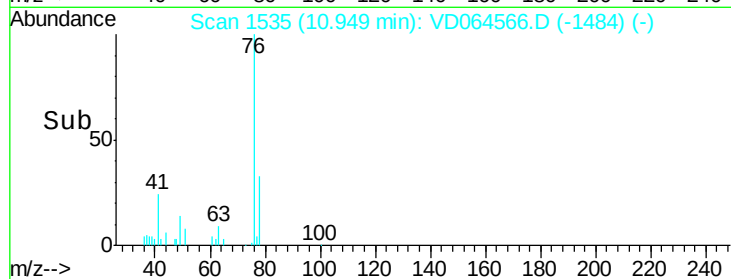
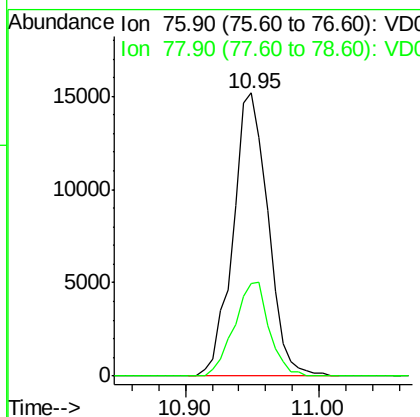
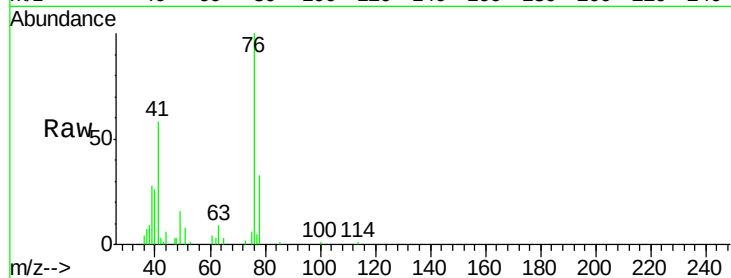
#57
 1,3-Dichloropropane
 Concen: 87.371 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Tot Ion: 76 Resp: 27553
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.0 39.0

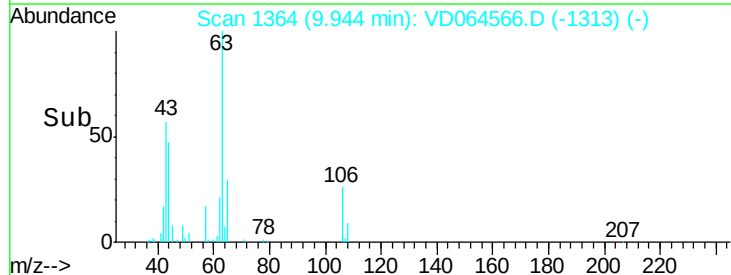
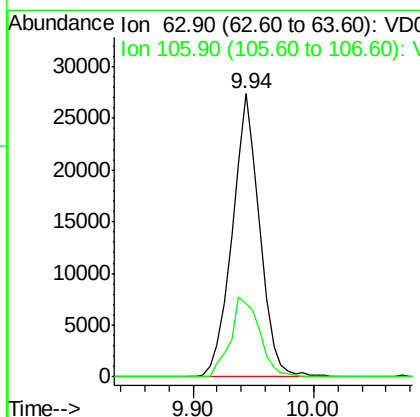
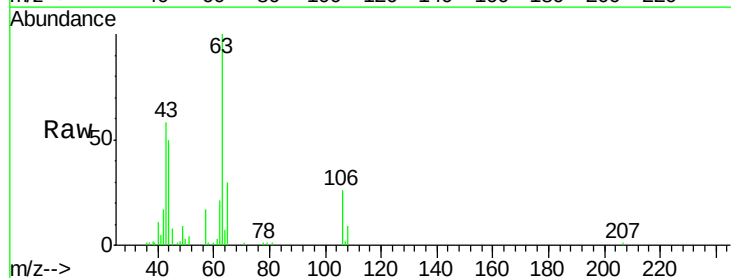
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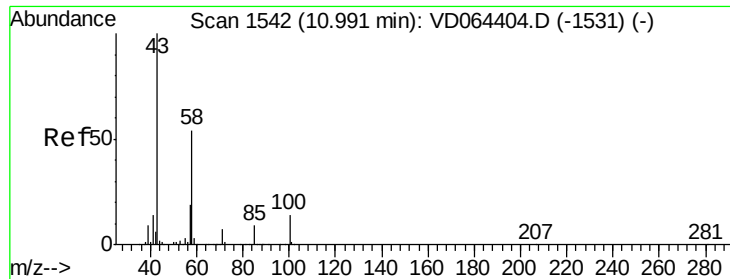
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#58
 2-Chloroethyl Vinyl ether
 Concen: 459.169 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Tgt Ion: 63 Resp: 43250
 Ion Ratio Lower Upper
 63 100
 106 29.9 24.2 36.4





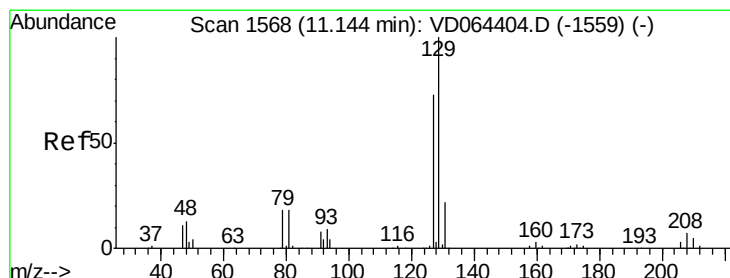
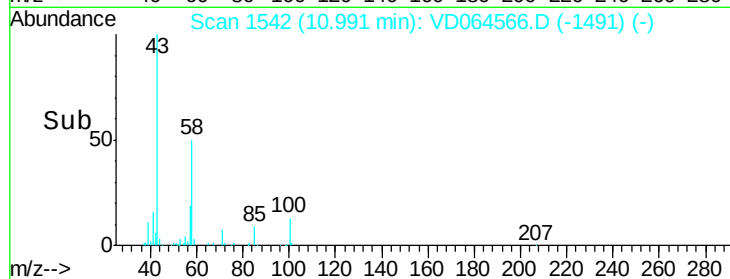
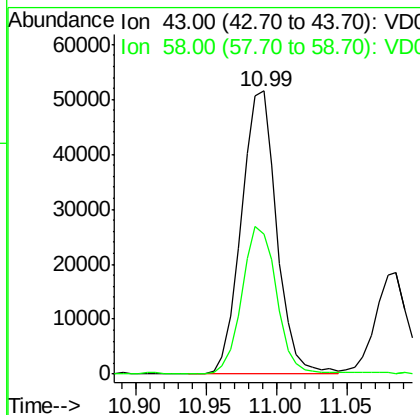
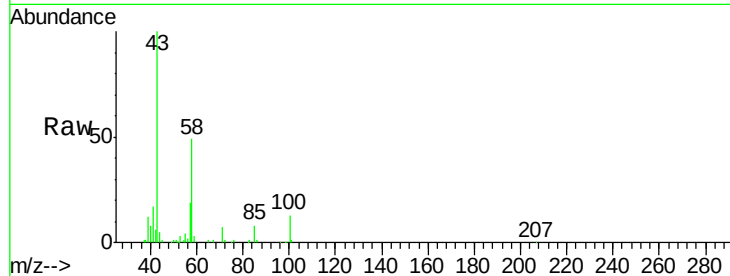
#59
2-Hexanone
Concen: 875.726 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion	43	Resp	90525
Ion Ratio	100	Lower	Upper
43	100		
58	51.2	26.3	78.8

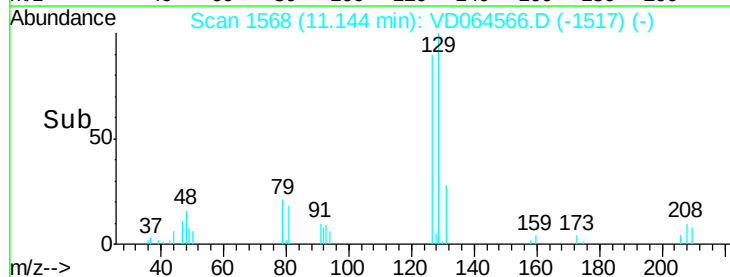
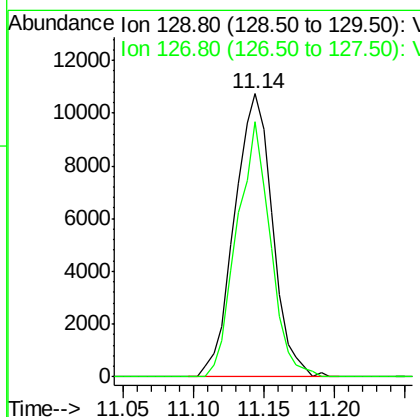
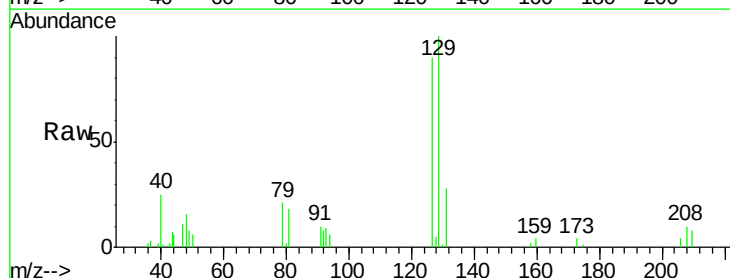
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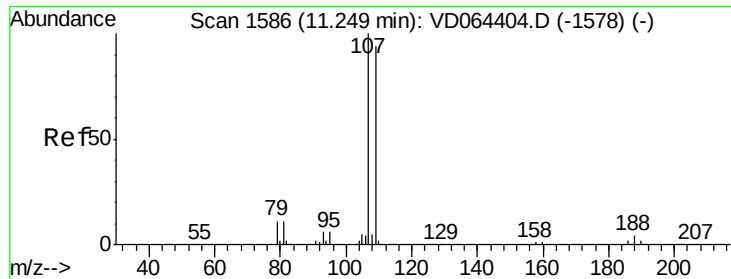
apatel
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#60
Dibromochloromethane
Concen: 80.345 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion	129	Resp	20181	
Ion Ratio	129	100	Lower	Upper
129	100			
127	79.6	38.1	114.3	





#61

1,2-Dibromoethane

Concen: 96.496 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

Tot Ion:107 Resp: 17849

Ion Ratio Lower Upper

107 100

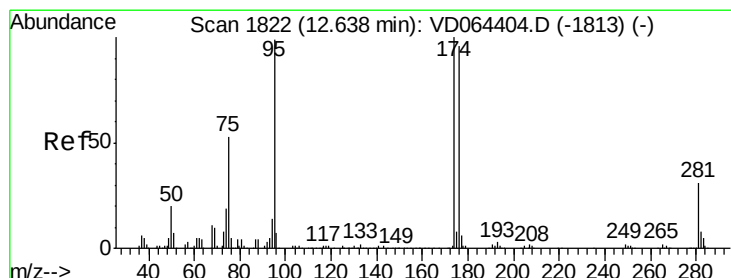
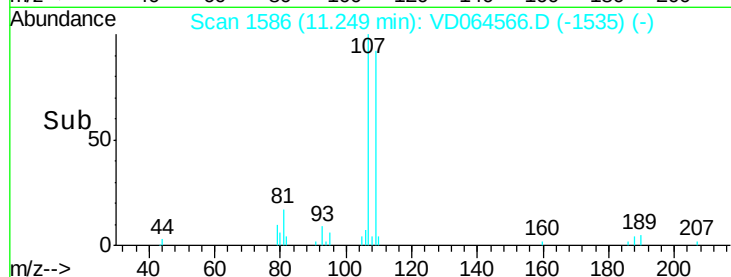
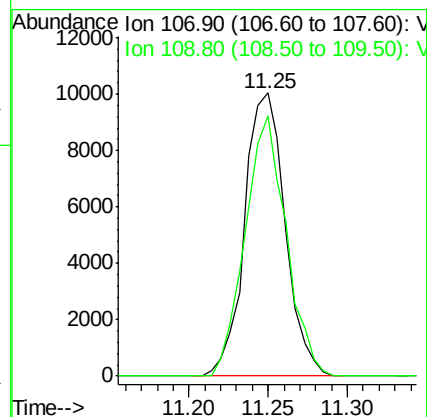
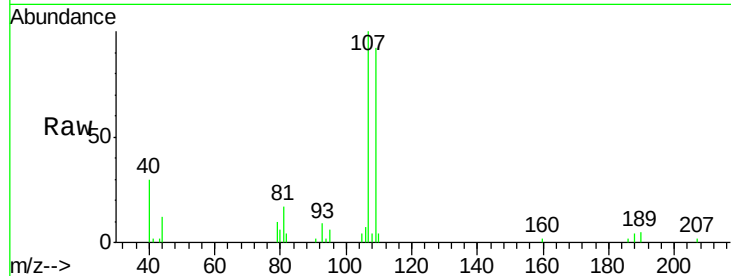
109 93.2 76.2 114.2

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#62

4-Bromofluorobenzene

Concen: 61.672 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

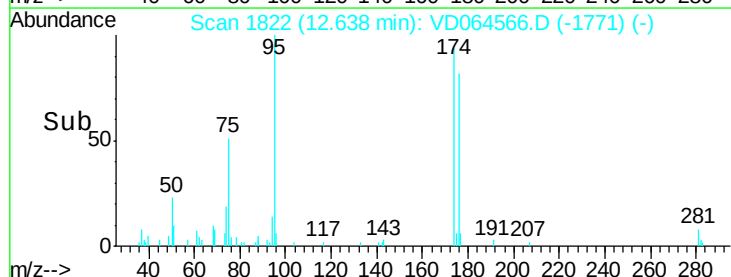
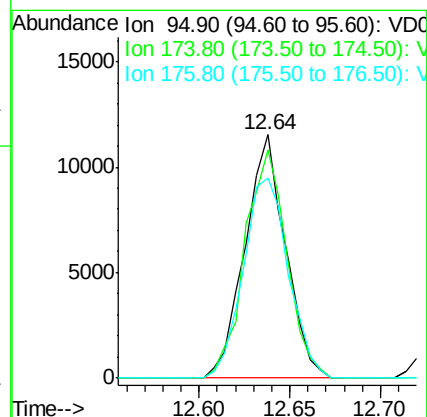
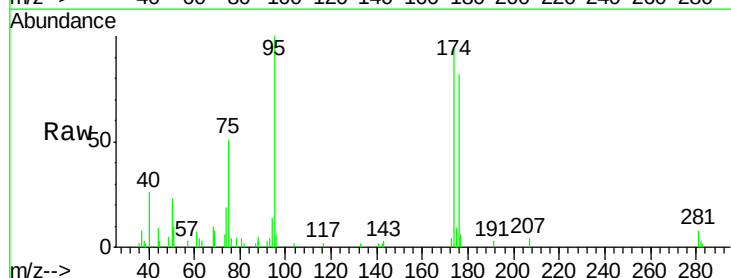
Tgt Ion: 95 Resp: 17947

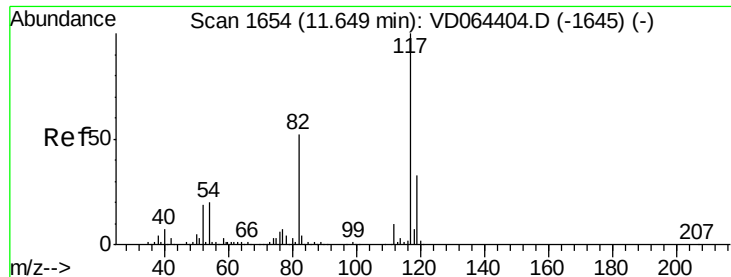
Ion Ratio Lower Upper

95 100

174 96.9 0.0 197.2

176 91.4 0.0 189.6





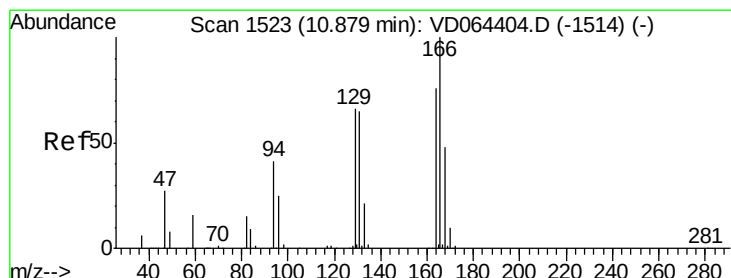
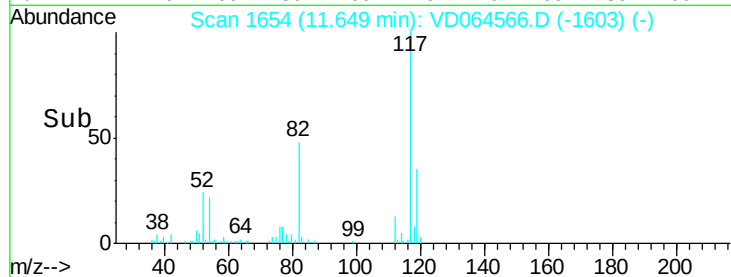
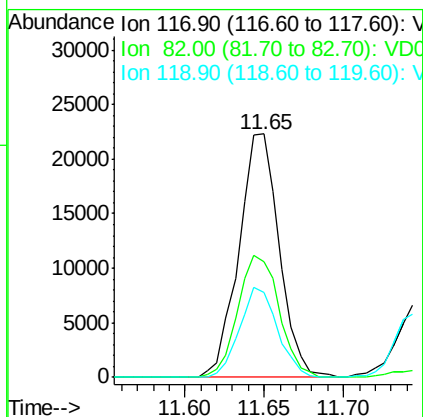
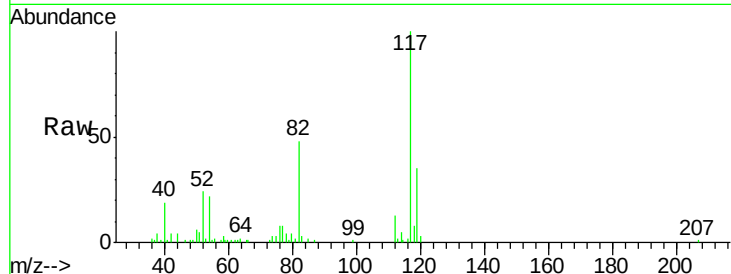
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.7	41.4	62.2
119	35.1	26.2	39.2

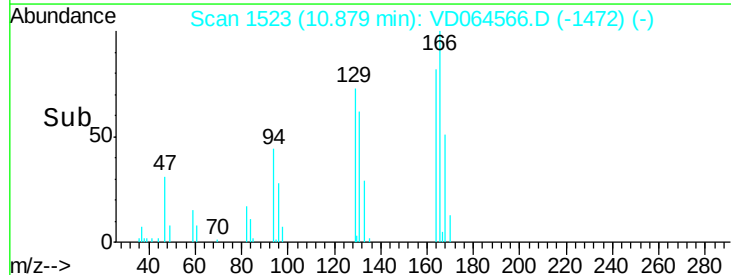
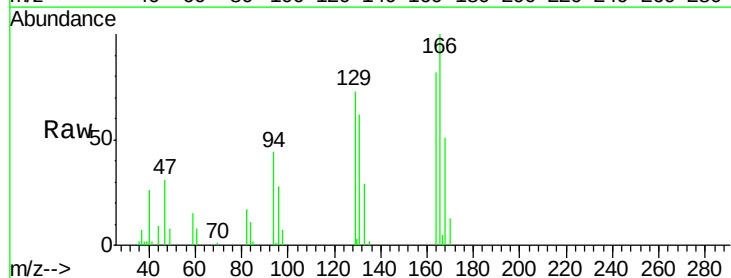
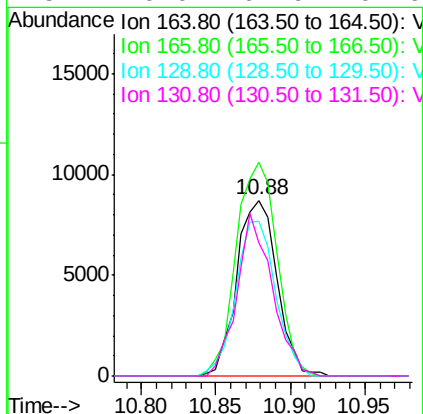
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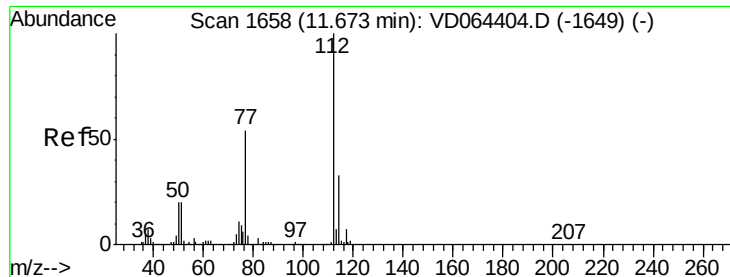
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#64
Tetrachloroethene
Concen: 54.132 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.7	104.8	157.2
129	88.4	68.7	103.1
131	76.0	67.9	101.9





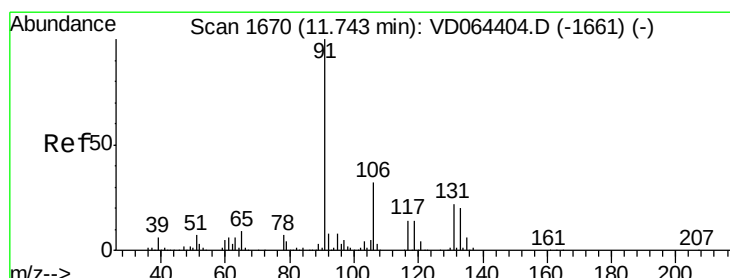
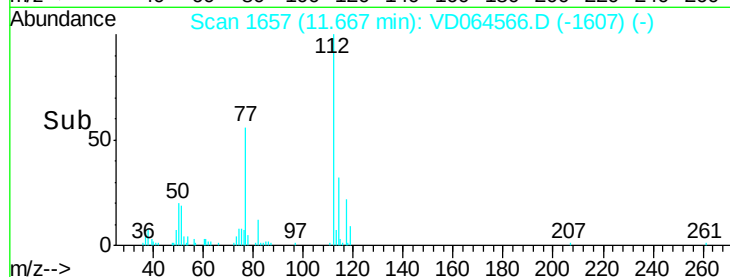
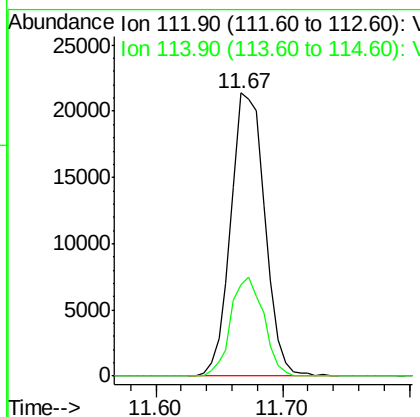
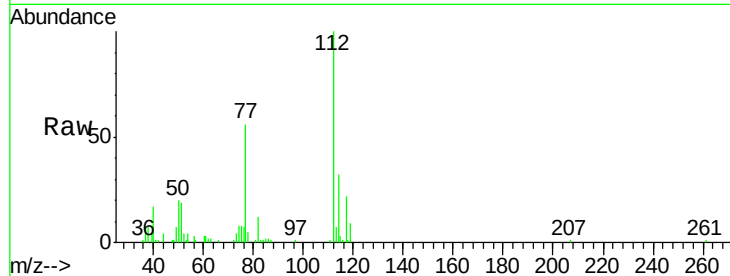
#65
Chlorobenzene
Concen: 48.172 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion:112 Resp: 39702
Ion Ratio Lower Upper
112 100
114 32.1 26.5 39.7

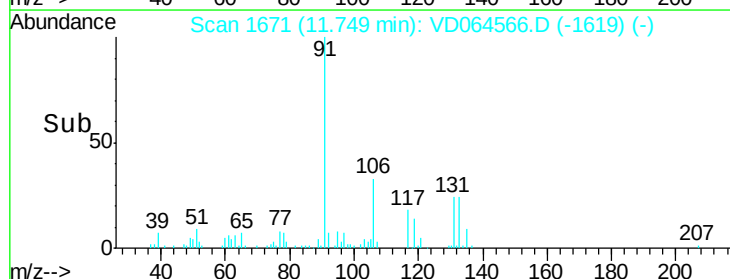
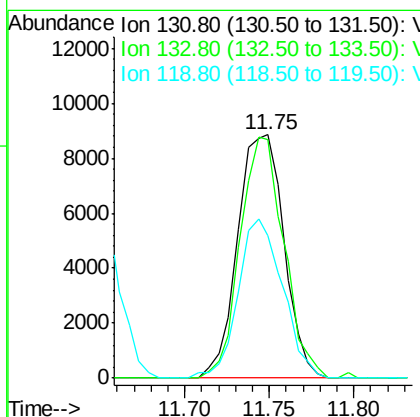
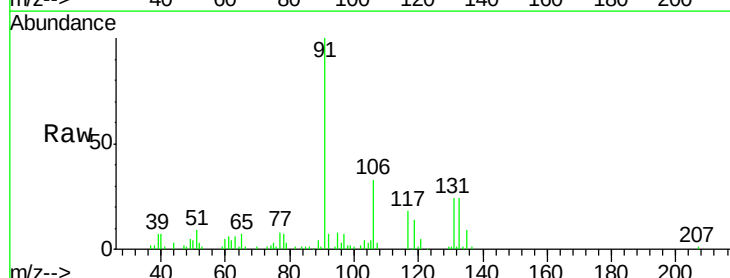
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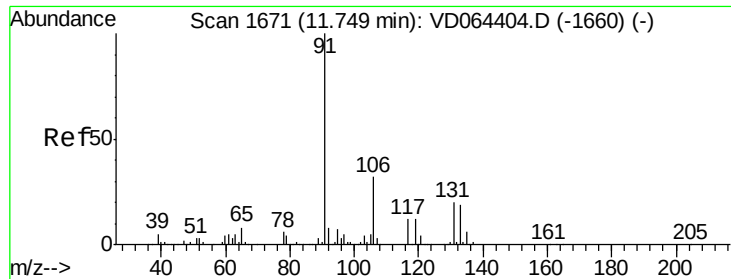
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.326 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion:131 Resp: 16880
Ion Ratio Lower Upper
131 100
133 93.2 48.3 144.9
119 62.9 31.9 95.9





#67

Ethyl Benzene

Concen: 41.700 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

Tot Ion: 91 Resp: 61149

Ion Ratio Lower Upper

91 100

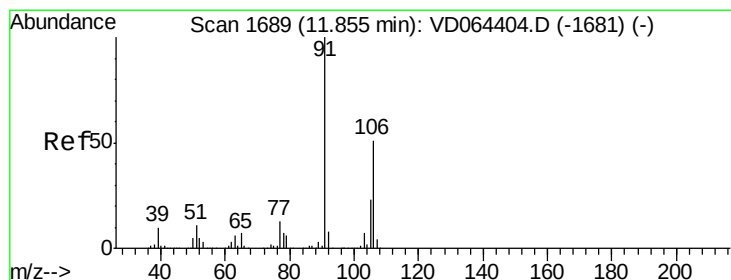
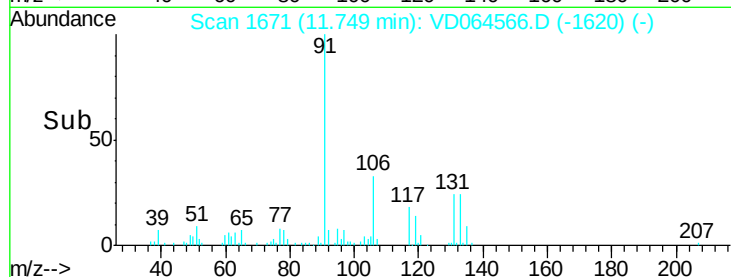
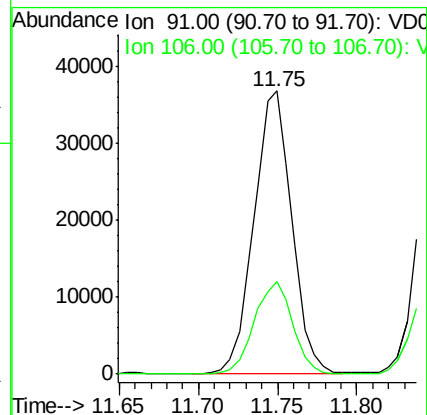
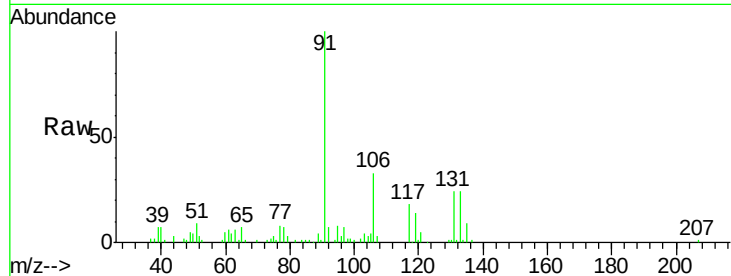
106 32.8 25.8 38.8

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#68

m/p-Xylenes

Concen: 82.438 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064566.D

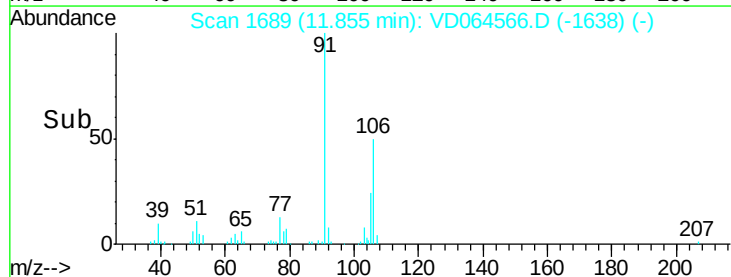
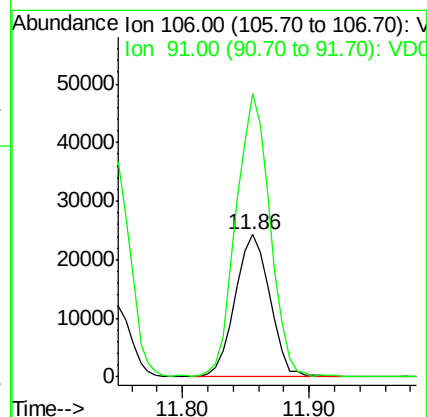
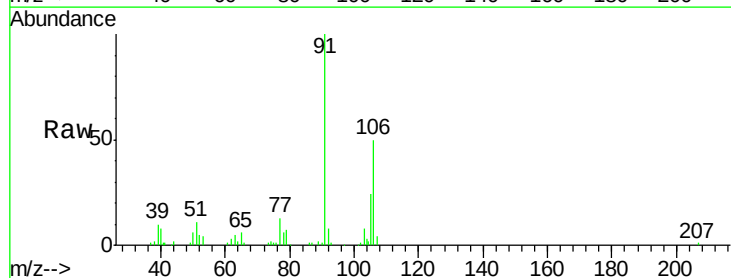
Acq: 23 Dec 2019 14:09

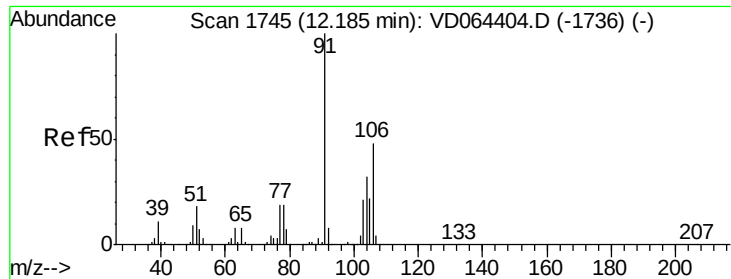
Tgt Ion: 106 Resp: 46093

Ion Ratio Lower Upper

106 100

91 192.1 157.4 236.2





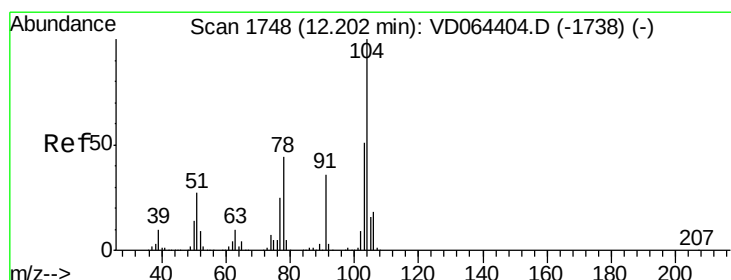
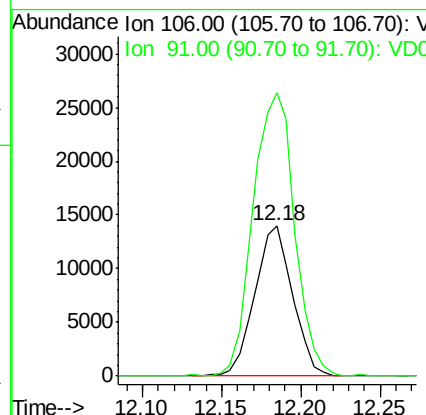
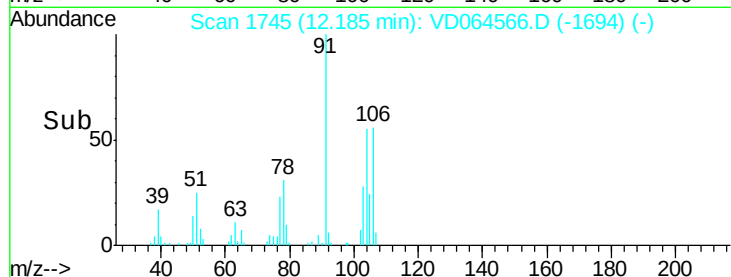
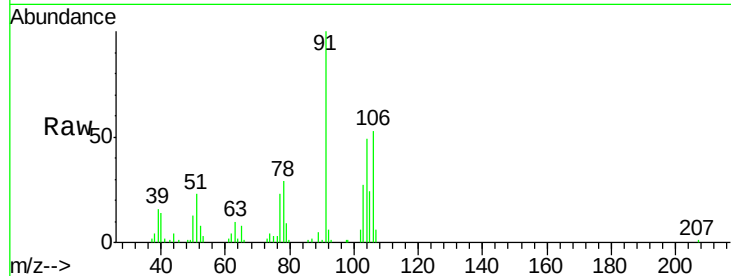
#69
o-Xylene
Concen: 44.965 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion:106 Resp: 23219
Ion Ratio Lower Upper
106 100
91 206.3 103.8 311.4

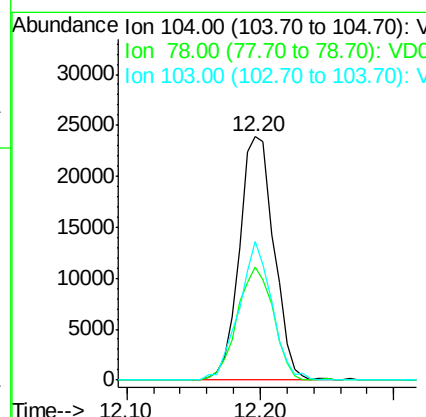
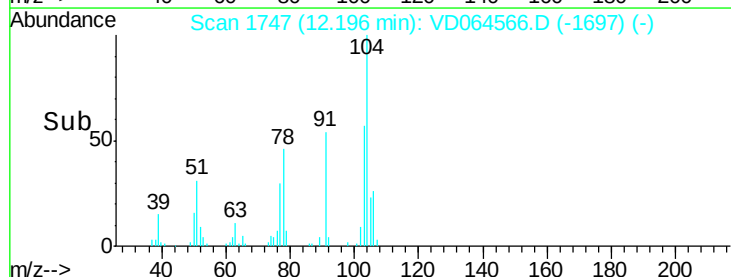
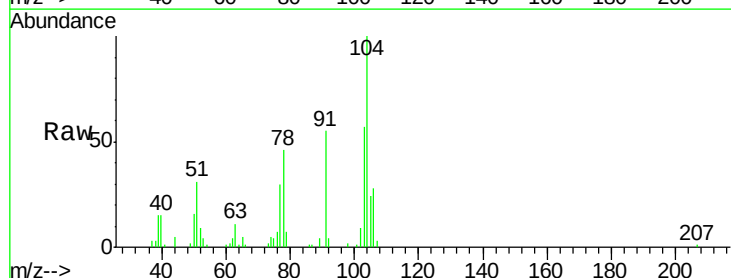
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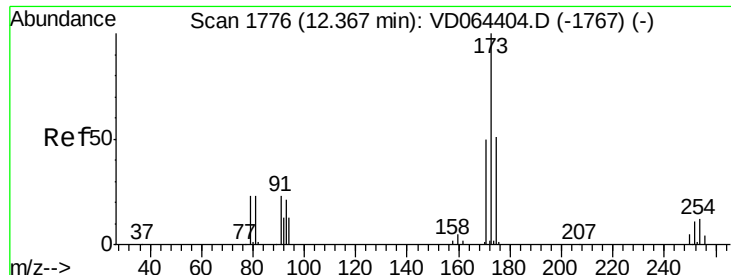
apatel
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#70
Styrene
Concen: 47.651 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion:104 Resp: 42759
Ion Ratio Lower Upper
104 100
78 48.4 38.8 58.2
103 54.4 44.2 66.4





#71

Bromoform

Concen: 88.180 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

Tot Ion:173 Resp: 16096

Ion Ratio Lower Upper

173 100

175 50.5 25.3 75.8

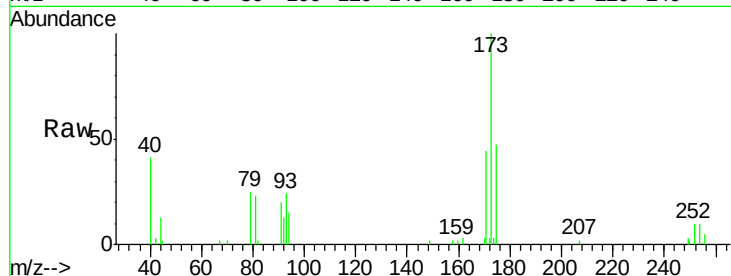
254 0.0 0.0 0.0

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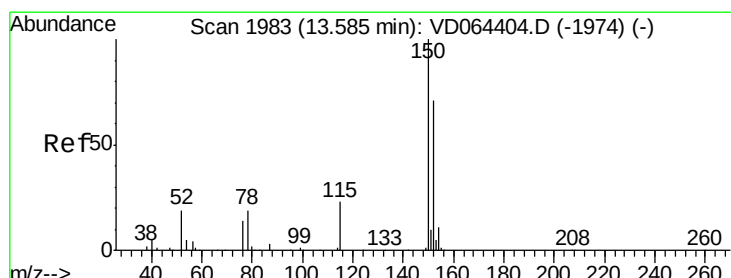
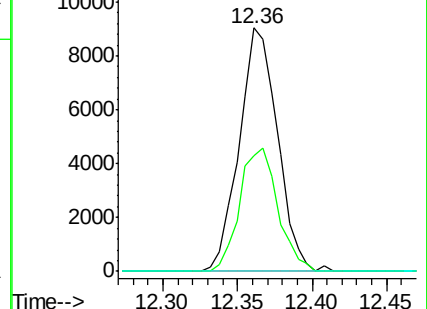
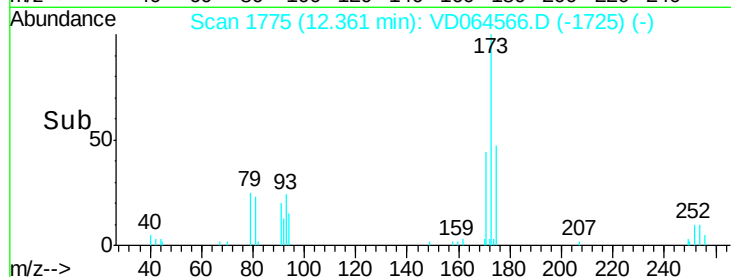
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Abundance Ion 172.70 (172.40 to 173.40): V

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. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

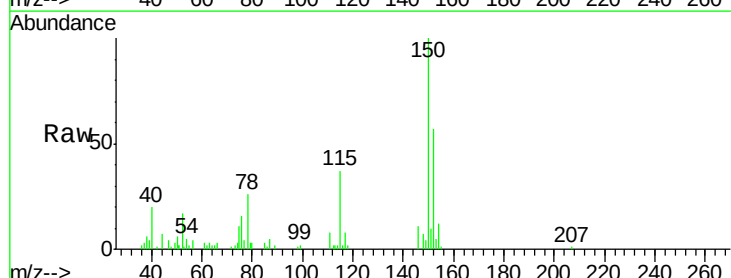
Tgt Ion:152 Resp: 21179

Ion Ratio Lower Upper

152 100

115 58.2 26.7 80.1

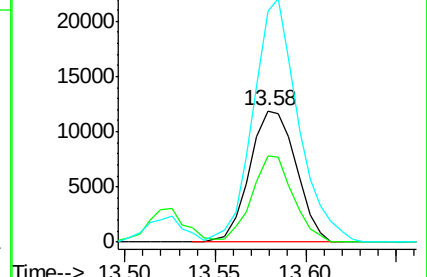
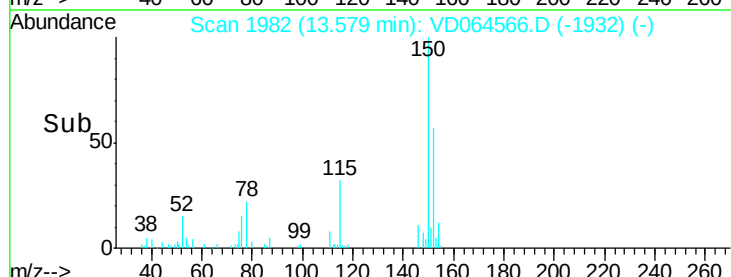
150 179.4 0.0 347.2

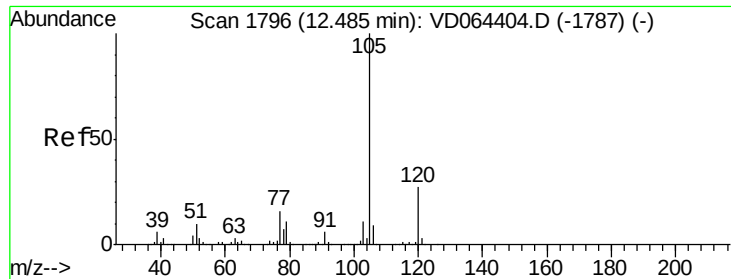


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 37.042 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

Tot Ion:105 Resp: 56423

Ion Ratio Lower Upper

105 100

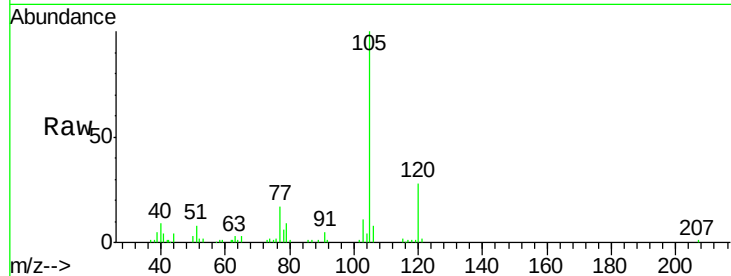
120 28.1 13.4 40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

40000

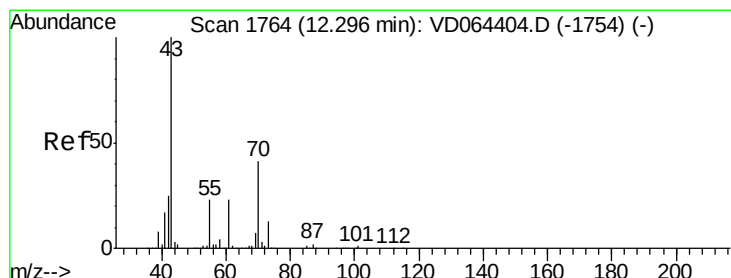
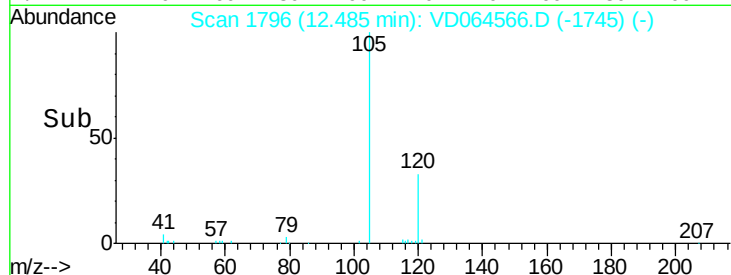
30000

20000

10000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 73.801 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Tgt Ion: 43 Resp: 25514

Ion Ratio Lower Upper

43 100

70 44.6 33.4 50.2

55 26.5 18.9 28.3

61 21.6 18.5 27.7

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

25000

20000

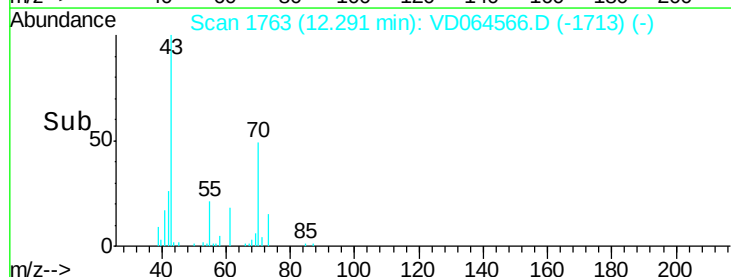
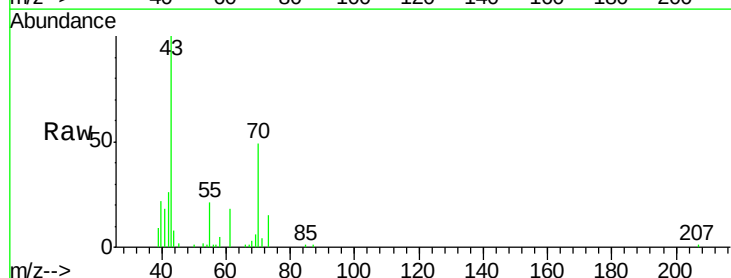
15000

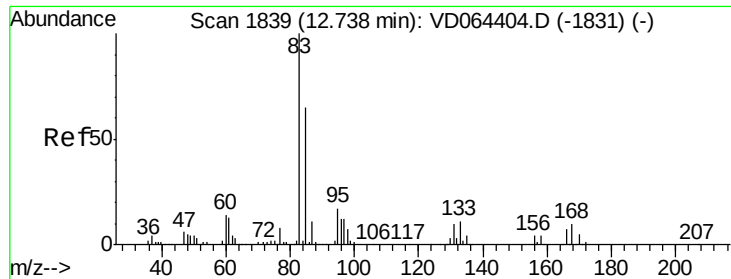
10000

5000

0

Time--> 12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 94.576 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

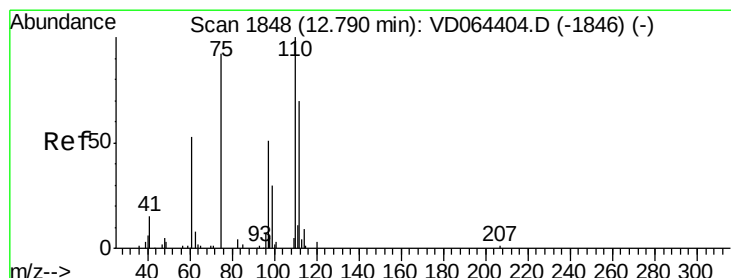
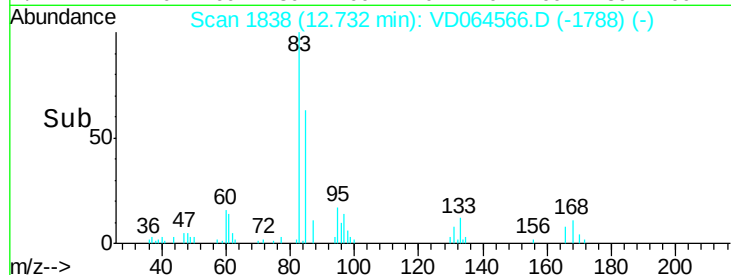
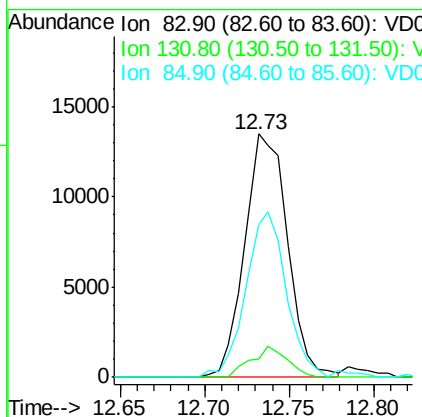
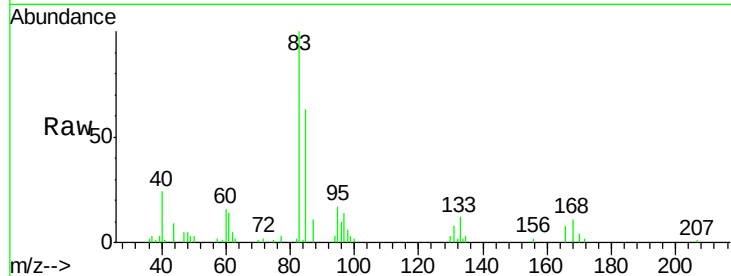
ClientSampleId :

SB-2-(4-5)MS

Tot Ion:	83	Resp:	23823
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.7	17.0
85	64.0	31.3	93.9

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#76

1,2,3-Trichloropropane

Concen: 110.571 ug/l m

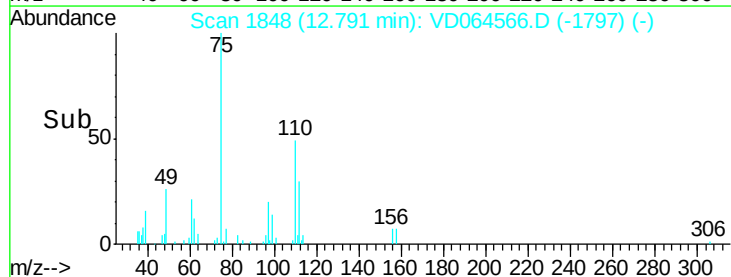
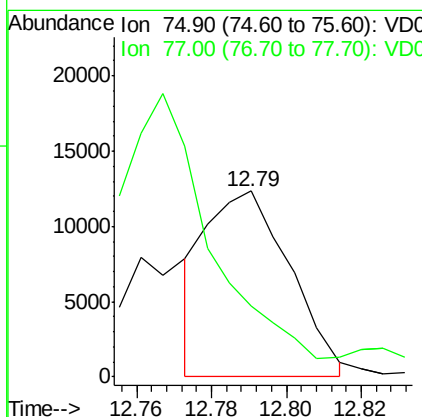
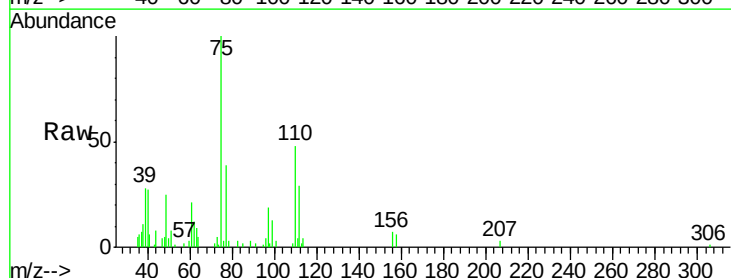
RT: 12.79 min Scan# 1848

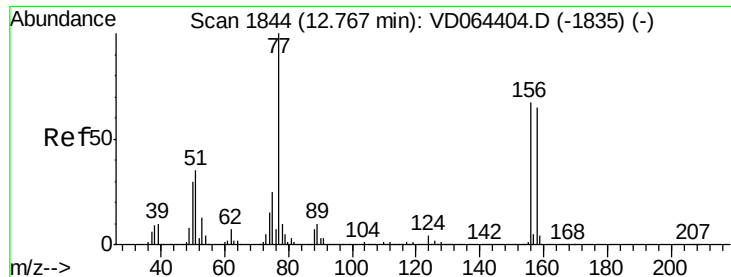
Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Tgt Ion:	75	Resp:	19258
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.412 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

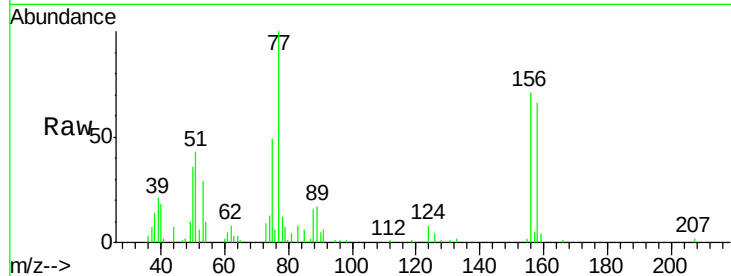
ClientSampleId :

SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.1	80.0	240.2
158	94.0	48.9	146.6

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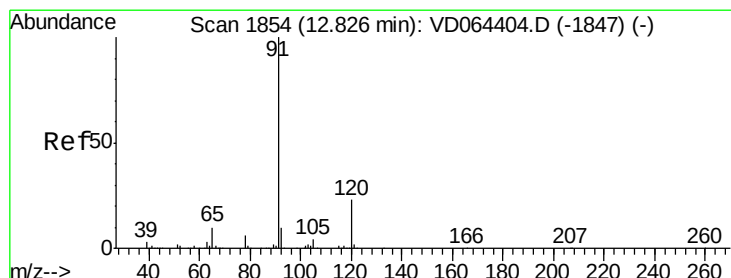
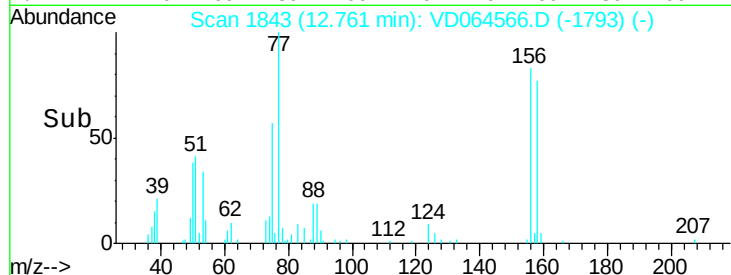
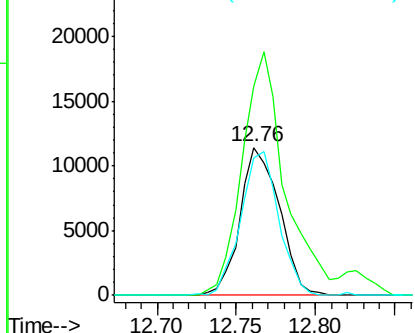


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 37.423 ug/l

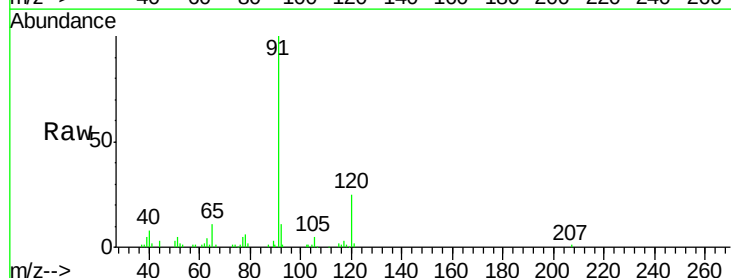
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

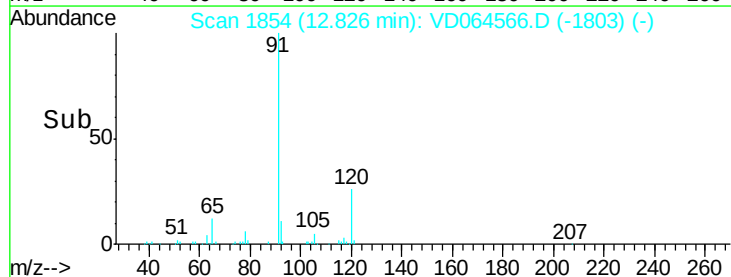
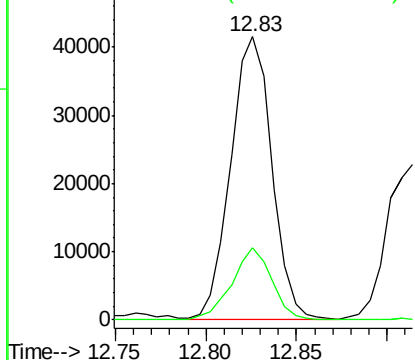
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.9	35.9

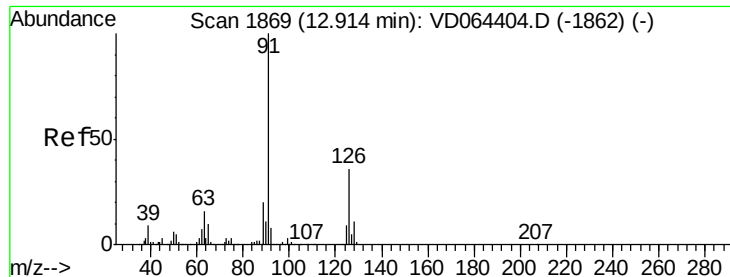


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 40.280 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

Tot Ion: 91 Resp: 38953

Ion Ratio Lower Upper

91 100

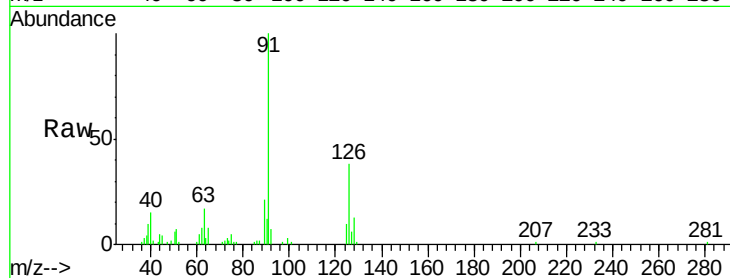
126 37.3 18.0 54.0

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

12.91

25000

20000

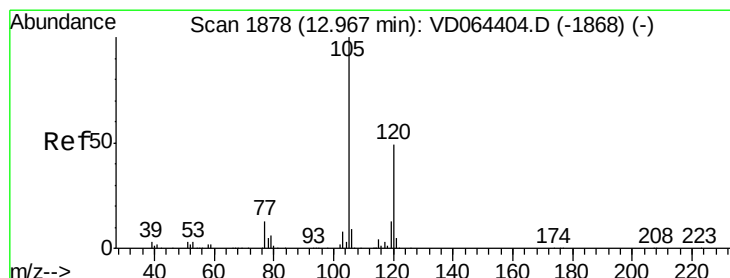
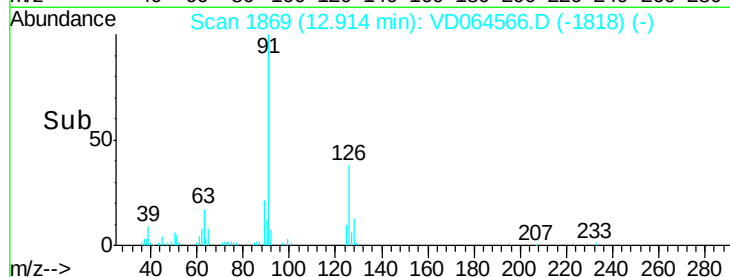
15000

10000

5000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 38.864 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064566.D

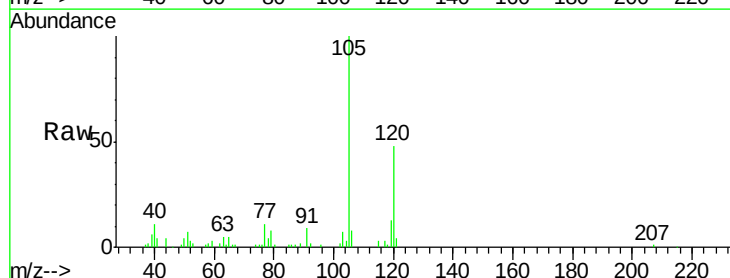
Acq: 23 Dec 2019 14:09

Tgt Ion: 105 Resp: 48376

Ion Ratio Lower Upper

105 100

120 52.2 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.97

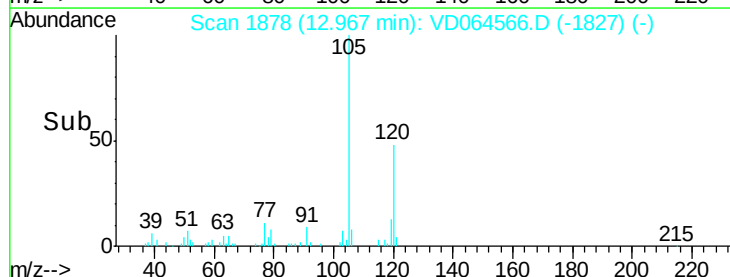
30000

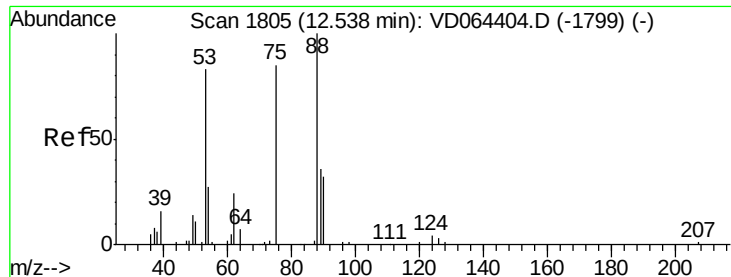
20000

10000

0

Time-->





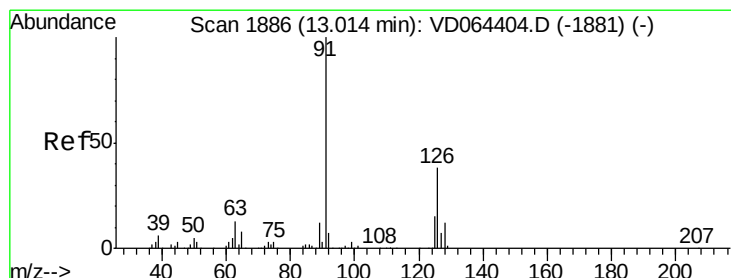
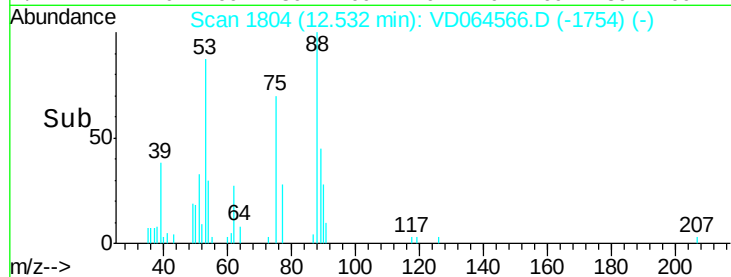
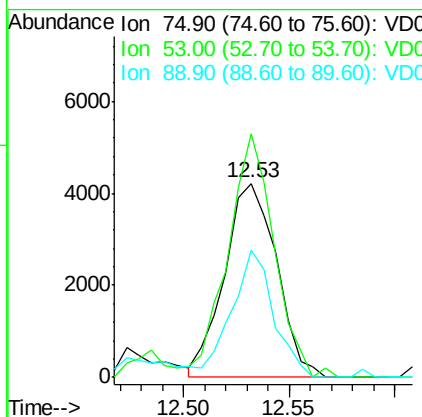
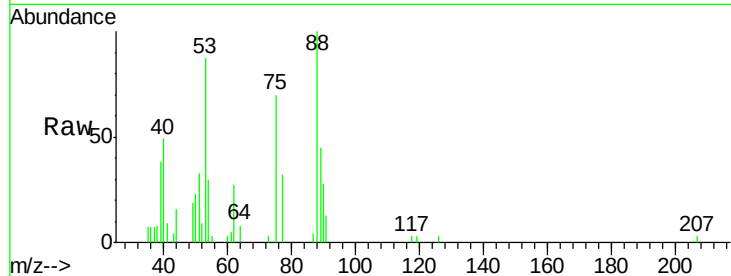
#81
trans-1,4-Dichloro-2-butene
Concen: 90.366 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.8	81.0	121.6
89	52.0	38.5	57.7

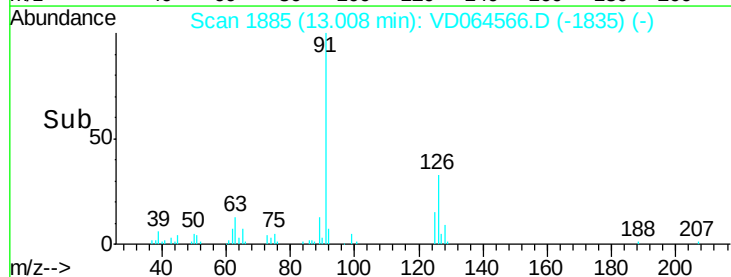
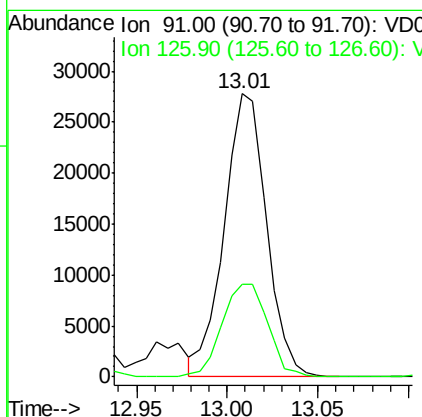
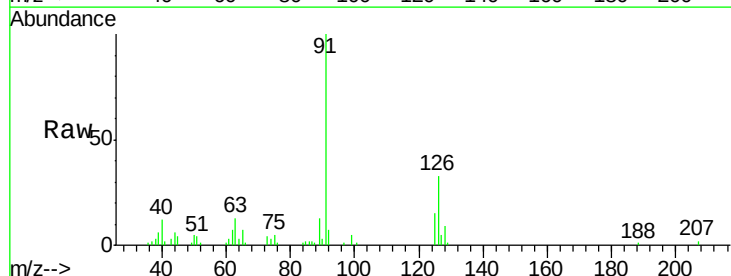
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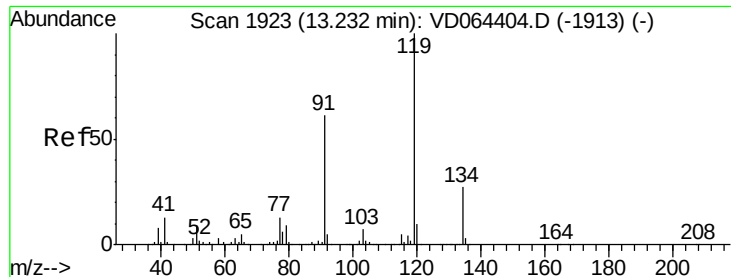
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#82
4-Chlorotoluene
Concen: 44.066 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	18.2	54.6





#83

tert-Butylbenzene

Concen: 36.578 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

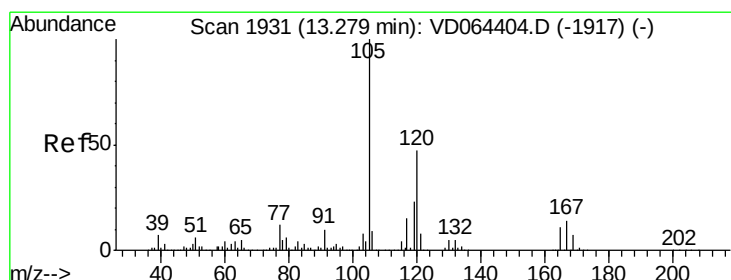
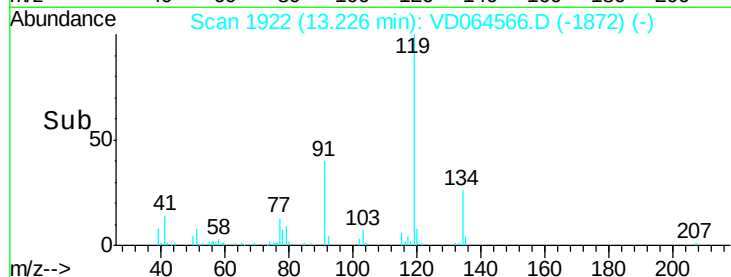
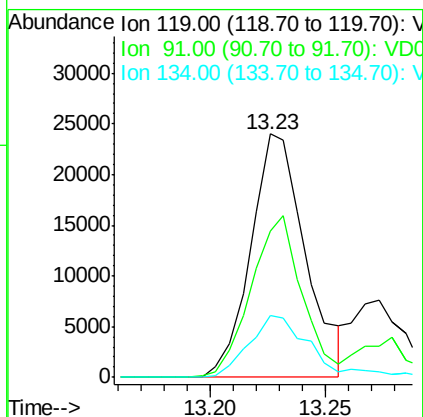
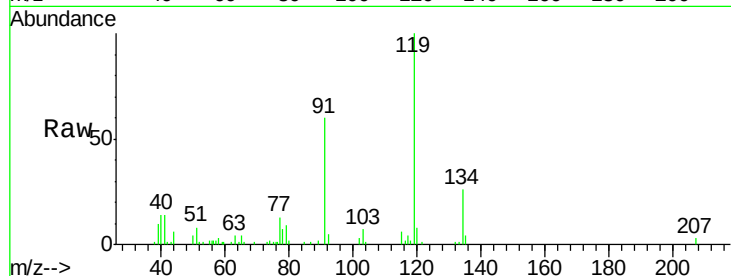
ClientSampleId :

SB-2-(4-5)MS

Tot Ion:	119	Resp:	39583
Ion Ratio	Lower	Upper	
119	100		
91	61.9	31.2	93.6
134	28.8	13.9	41.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 39.156 ug/l

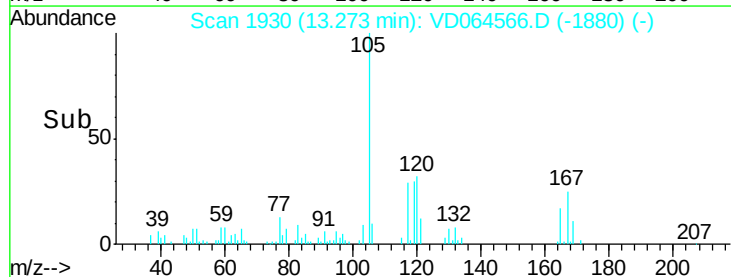
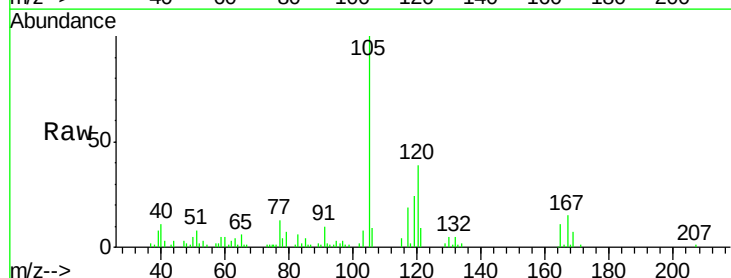
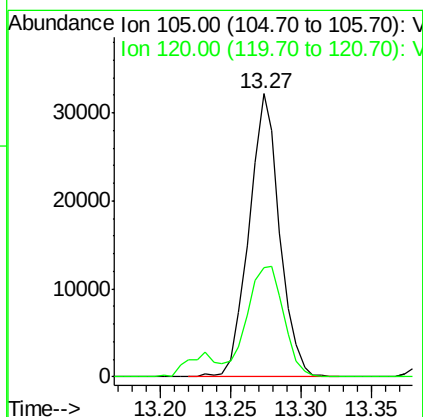
RT: 13.27 min Scan# 1930

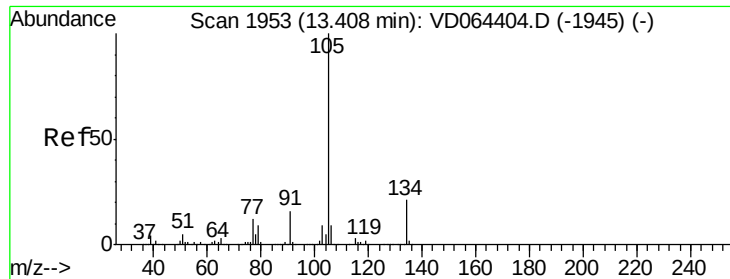
Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Tgt Ion:	105	Resp:	49009
Ion Ratio	Lower	Upper	
105	100		
120	46.8	23.6	70.8





#85

sec-Butylbenzene

Concen: 34.861 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

ClientSampleId :

SB-2-(4-5)MS

Tot Ion:105 Resp: 51778

Ion Ratio Lower Upper

105 100

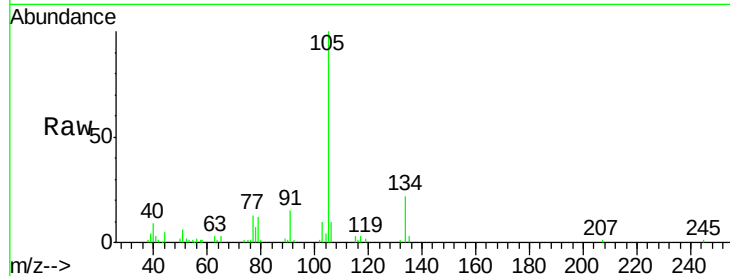
134 20.4 10.5 31.5

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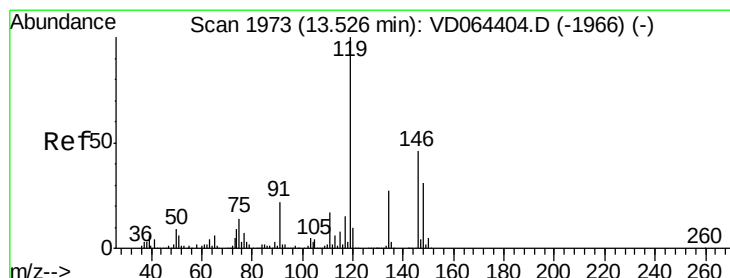
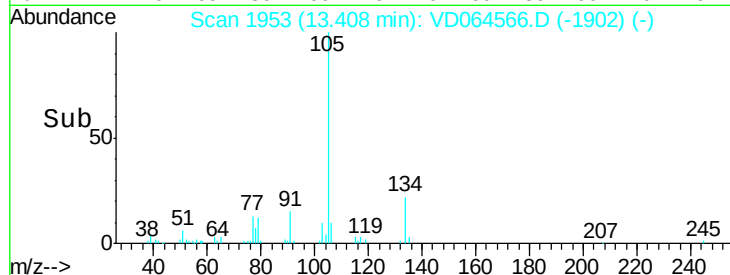
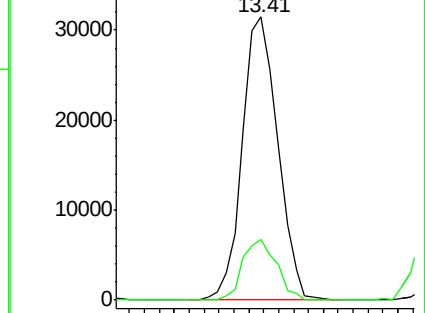
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 35.295 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

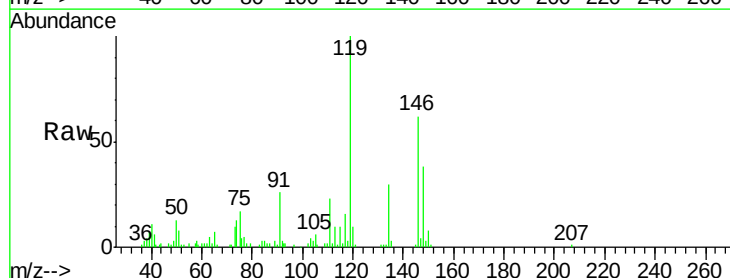
Tgt Ion:119 Resp: 49491

Ion Ratio Lower Upper

119 100

134 27.3 13.5 40.4

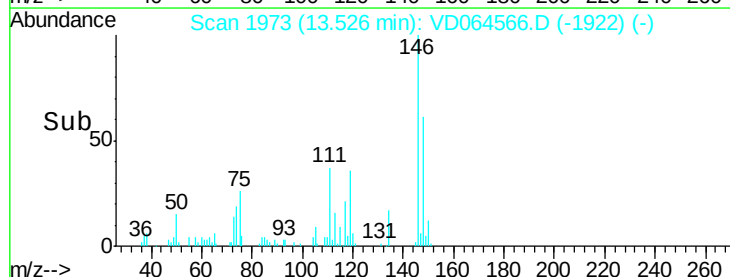
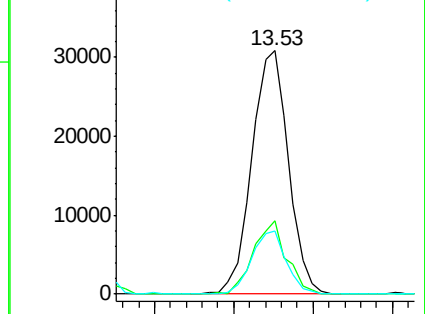
91 24.5 11.2 33.5

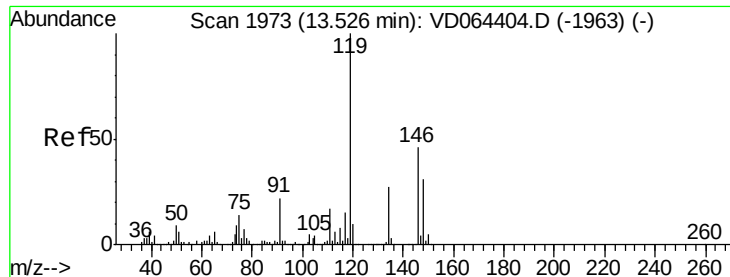


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 45.920 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

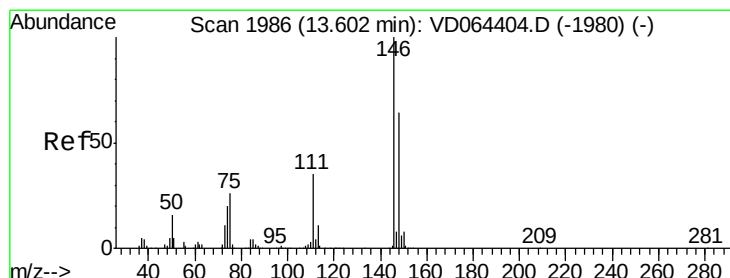
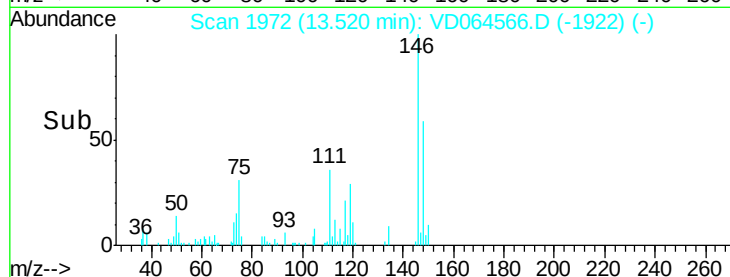
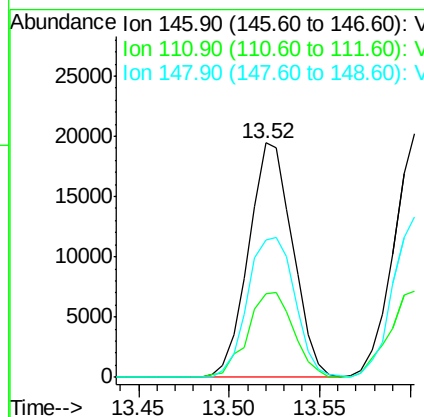
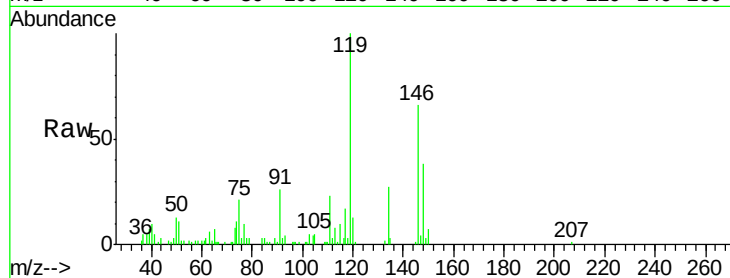
ClientSampleId :

SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	64.4	32.6	97.8

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#88

1,4-Dichlorobenzene

Concen: 45.303 ug/l

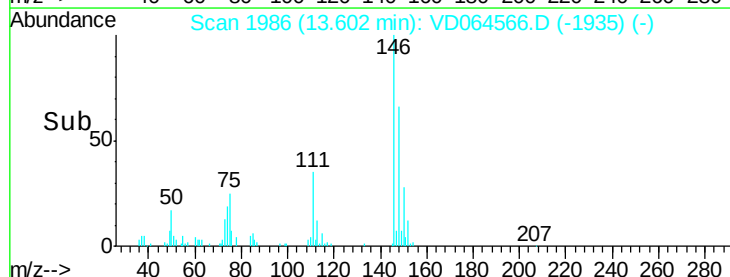
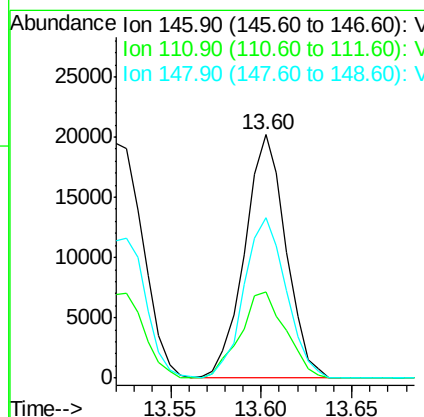
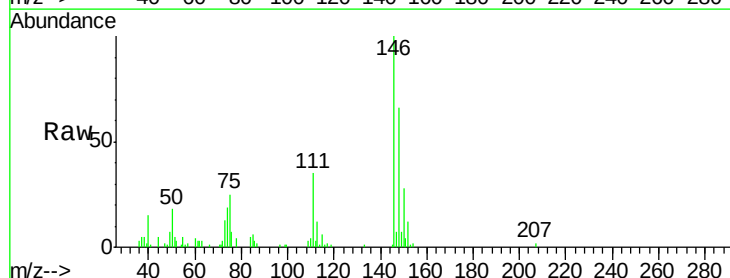
RT: 13.60 min Scan# 1986

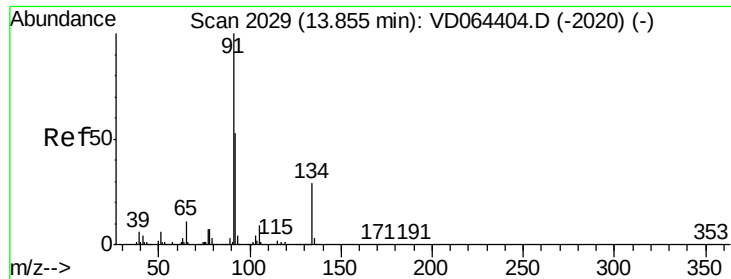
Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.2	54.6
148	67.5	31.8	95.4





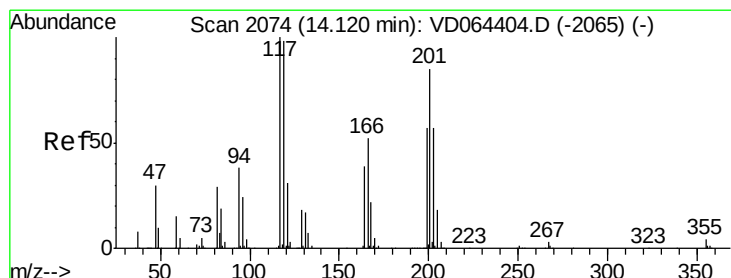
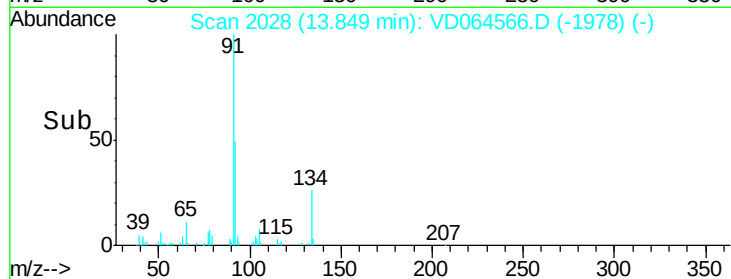
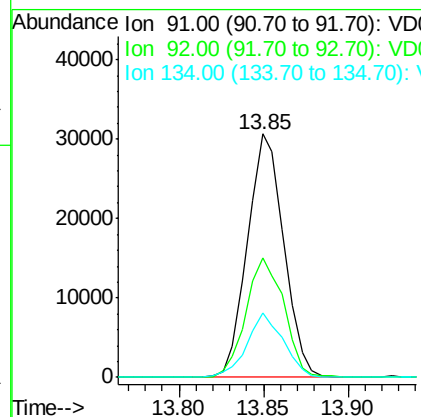
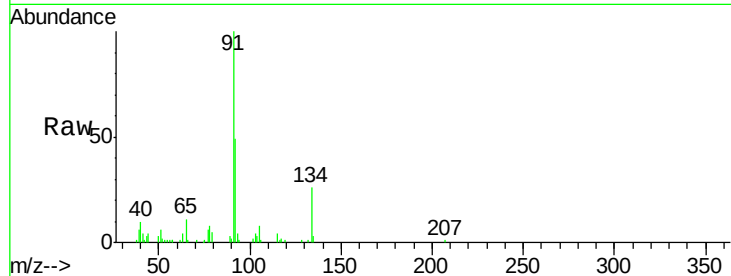
#89
n-Butylbenzene
Concen: 36.064 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Instrument :
MSVOA_D
ClientSampleId :
SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.5	79.4
134	26.5	13.9	41.7

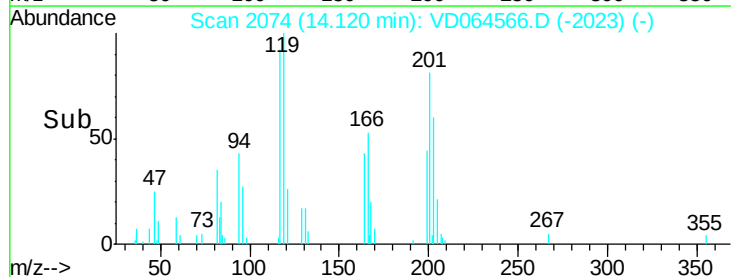
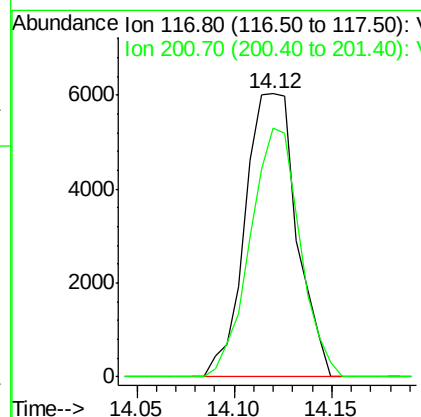
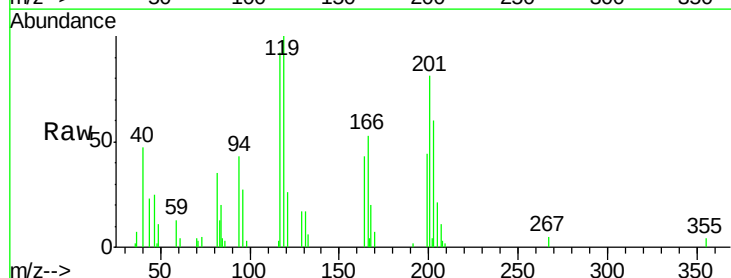
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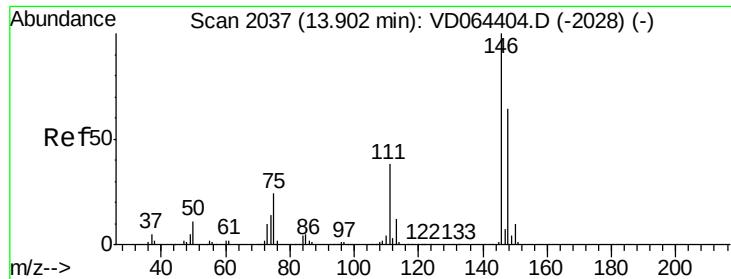
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#90
Hexachloroethane
Concen: 42.182 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064566.D
Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	44.3	132.8





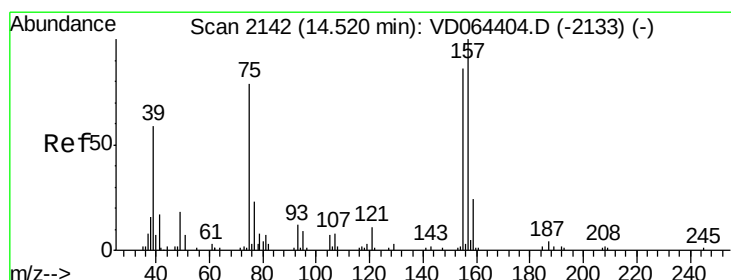
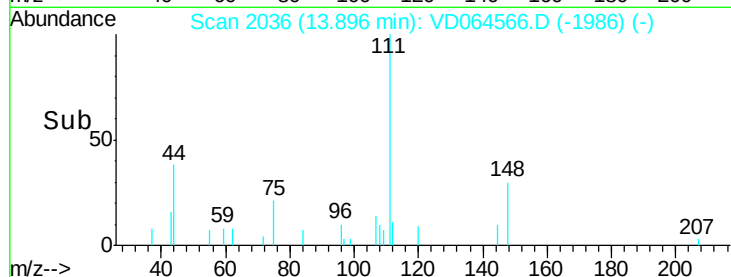
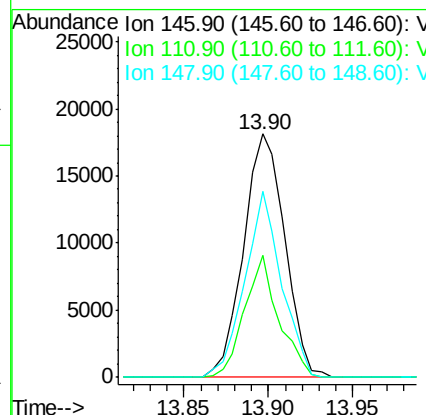
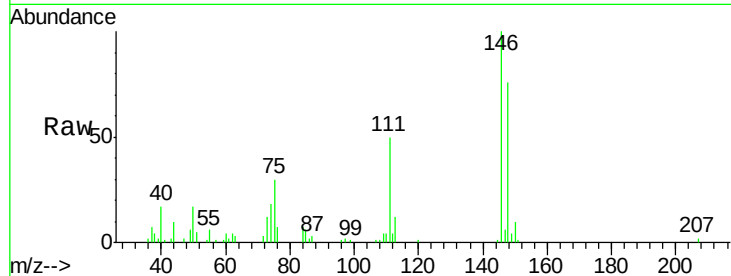
#91
 1,2-Dichlorobenzene
 Concen: 50.633 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	19.1	57.3
148	67.8	32.0	96.0

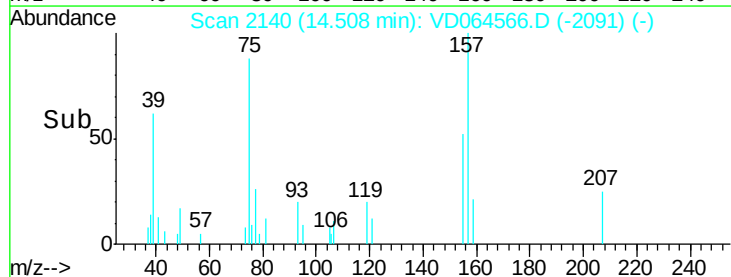
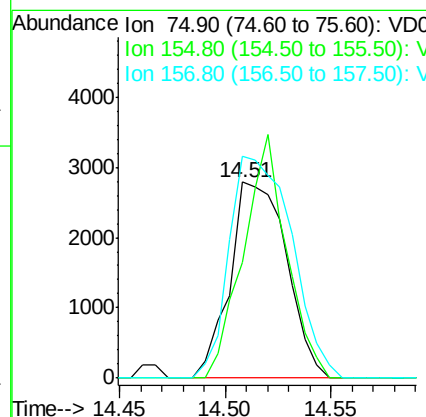
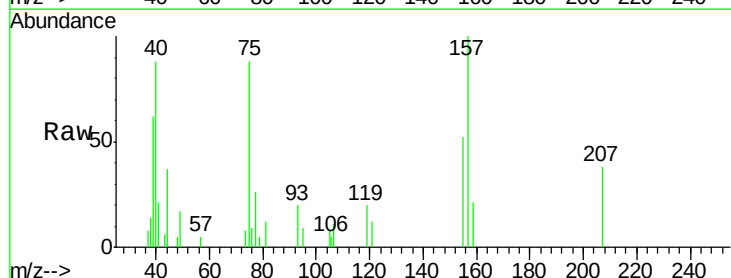
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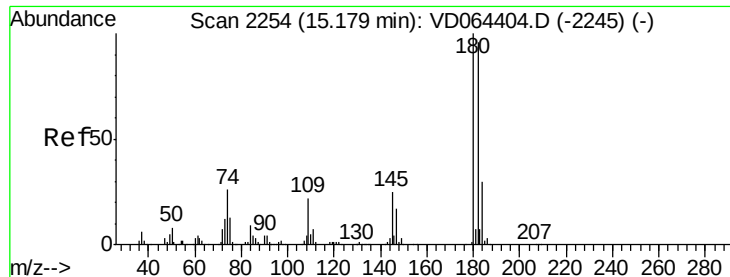
apatel
 12/24/2019 11:04:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 145.985 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	51.9	155.7
157	125.6	63.2	189.8





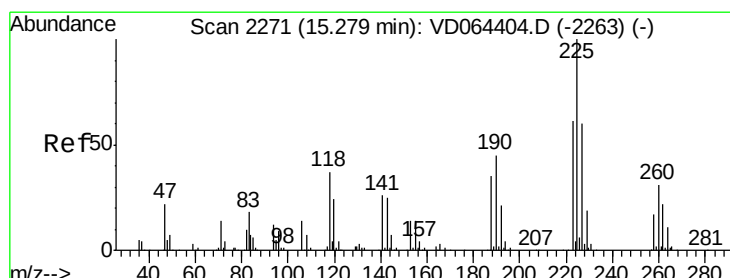
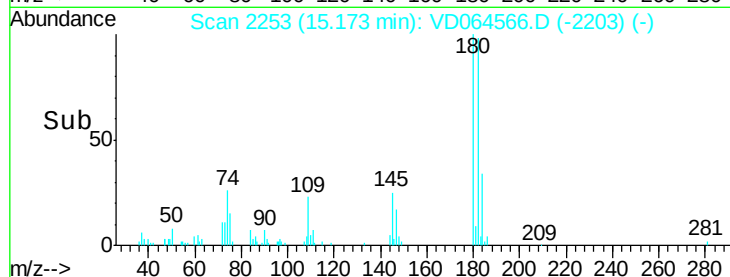
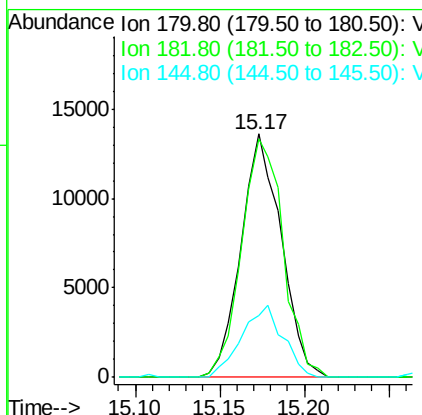
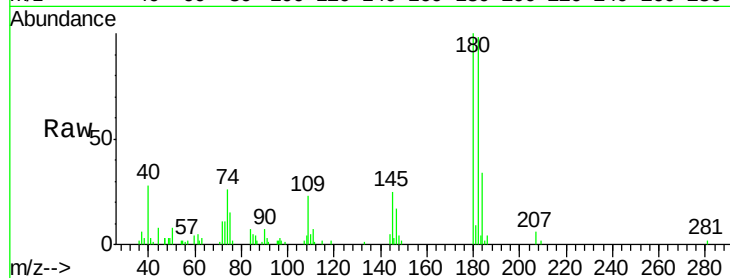
#93
 1,2,4-Trichlorobenzene
 Concen: 48.379 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2-(4-5)MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.5	47.4	142.3
145	30.3	14.0	41.9

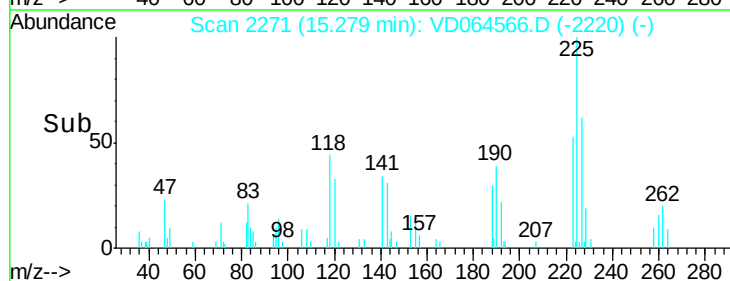
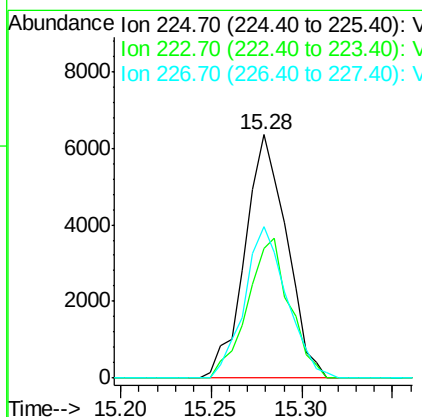
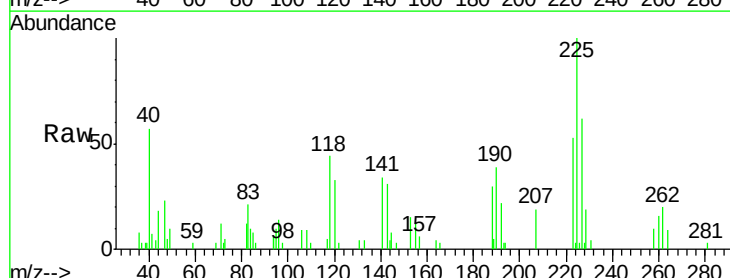
Manual Integrations
 APPROVED

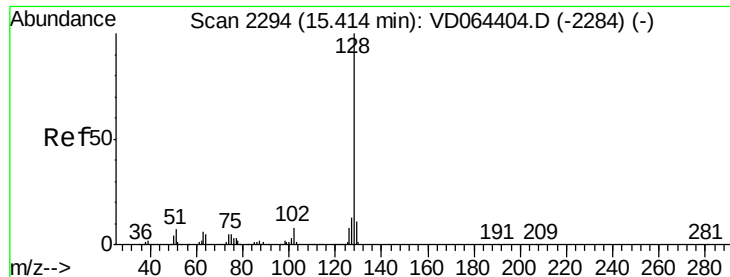
apatel
 12/24/2019 11:04:13 AM



#94
 Hexachlorobutadiene
 Concen: 35.252 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064566.D
 Acq: 23 Dec 2019 14:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.8	31.1	93.3
227	63.3	31.8	95.4





#95

Naphthalene

Concen: 82.973 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Instrument :

MSVOA_D

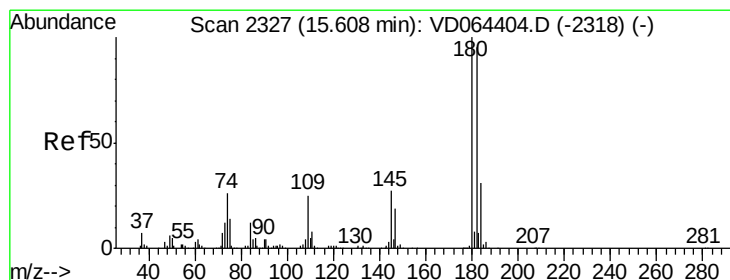
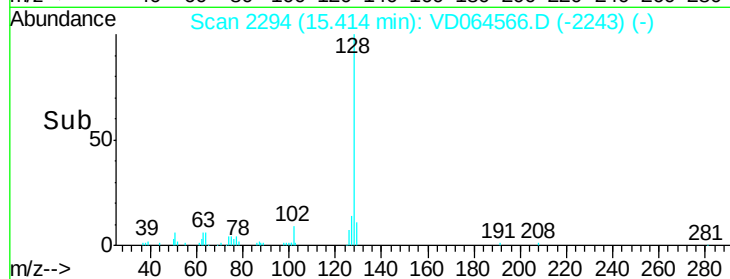
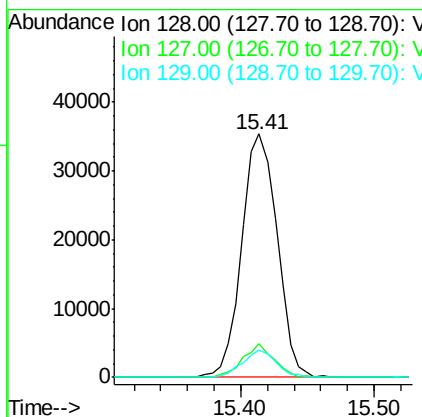
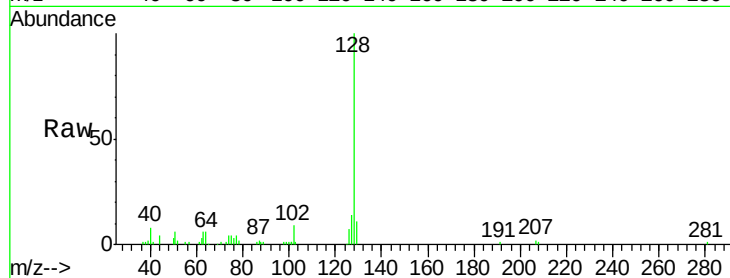
ClientSampleId :

SB-2-(4-5)MS

Tot Ion:	128	Resp:	64704
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.5	15.7
129	10.5	8.8	13.2

Manual Integrations
APPROVED

apatel
12/24/2019 11:04:13 AM



#96

1,2,3-Trichlorobenzene

Concen: 57.523 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064566.D

Acq: 23 Dec 2019 14:09

Tgt Ion:	180	Resp:	22944
Ion	Ratio	Lower	Upper
180	100		
182	91.5	47.6	142.9
145	29.0	14.6	43.8

