

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066286.D
 Acq On : 18 Aug 2020 18:58
 Operator : VA/SY
 Sample : L3700-04MSD
 Misc : 7.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S406-K-SO-1-1.5-081420MSD

Quant Time: Aug 19 06:42:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	239360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	346848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	315004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	151277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	113679	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
35) Dibromofluoromethane	7.91	113	116598	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
50) Toluene-d8	10.33	98	413626	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.63	95	140309	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	82921	39.321	ug/l	94
3) Chloromethane	2.20	50	63877	38.939	ug/l	96
4) Vinyl Chloride	2.34	62	65366	45.007	ug/l	97
5) Bromomethane	2.76	94	45388	47.104	ug/l	97
6) Chloroethane	2.91	64	42793	48.001	ug/l	95
7) Trichlorofluoromethane	3.27	101	179912	47.516	ug/l	96
8) Diethyl Ether	3.71	74	49924	46.729	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	100233	44.606	ug/l	95
10) Methyl Iodide	4.30	142	98730	48.494	ug/l	97
11) Tert butyl alcohol	5.23	59	27282	156.954	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	95367	44.989	ug/l	97
13) Acrolein	3.93	56	5577	32.810	ug/l	91
14) Allyl chloride	4.71	41	143901	44.809	ug/l	94
15) Acrylonitrile	5.42	53	97665	216.935	ug/l	99
16) Acetone	4.16	43	74207	183.143	ug/l	97
17) Carbon Disulfide	4.40	76	258993	38.426	ug/l	98
18) Methyl Acetate	4.71	43	97892	95.116	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	233541	48.066	ug/l	97
20) Methylene Chloride	4.96	84	124301	53.769	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	111444	45.765	ug/l	96
22) Diisopropyl ether	6.36	45	291181	45.850	ug/l #	93
23) Vinyl Acetate	6.30	43	66742	17.939	ug/l #	92
24) 1,1-Dichloroethane	6.26	63	189626	48.248	ug/l	99
25) 2-Butanone	7.21	43	116943	196.228	ug/l	99
26) 2,2-Dichloropropane	7.20	77	161516	45.852	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	126922	49.692	ug/l	98
28) Bromochloromethane	7.54	49	68026	49.280	ug/l	95
29) Tetrahydrofuran	7.56	42	76559	207.346	ug/l	96
30) Chloroform	7.70	83	213115	51.641	ug/l	95
31) Cyclohexane	7.97	56	146874	39.259	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	200113	51.717	ug/l	99
36) 1,1-Dichloropropene	8.11	75	151227	46.398	ug/l	99
37) Ethyl Acetate	7.28	43	41481	32.121	ug/l	97
38) Carbon Tetrachloride	8.09	117	184465	50.752	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	154964	39.331	ug/l	97
40) Benzene	8.34	78	435012	48.112	ug/l	98
41) Methacrylonitrile	7.56	41	77608	102.210	ug/l #	36
42) 1,2-Dichloroethane	8.42	62	135796	51.125	ug/l	99
43) Isopropyl Acetate	8.44	43	94656	37.202	ug/l	97
44) Trichloroethene	9.11	130	129655	47.588	ug/l	98
45) 1,2-Dichloropropane	9.38	63	106780	48.288	ug/l	100
46) Dibromomethane	9.47	93	60465	49.640	ug/l	99
47) Bromodichloromethane	9.66	83	165017	51.258	ug/l	91
48) Methyl methacrylate	9.45	41	63179	48.628	ug/l #	84
49) 1,4-Dioxane	9.46	88	13620	870.341	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	276816	211.802	ug/l	99
52) Toluene	10.40	92	292597	49.180	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	148482	48.600	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	174116	48.642	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	83779	47.766	ug/l	95
56) Ethyl methacrylate	10.66	69	75372	35.772	ug/l	95
57) 1,3-Dichloropropane	10.94	76	137853	47.343	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	227624	240.171	ug/l	100
59) 2-Hexanone	10.98	43	187486	204.401	ug/l	99
60) Dibromochloromethane	11.14	129	117752	48.628	ug/l	97
61) 1,2-Dibromoethane	11.24	107	79883	47.358	ug/l	95
64) Tetrachloroethene	10.87	164	113633	46.977	ug/l	94
65) Chlorobenzene	11.67	112	316325	49.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	129179	51.629	ug/l	99
67) Ethyl Benzene	11.74	91	553903	49.985	ug/l	100
68) m/p-Xylenes	11.85	106	416497	97.009	ug/l	98
69) o-Xylene	12.18	106	200101	51.235	ug/l	99
70) Styrene	12.19	104	335506	49.017	ug/l	98
71) Bromoform	12.36	173	72049	48.603	ug/l #	99
73) Isopropylbenzene	12.48	105	527163	52.204	ug/l	99
74) N-amyl acetate	12.29	43	49136	22.097	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	84637	49.153	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	112048	88.818	ug/l #	100
77) Bromobenzene	12.76	156	136830	52.638	ug/l	99
78) n-propylbenzene	12.82	91	588939	50.172	ug/l	100
79) 2-Chlorotoluene	12.91	91	341920	50.930	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	435860	51.611	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	26218	45.941	ug/l	96
82) 4-Chlorotoluene	13.00	91	357405	50.430	ug/l	98
83) tert-Butylbenzene	13.23	119	369951	49.812	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	437052	51.712	ug/l	99
85) sec-Butylbenzene	13.40	105	470876	46.959	ug/l	100
86) p-Isopropyltoluene	13.52	119	449089	47.751	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	237939	48.702	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	239220	49.098	ug/l	99
89) n-Butylbenzene	13.84	91	361941	42.954	ug/l	100
90) Hexachloroethane	14.11	117	89914	47.936	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	212947	49.285	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13753	46.472	ug/l	94

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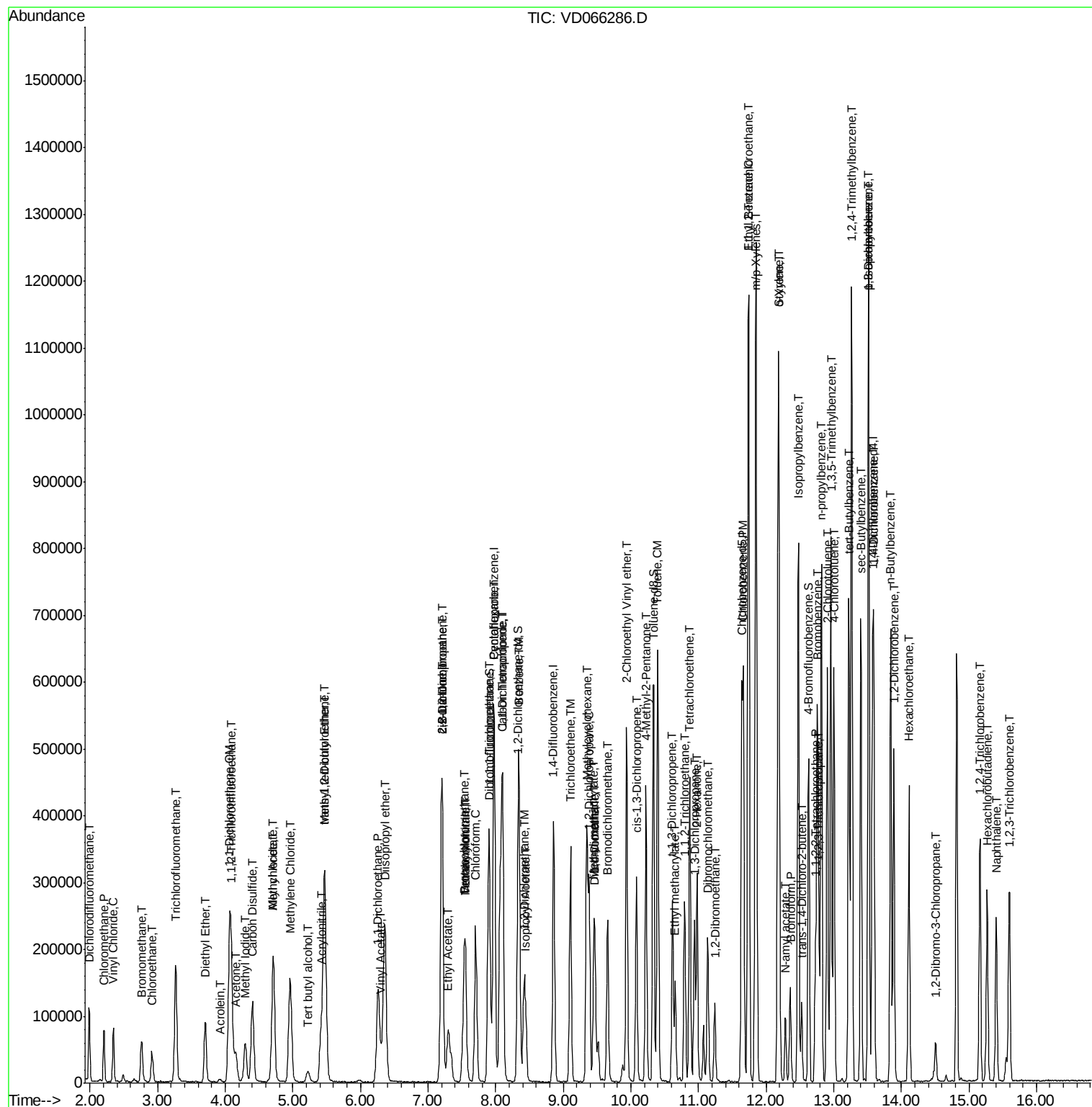
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	122511	38.476	ug/l	98
94) Hexachlorobutadiene	15.27	225	60156	32.084	ug/l	97
95) Naphthalene	15.41	128	222569	42.899	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	103953	36.983	ug/l	98

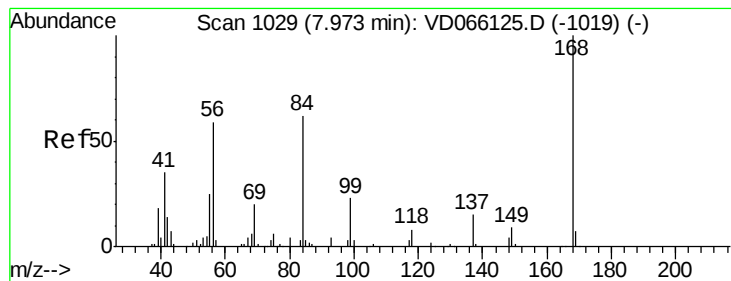
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

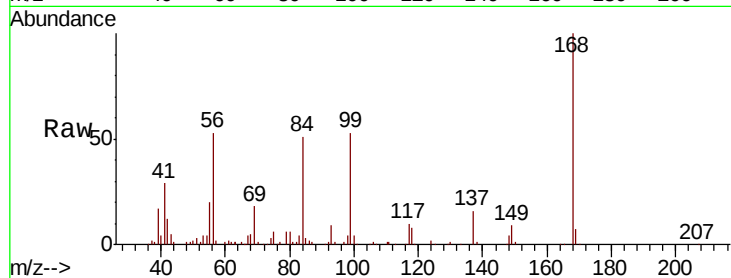
S406-K-SO-1-1.5-081420MSD

Tot Ion:168 Resp: 239360

Ion Ratio Lower Upper

168 100

99 53.0 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

120000

100000

80000

60000

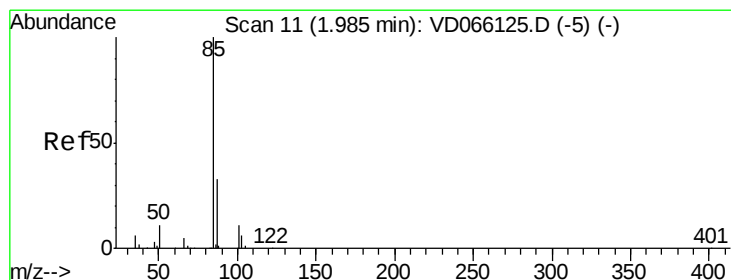
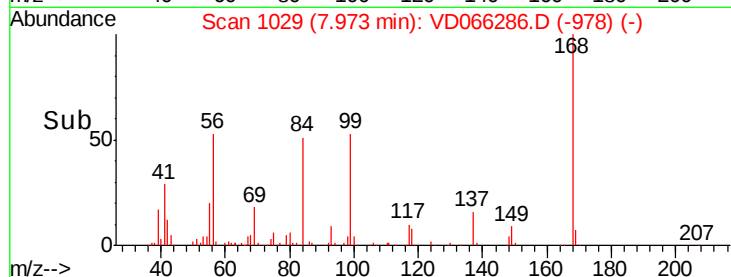
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 39.321 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066286.D

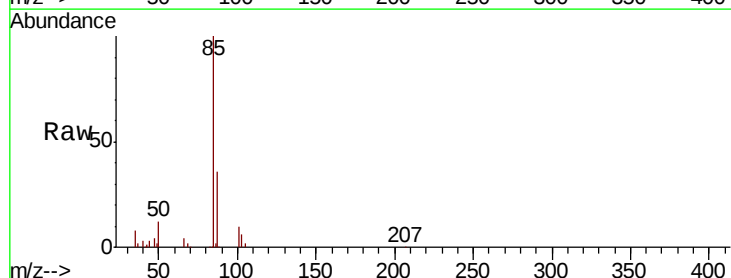
Acq: 18 Aug 2020 18:58

Tgt Ion: 85 Resp: 82921

Ion Ratio Lower Upper

85 100

87 36.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

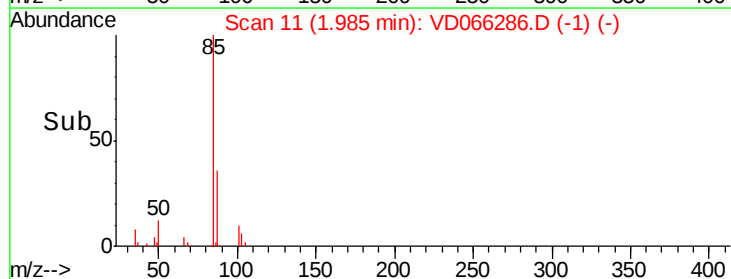
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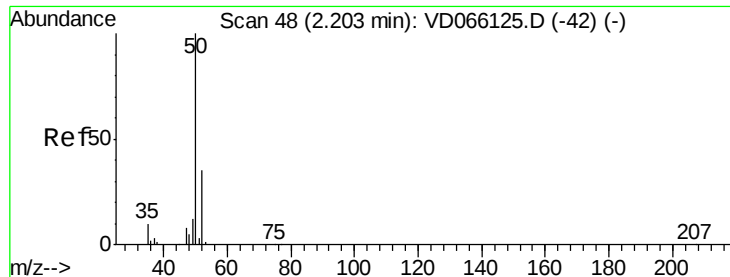
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 38.939 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

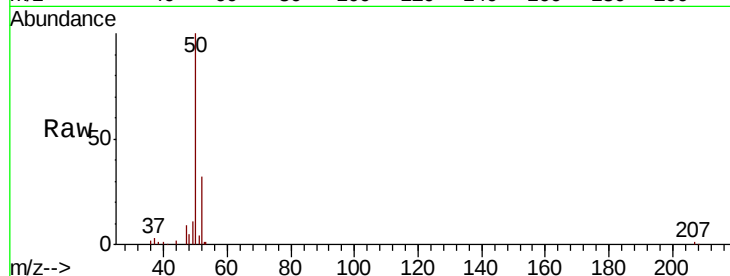
S406-K-SO-1-1.5-081420MSD

Tot Ion: 50 Resp: 63877

Ion Ratio Lower Upper

50 100

52 32.5 27.9 41.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.20

50000

40000

30000

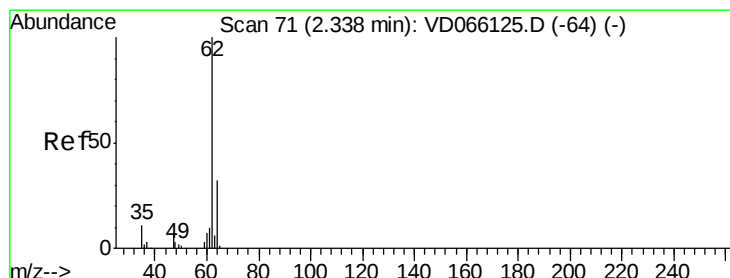
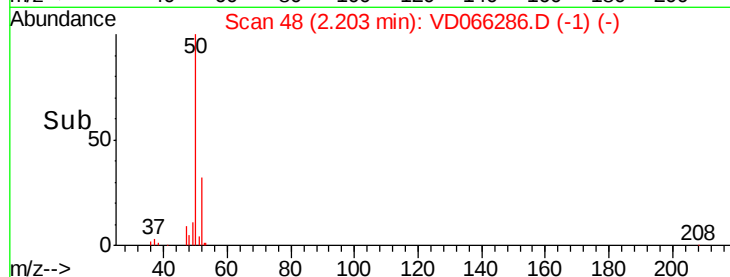
20000

10000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 45.007 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066286.D

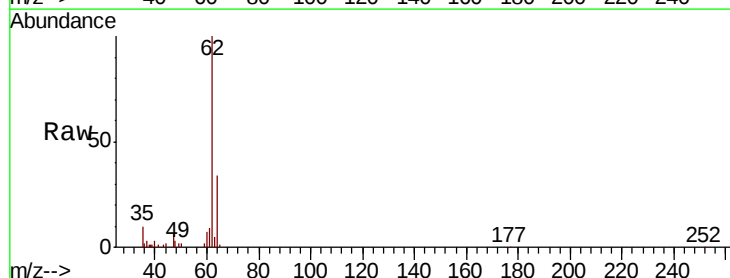
Acq: 18 Aug 2020 18:58

Tgt Ion: 62 Resp: 65366

Ion Ratio Lower Upper

62 100

64 34.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.34

50000

40000

30000

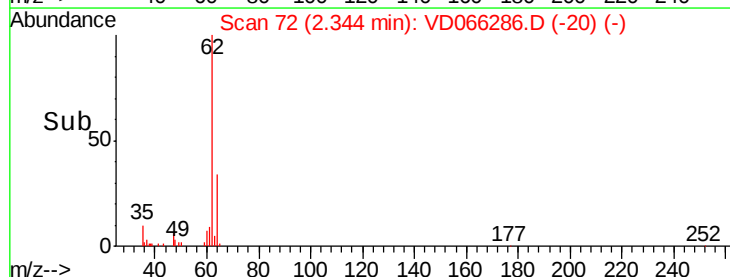
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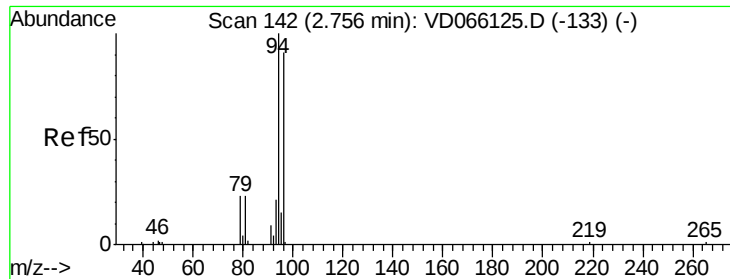
10000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 47.104 ug/l

RT: 2.76 min Scan# 143

Delta R.T. 0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

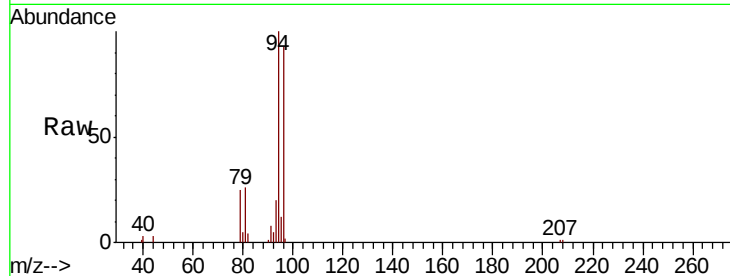
S406-K-SO-1-1.5-081420MSD

Tot Ion: 94 Resp: 45388

Ion Ratio Lower Upper

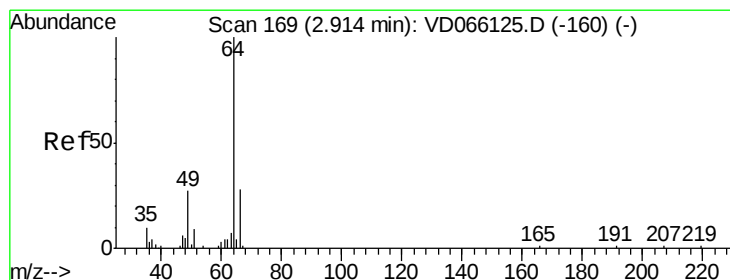
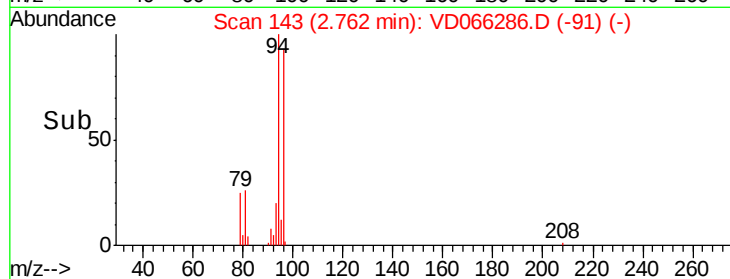
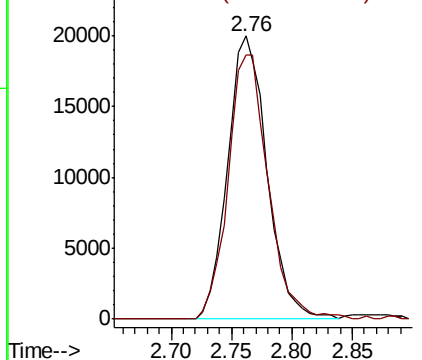
94 100

96 93.4 72.6 109.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.001 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066286.D

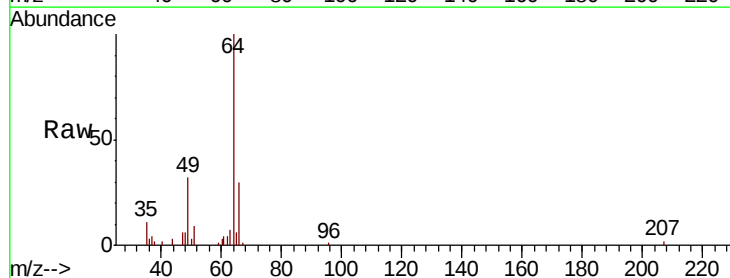
Acq: 18 Aug 2020 18:58

Tgt Ion: 64 Resp: 42793

Ion Ratio Lower Upper

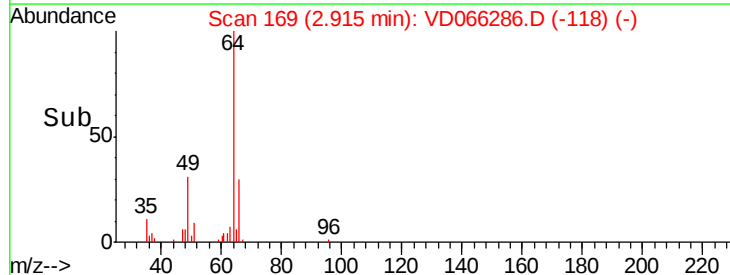
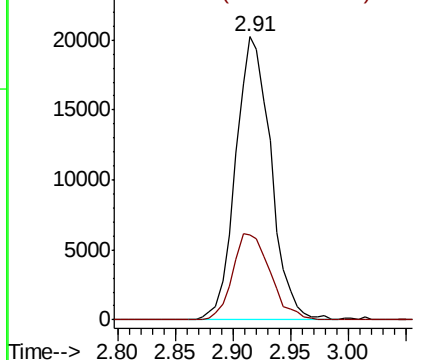
64 100

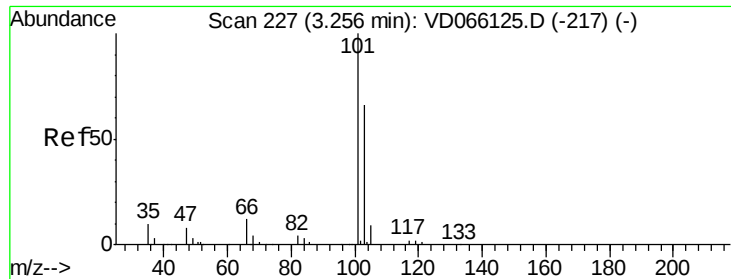
66 30.2 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 47.516 ug/l

RT: 3.27 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

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ClientSampleId :

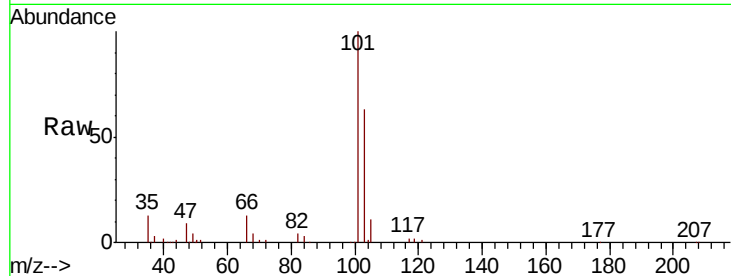
S406-K-SO-1-1.5-081420MSD

Tot Ion:101 Resp: 179912

Ion Ratio Lower Upper

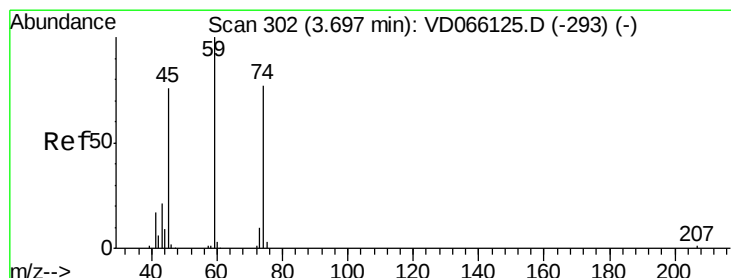
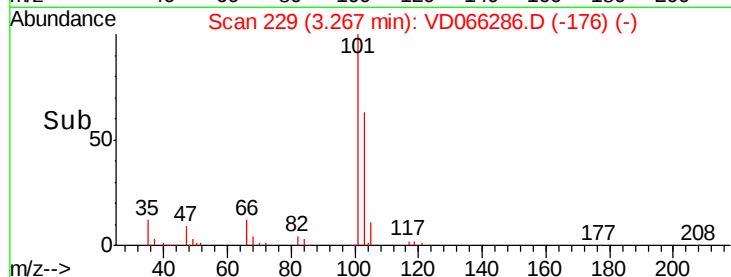
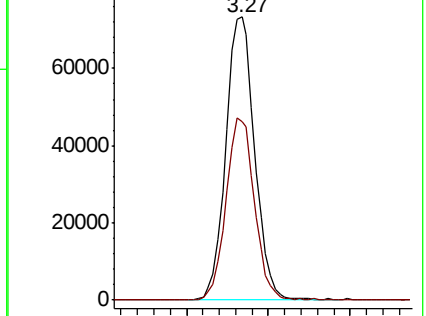
101 100

103 63.2 53.0 79.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 46.729 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066286.D

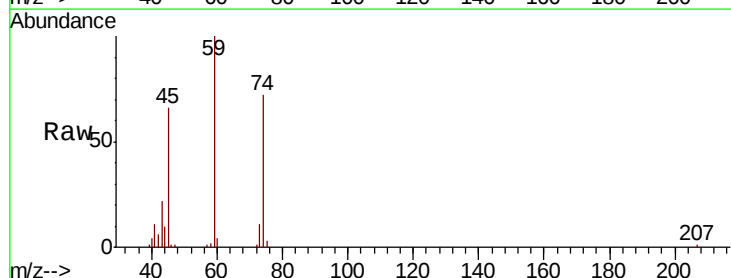
Acq: 18 Aug 2020 18:58

Tgt Ion: 74 Resp: 49924

Ion Ratio Lower Upper

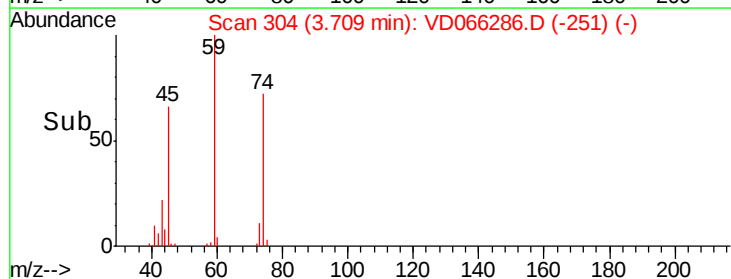
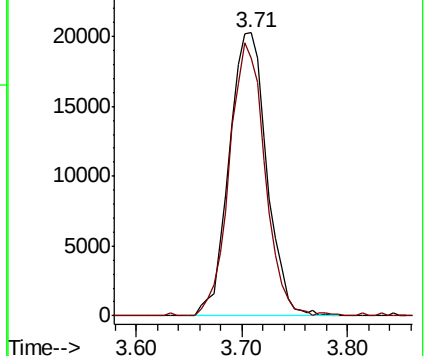
74 100

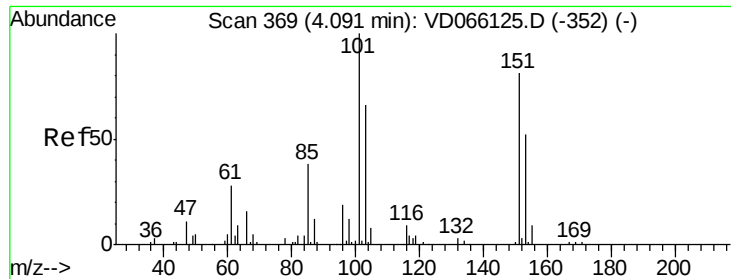
45 90.7 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.606 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

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ClientSampleId :

S406-K-SO-1-1.5-081420MSD

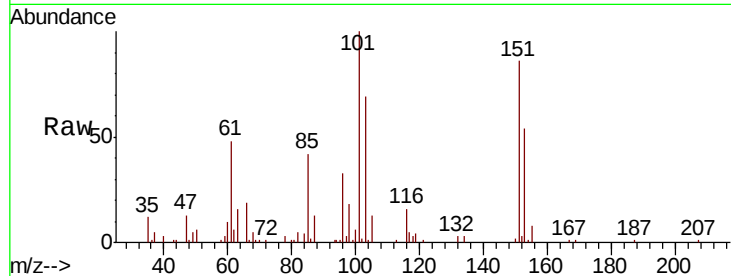
Tot Ion:101 Resp: 100233

Ion Ratio Lower Upper

101 100

85 46.1 33.5 50.3

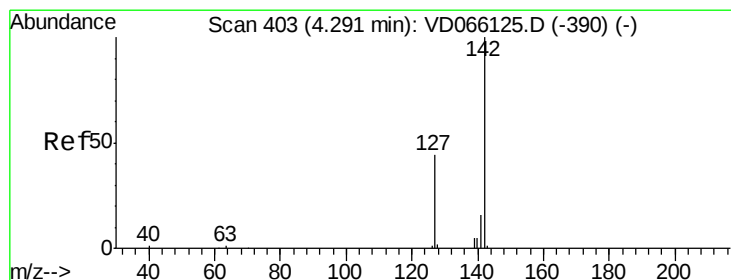
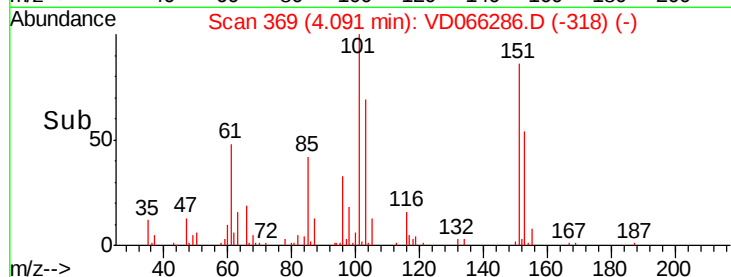
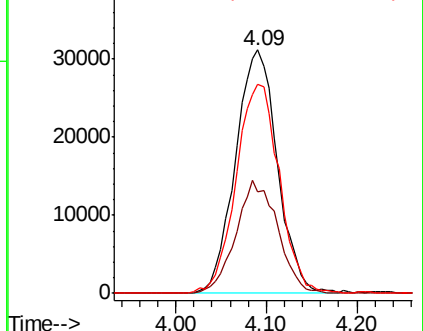
151 88.3 67.8 101.8



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: 48.494 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

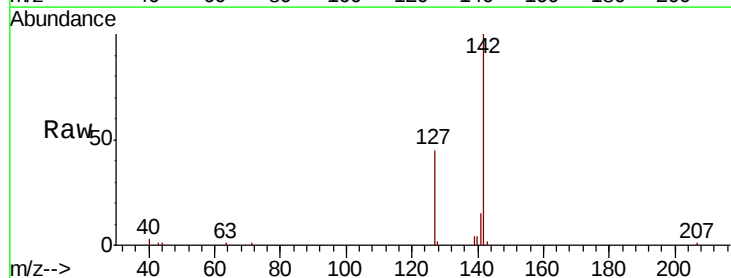
Tgt Ion:142 Resp: 98730

Ion Ratio Lower Upper

142 100

127 47.3 36.2 54.4

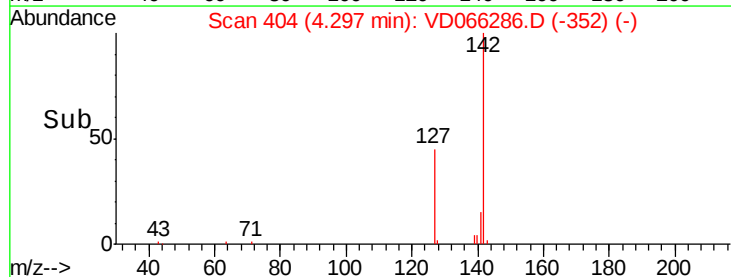
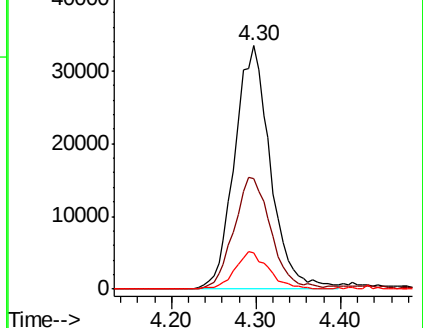
141 14.6 12.6 18.8



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



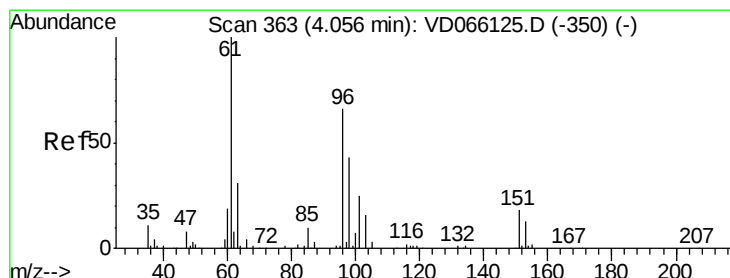
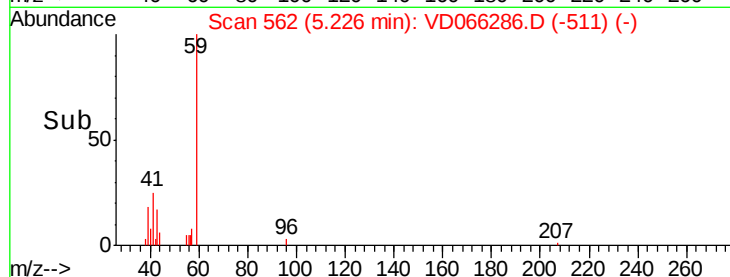
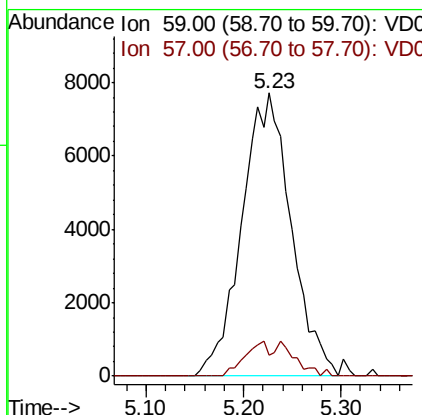
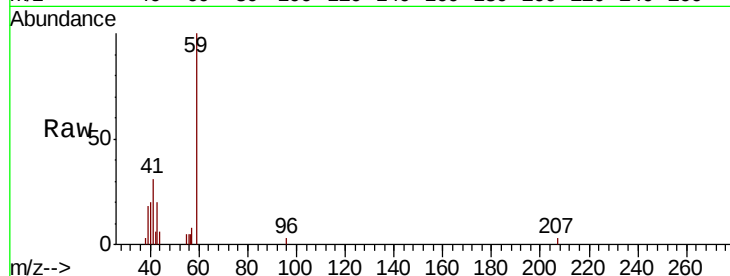


#11

Tert butyl alcohol
 Concen: 156.954 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

Instrument :
 MSVOA_D
 ClientSampleId :
 S406-K-SO-1-1.5-081420MSD

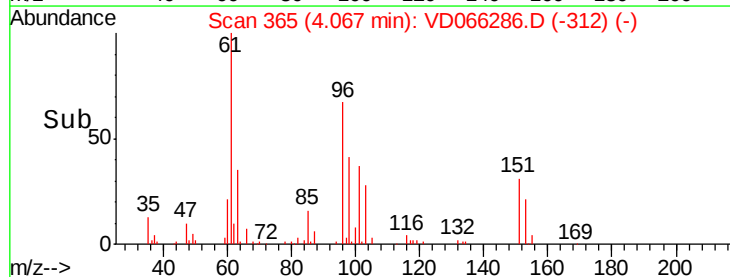
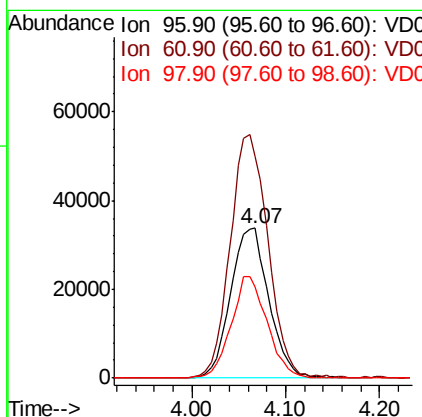
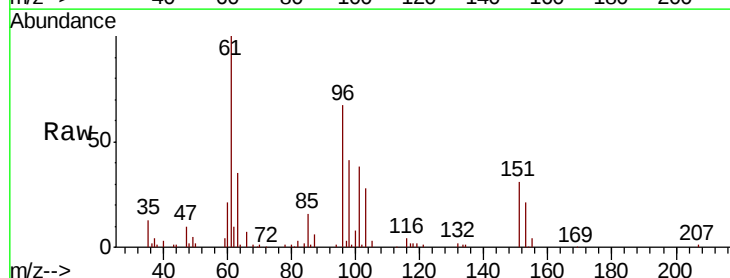
Tot Ion: 59 Resp: 27282
 Ion Ratio Lower Upper
 59 100
 57 5.9 7.0 10.4#

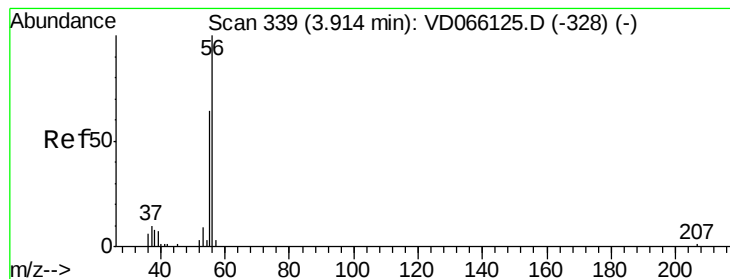


#12

1,1-Dichloroethene
 Concen: 44.989 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

Tgt Ion: 96 Resp: 95367
 Ion Ratio Lower Upper
 96 100
 61 148.5 121.6 182.4
 98 61.3 52.0 78.0





#13

Acrolein

Concen: 32.810 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

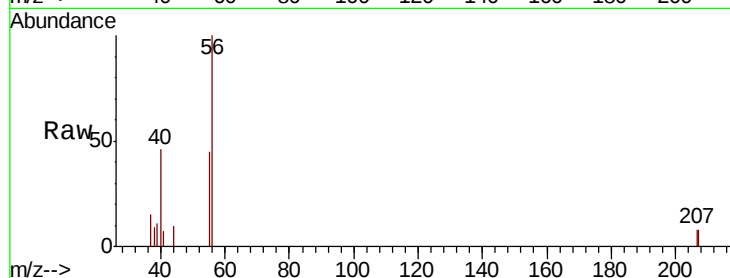
S406-K-SO-1-1.5-081420MSD

Tot Ion: 56 Resp: 5577

Ion Ratio Lower Upper

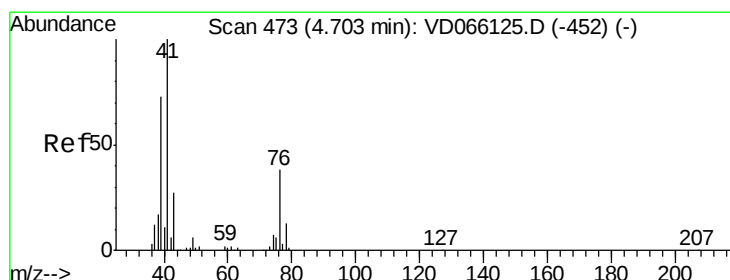
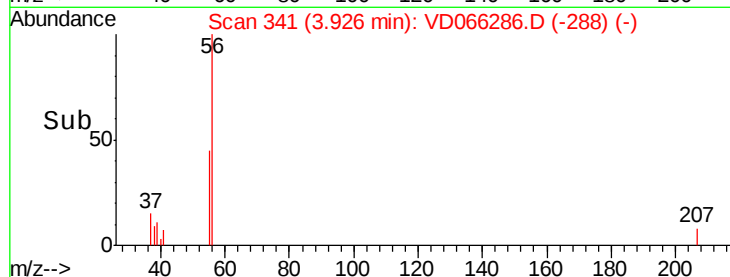
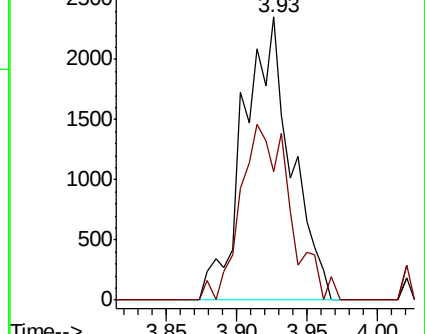
56 100

55 63.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 44.809 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

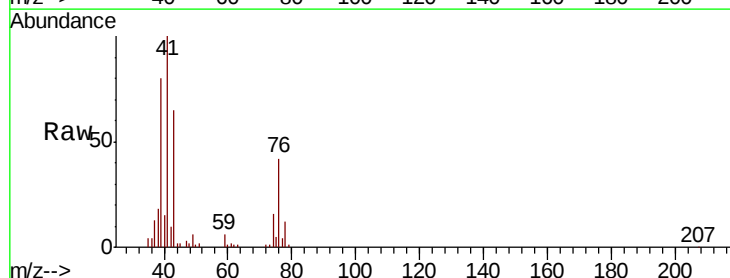
Tgt Ion: 41 Resp: 143901

Ion Ratio Lower Upper

41 100

39 77.4 57.4 86.0

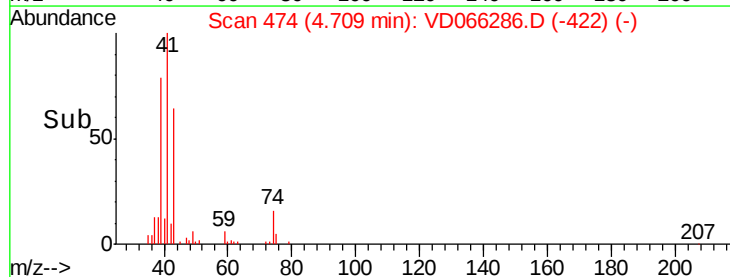
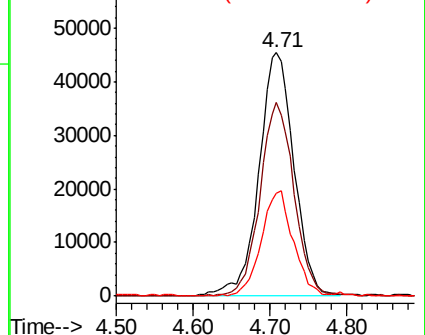
76 39.7 30.1 45.1

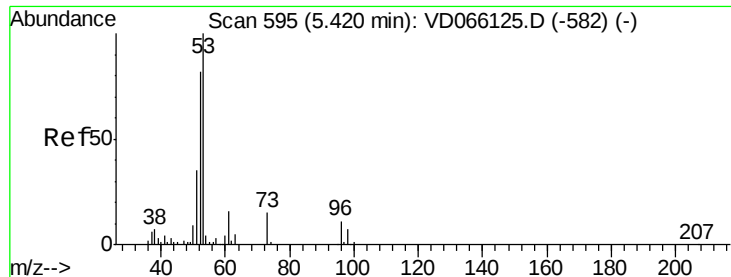


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 216.935 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

S406-K-SO-1-1.5-081420MSD

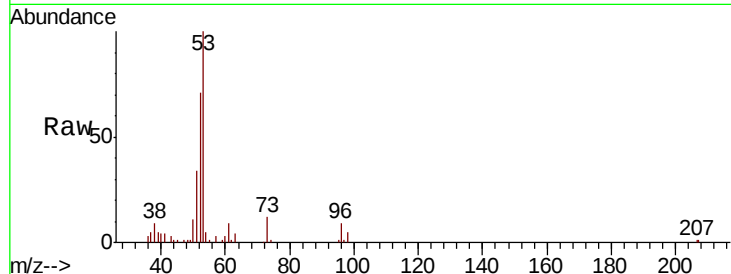
Tot Ion: 53 Resp: 97665

Ion Ratio Lower Upper

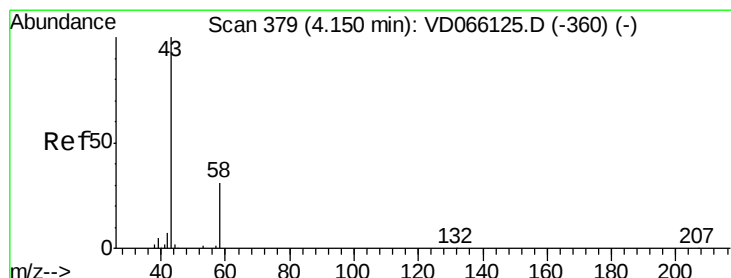
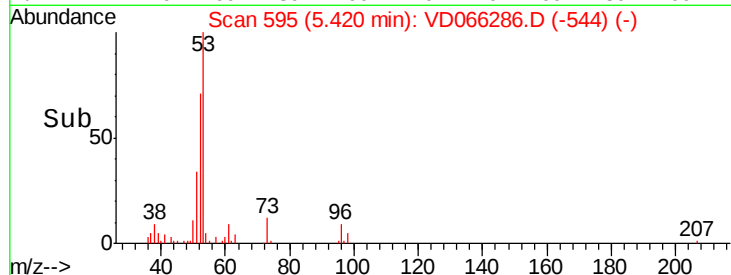
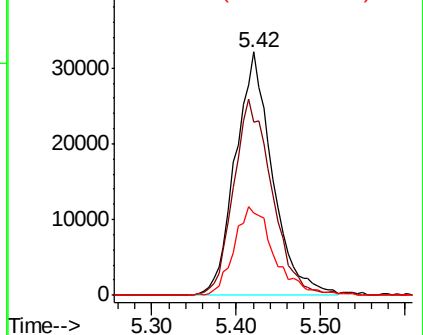
53 100

52 83.5 66.1 99.1

51 39.4 30.8 46.2



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: 183.143 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066286.D

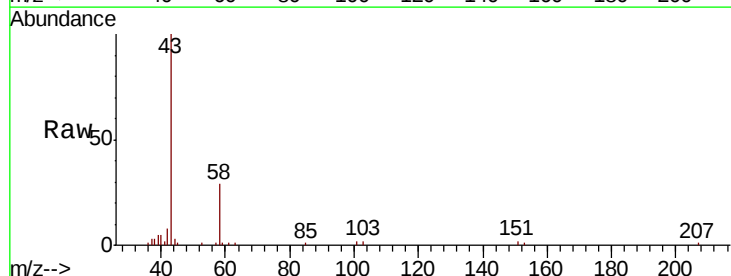
Acq: 18 Aug 2020 18:58

Tgt Ion: 43 Resp: 74207

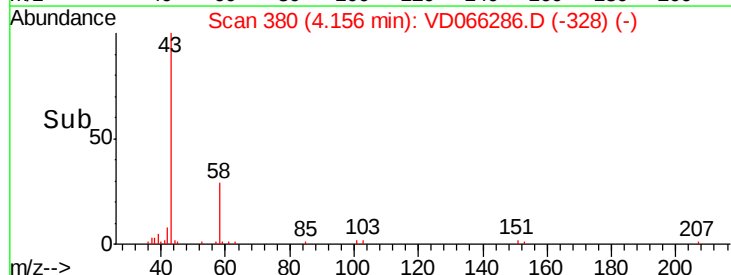
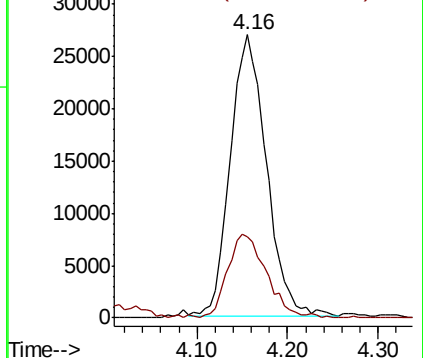
Ion Ratio Lower Upper

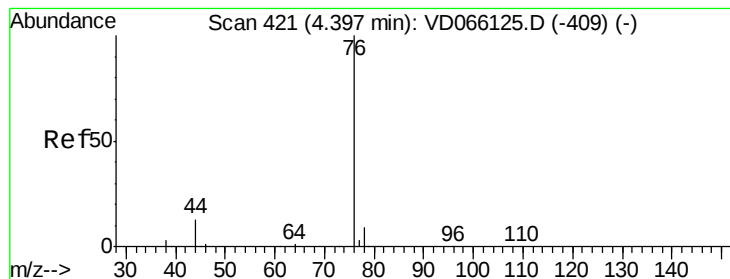
43 100

58 29.0 24.7 37.1



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





#17

Carbon Disulfide

Concen: 38.426 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

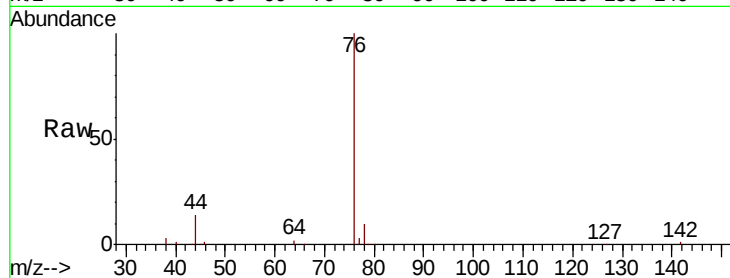
S406-K-SO-1-1.5-081420MSD

Tot Ion: 76 Resp: 258993

Ion Ratio Lower Upper

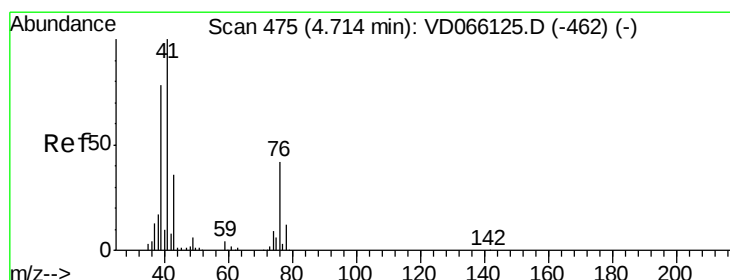
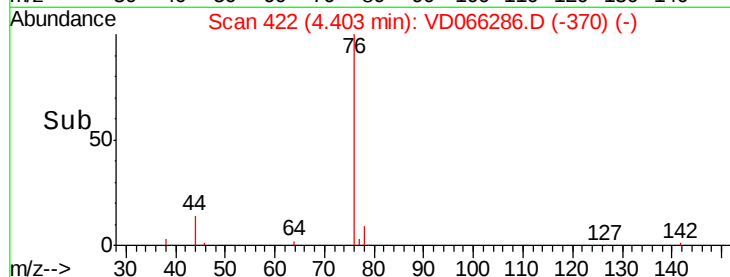
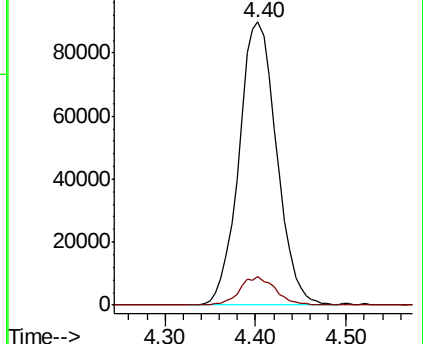
76 100

78 10.2 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 95.116 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066286.D

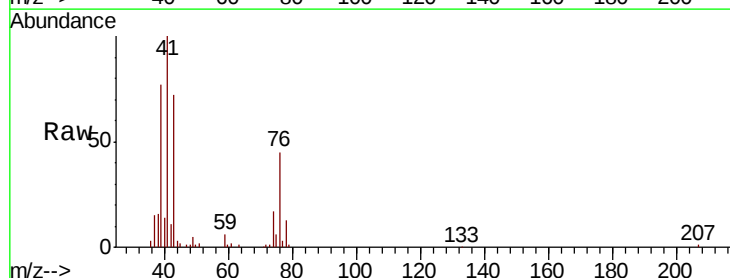
Acq: 18 Aug 2020 18:58

Tgt Ion: 43 Resp: 97892

Ion Ratio Lower Upper

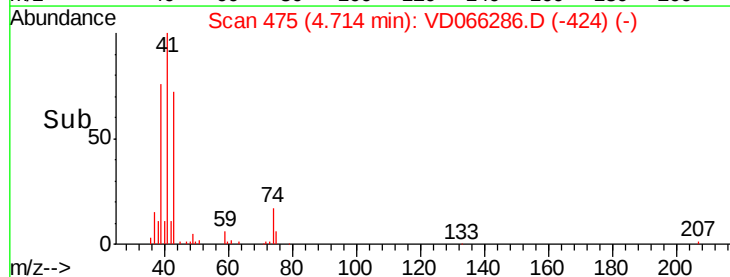
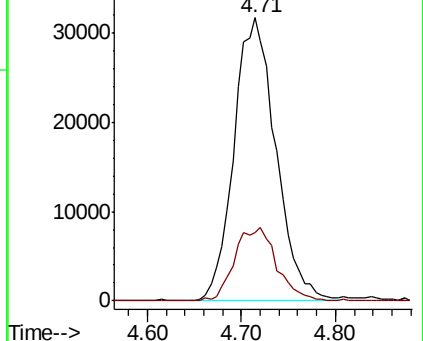
43 100

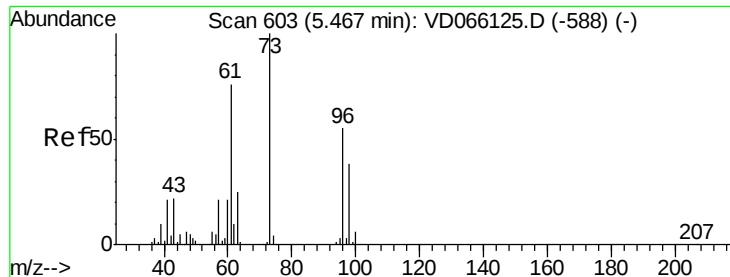
74 25.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

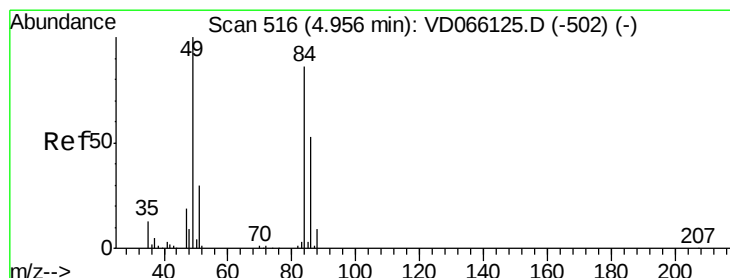
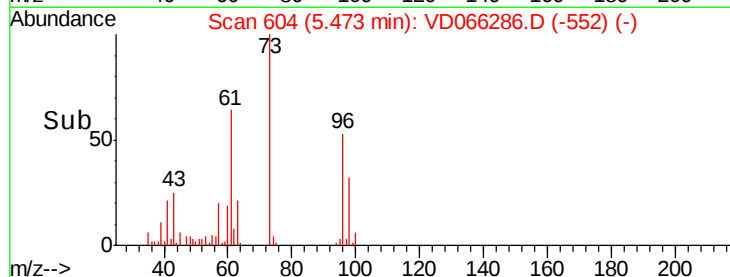
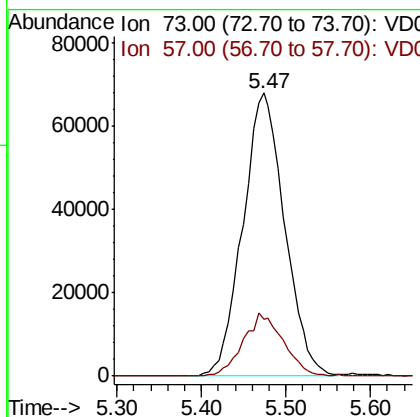
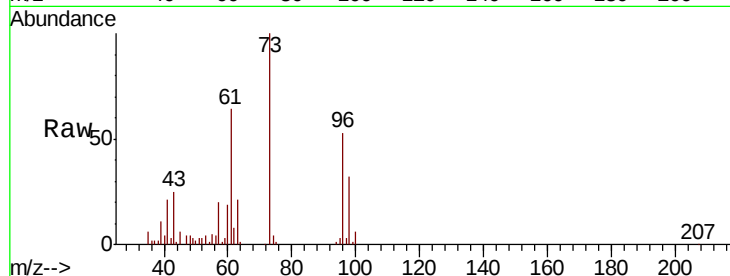




#19
Methyl tert-butyl Ether
Concen: 48.066 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

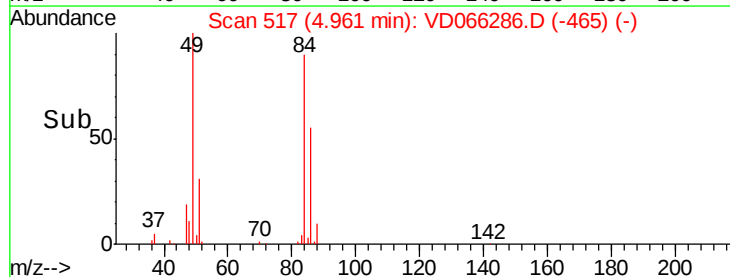
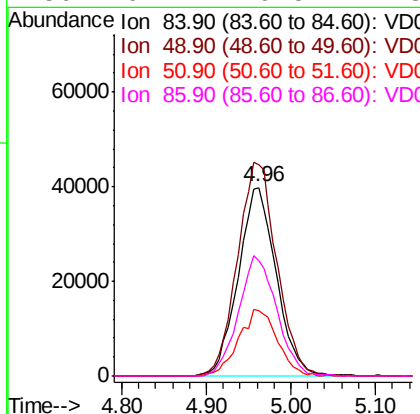
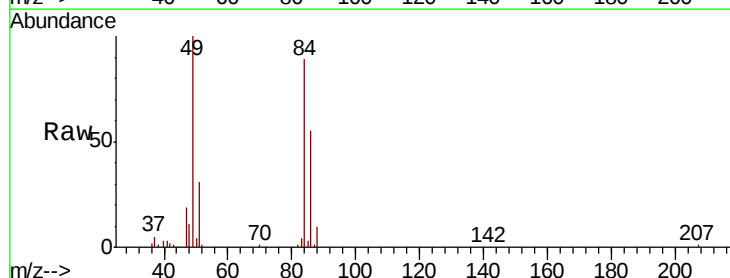
Instrument :
MSVOA_D
ClientSampleId :
S406-K-SO-1-1.5-081420MSD

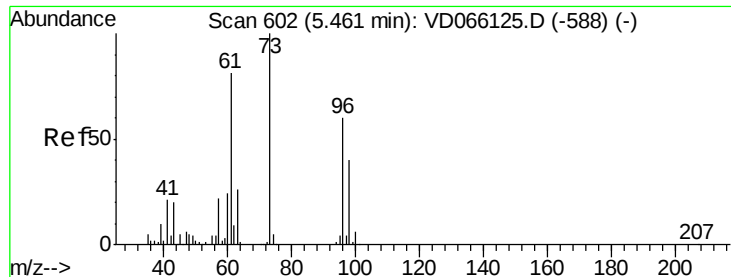
Tot Ion: 73 Resp: 233541
Ion Ratio Lower Upper
73 100
57 19.9 17.1 25.7



#20
Methylene Chloride
Concen: 53.769 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion: 84 Resp: 124301
Ion Ratio Lower Upper
84 100
49 112.3 93.5 140.3
51 34.8 28.2 42.4
86 61.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 45.765 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

S406-K-SO-1-1.5-081420MSD

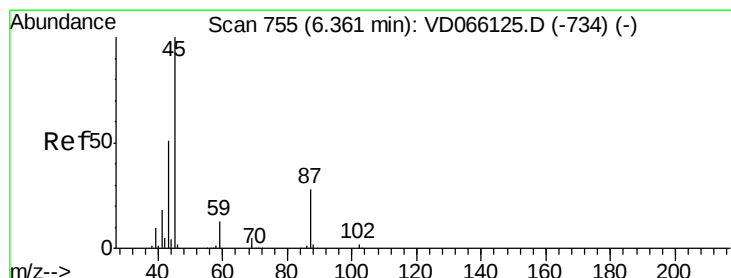
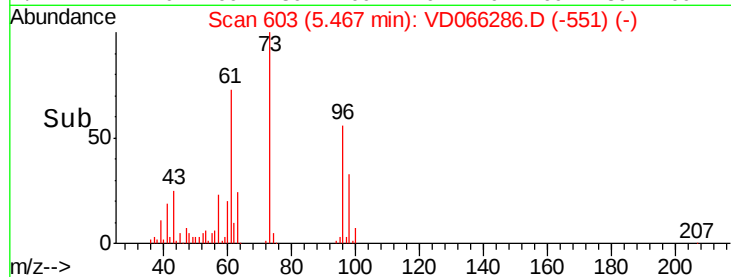
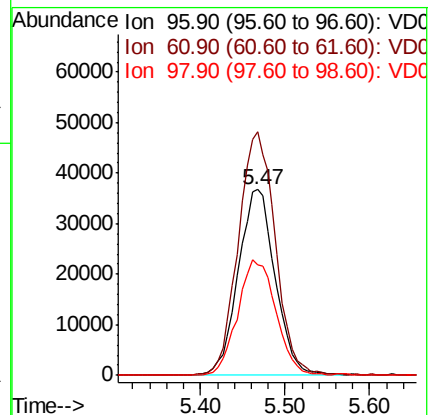
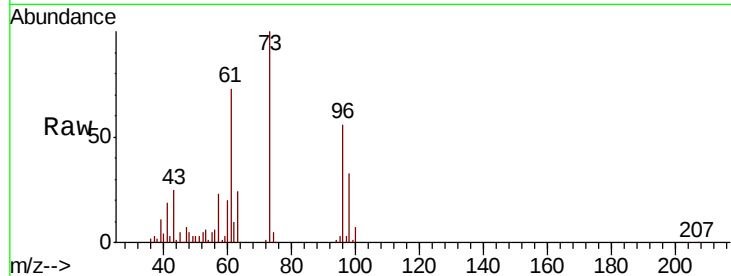
Tot Ion: 96 Resp: 111444

Ion Ratio Lower Upper

96 100

61 131.2 106.9 160.3

98 59.8 53.4 80.0



#22

Diisopropyl ether

Concen: 45.850 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Tgt Ion: 45 Resp: 291181

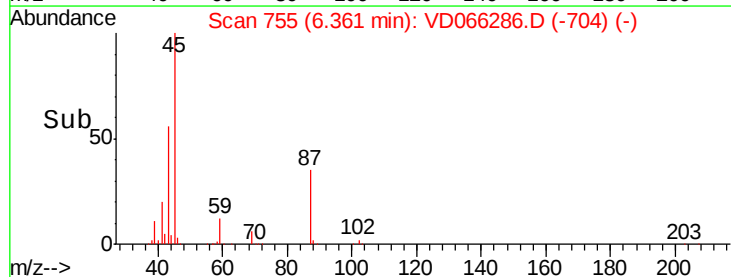
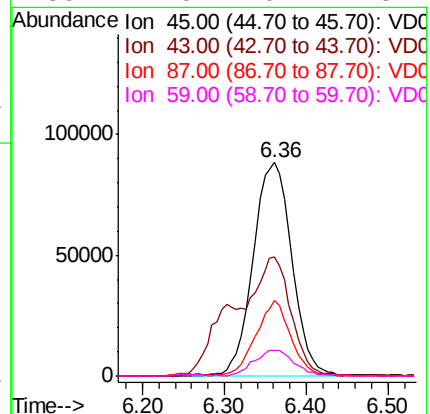
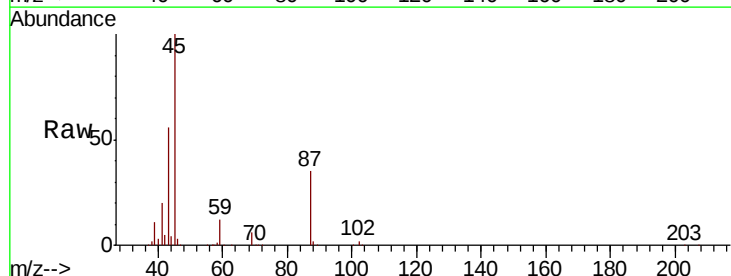
Ion Ratio Lower Upper

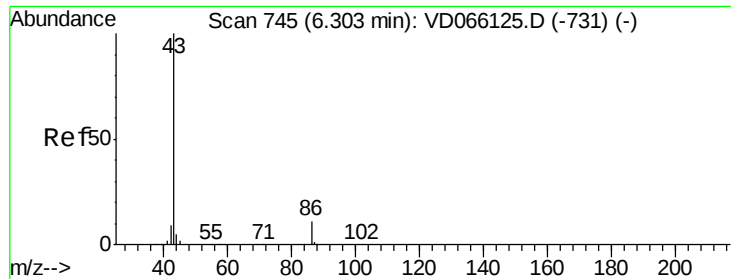
45 100

43 55.0 41.2 61.8

87 35.2 22.8 34.2#

59 12.0 10.2 15.2





#23

Vinyl Acetate

Concen: 17.939 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

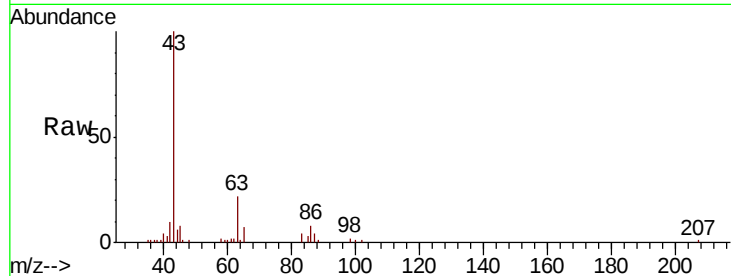
S406-K-SO-1-1.5-081420MSD

Tot Ion: 43 Resp: 66742

Ion Ratio Lower Upper

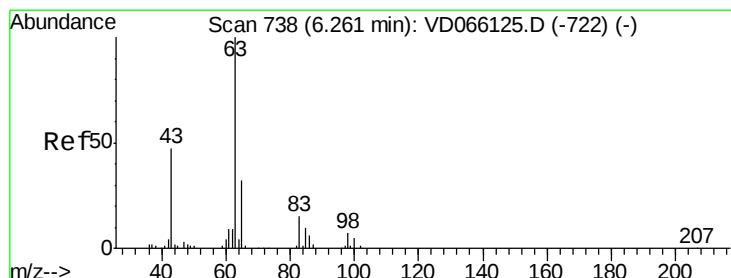
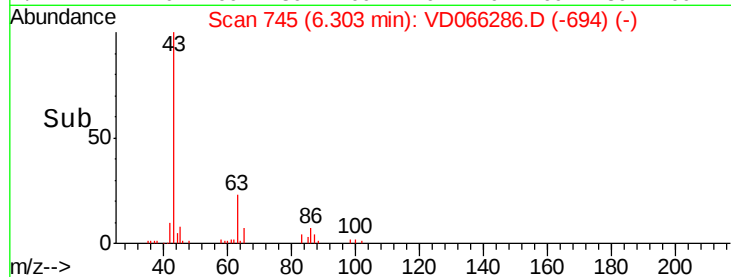
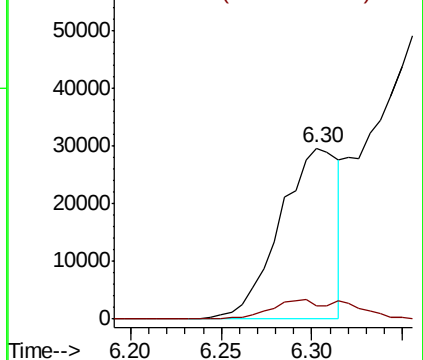
43 100

86 8.1 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.248 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

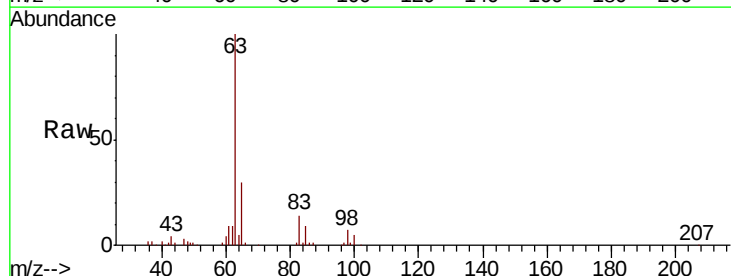
Tgt Ion: 63 Resp: 189626

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

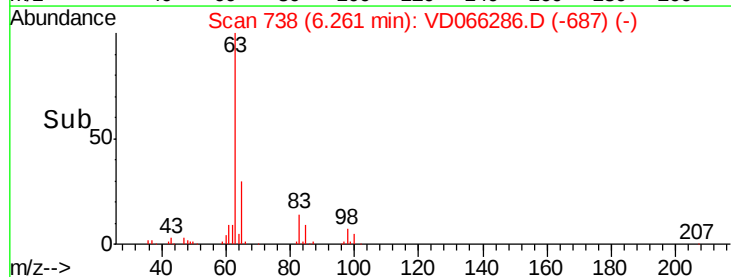
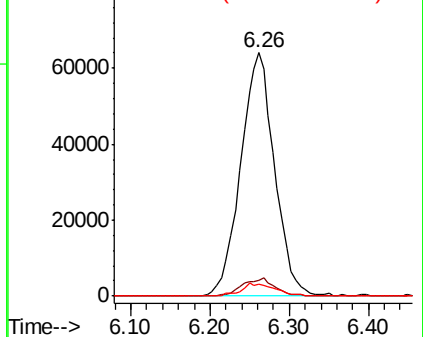
100 5.1 2.4 7.2

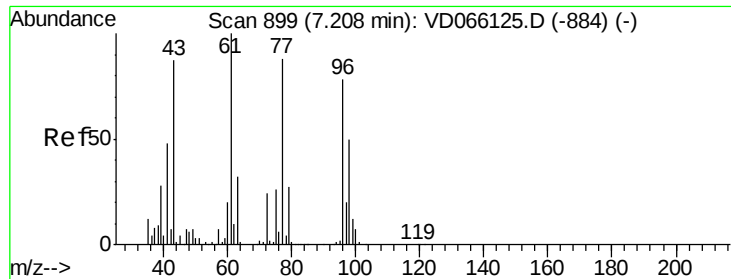


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 196.228 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

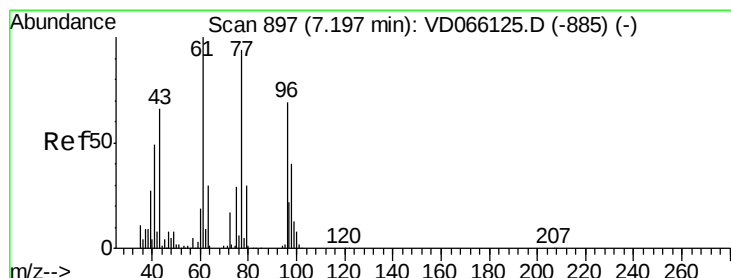
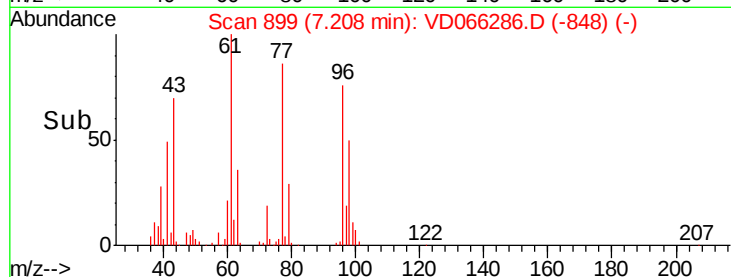
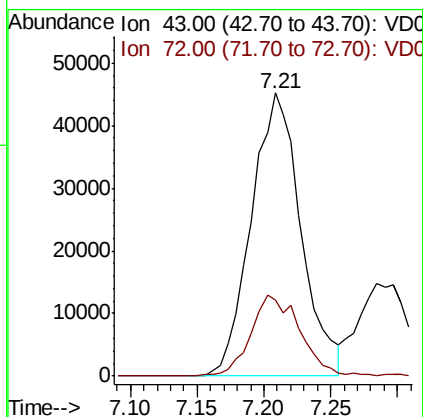
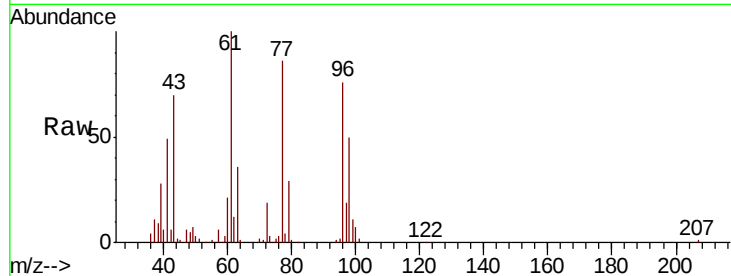
S406-K-SO-1-1.5-081420MSD

Tot Ion: 43 Resp: 116943

Ion Ratio Lower Upper

43 100

72 27.0 22.2 33.2



#26

2,2-Dichloropropane

Concen: 45.852 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066286.D

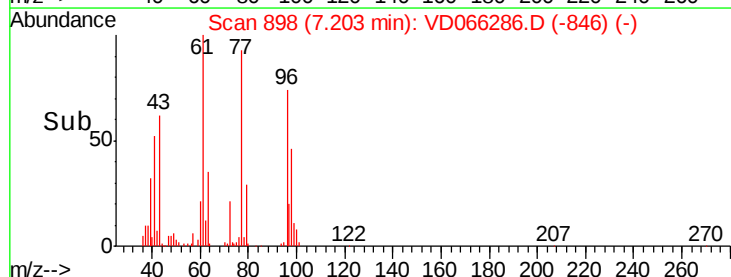
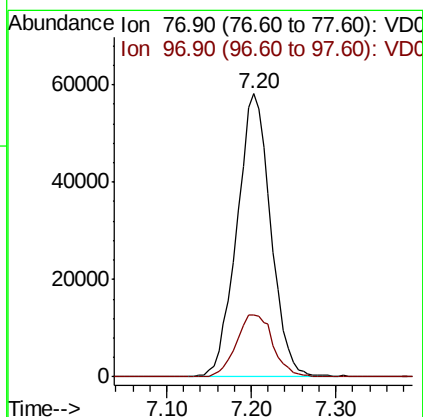
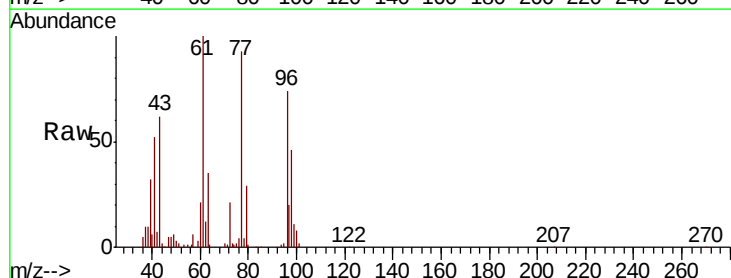
Acq: 18 Aug 2020 18:58

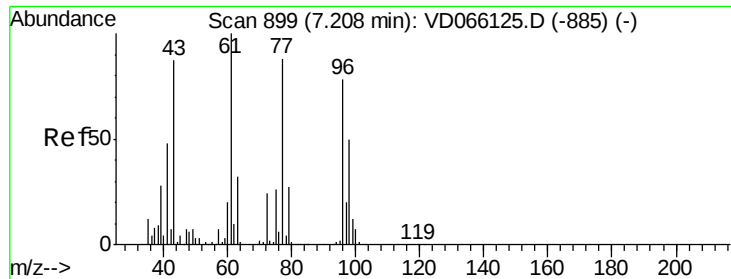
Tgt Ion: 77 Resp: 161516

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.3

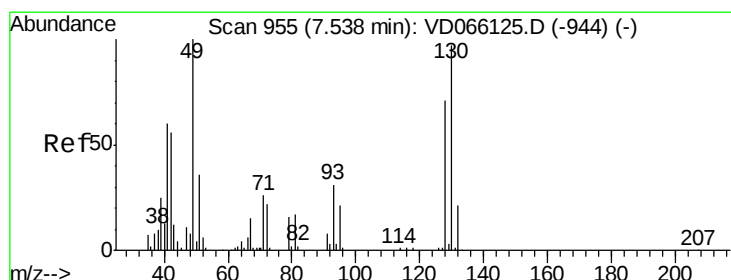
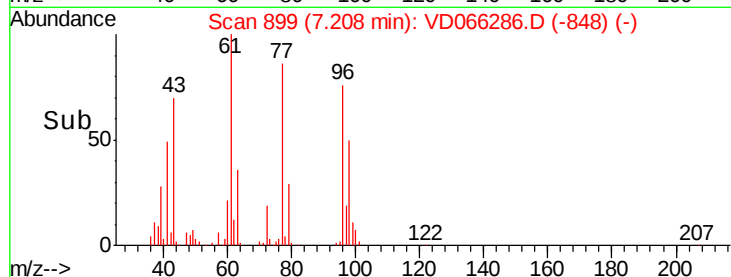
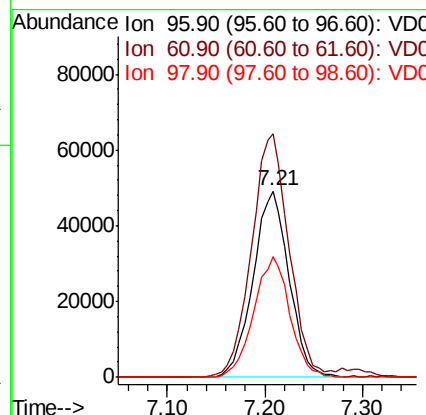
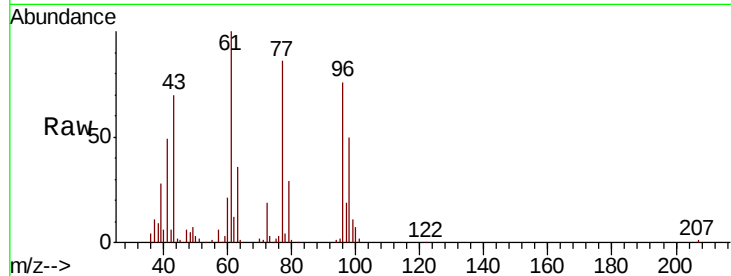




#27
 cis-1,2-Dichloroethene
 Concen: 49.692 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

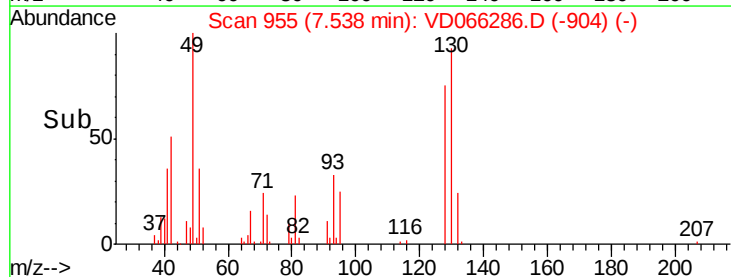
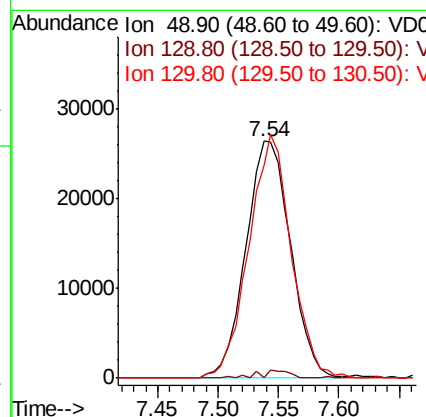
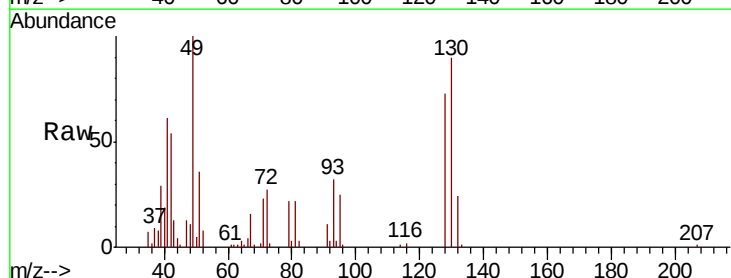
Instrument :
 MSVOA_D
 ClientSampleId :
 S406-K-SO-1-1.5-081420MSD

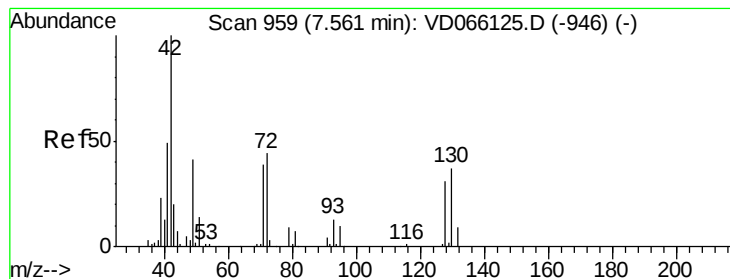
Tot Ion: 96 Resp: 126922
 Ion Ratio Lower Upper
 96 100
 61 136.7 0.0 281.6
 98 65.2 0.0 130.8



#28
 Bromochloromethane
 Concen: 49.280 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. 0.00 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

Tgt Ion: 49 Resp: 68026
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 6.0
 130 97.2 73.8 110.6





#29

Tetrahydrofuran

Concen: 207.346 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

S406-K-SO-1-1.5-081420MSD

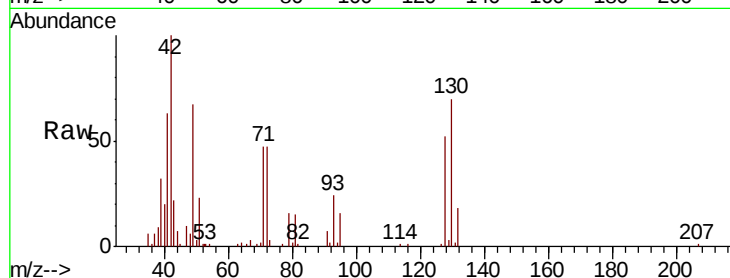
Tot Ion: 42 Resp: 76559

Ion Ratio Lower Upper

42 100

72 47.0 34.8 52.2

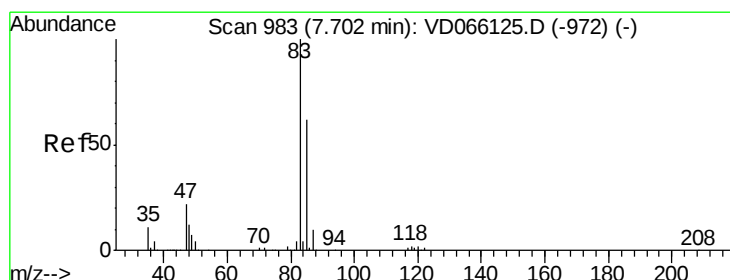
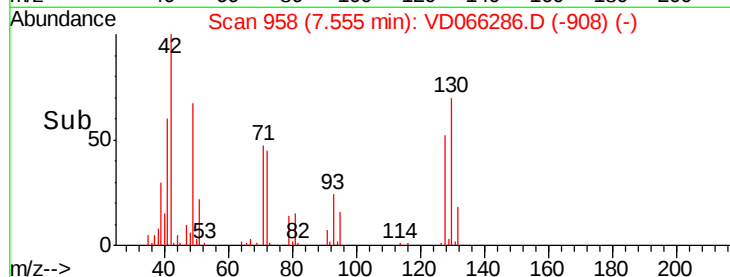
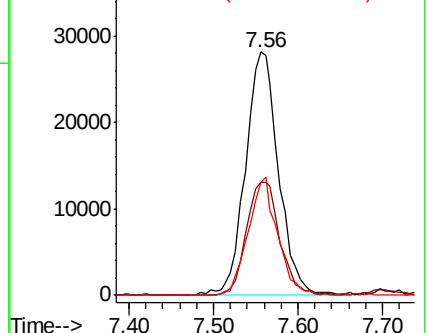
71 43.1 33.5 50.3



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 51.641 ug/l

RT: 7.70 min Scan# 983

Delta R.T. 0.00 min

Lab File: VD066286.D

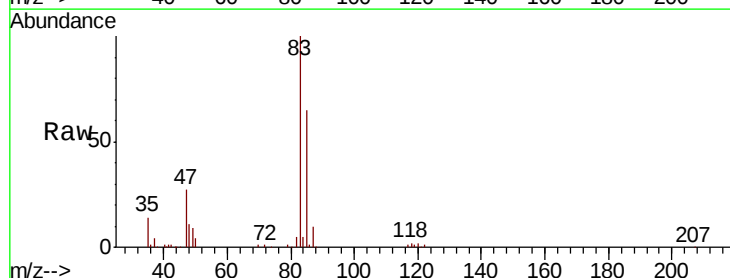
Acq: 18 Aug 2020 18:58

Tgt Ion: 83 Resp: 213115

Ion Ratio Lower Upper

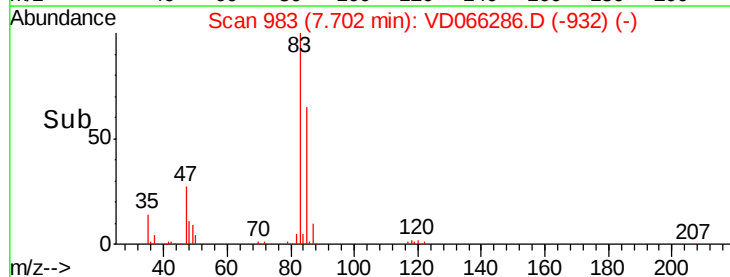
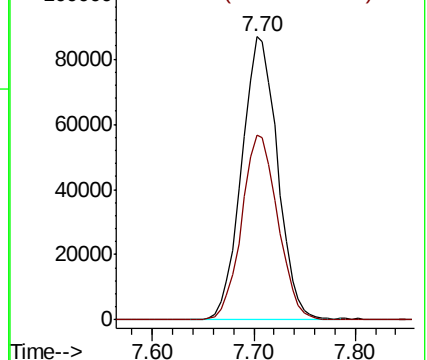
83 100

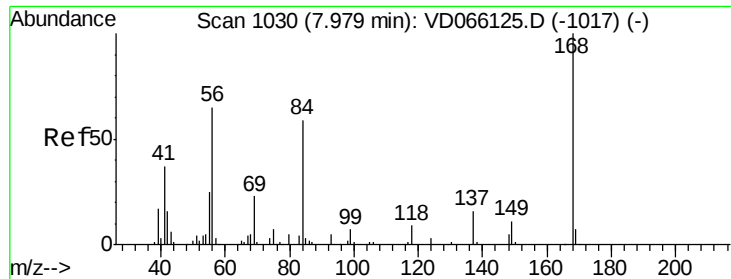
85 65.4 49.5 74.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

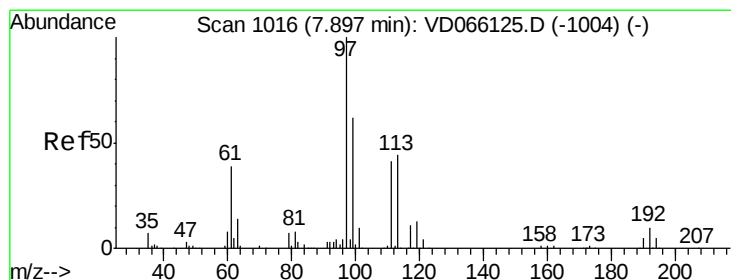
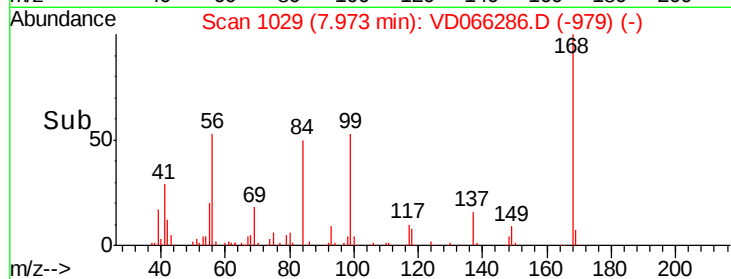
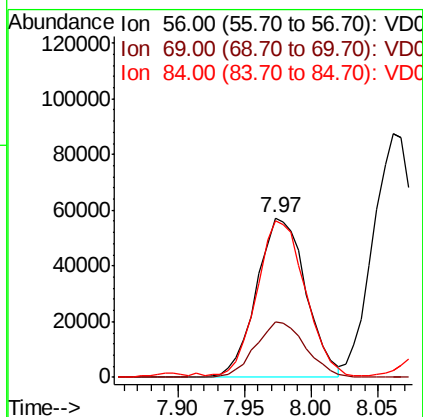
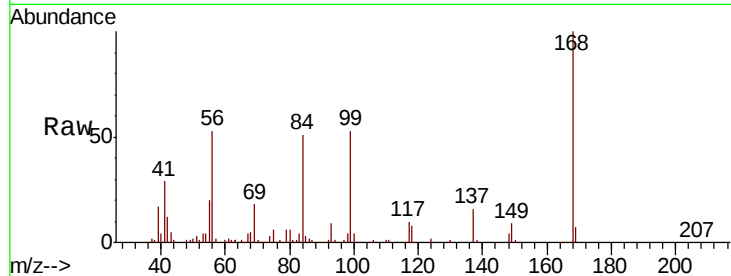




#31
Cyclohexane
Concen: 39.259 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

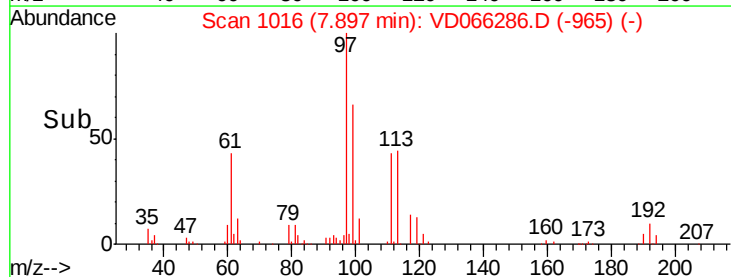
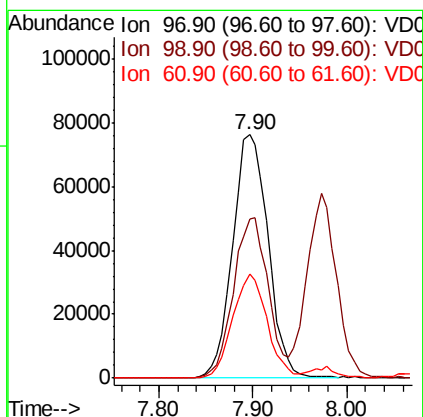
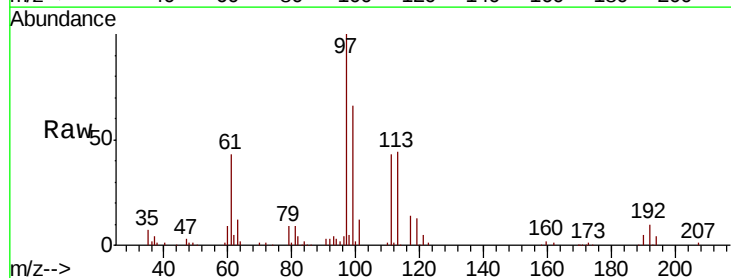
Instrument :
MSVOA_D
ClientSampleId :
S406-K-SO-1-1.5-081420MSD

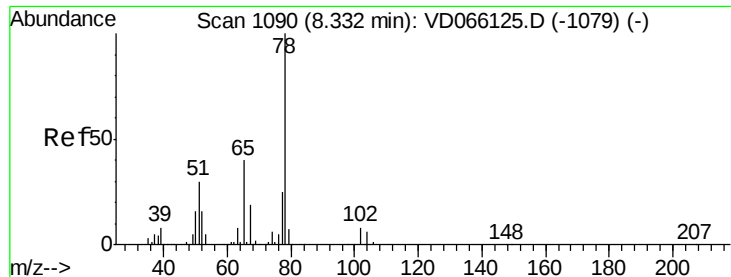
Tot Ion: 56 Resp: 146874
Ion Ratio Lower Upper
56 100
69 34.7 28.8 43.2
84 96.5 73.0 109.6



#32
1,1,1-Trichloroethane
Concen: 51.717 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion: 97 Resp: 200113
Ion Ratio Lower Upper
97 100
99 64.7 51.1 76.7
61 41.4 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 53.234 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

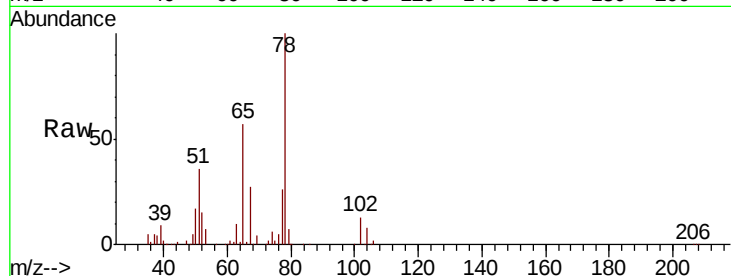
S406-K-SO-1-1.5-081420MSD

Tot Ion: 65 Resp: 113679

Ion Ratio Lower Upper

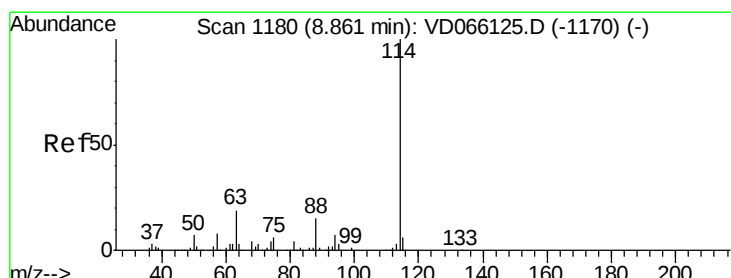
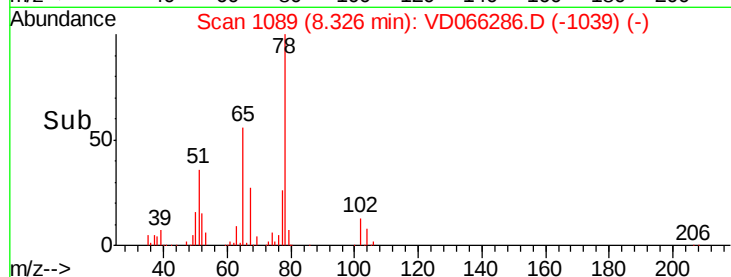
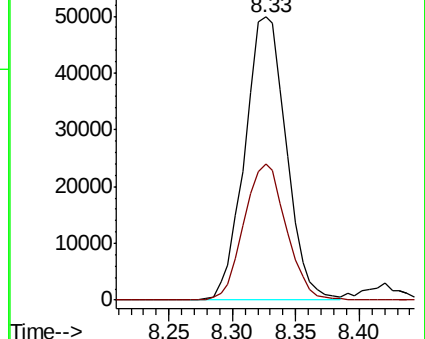
65 100

67 49.0 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1179

Delta R.T. -0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

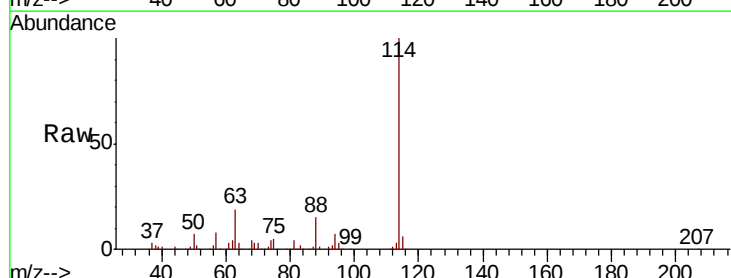
Tgt Ion: 114 Resp: 346848

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

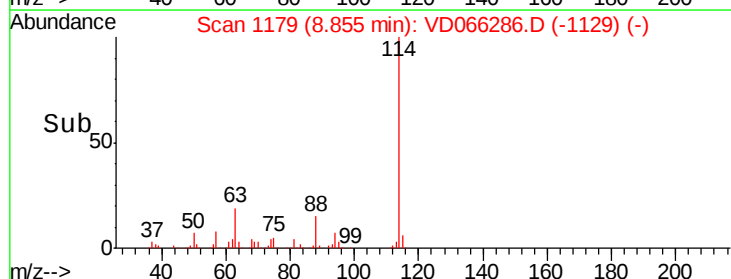
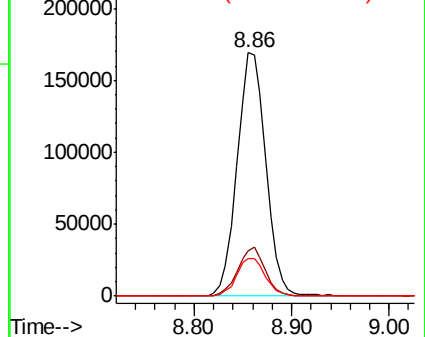
88 15.4 0.0 30.0

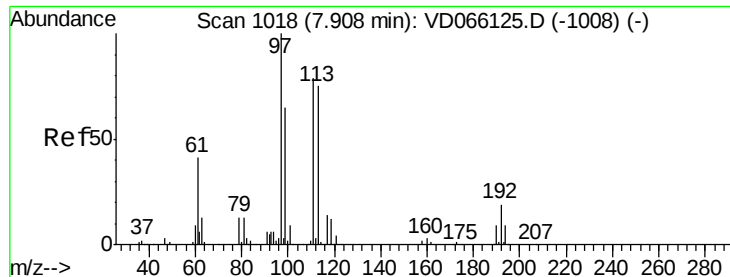


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 53.065 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

S406-K-SO-1-1.5-081420MSD

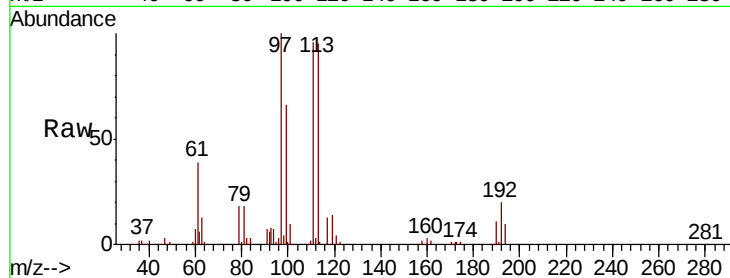
Tot Ion:113 Resp: 116598

Ion Ratio Lower Upper

113 100

111 101.6 80.7 121.1

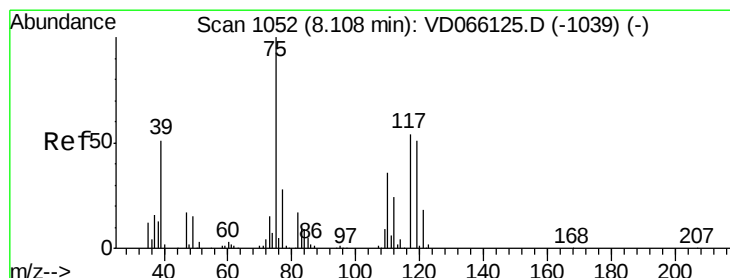
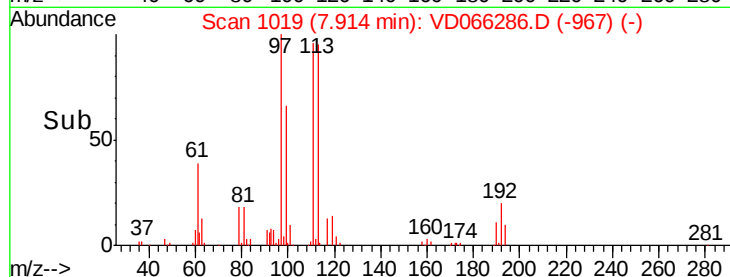
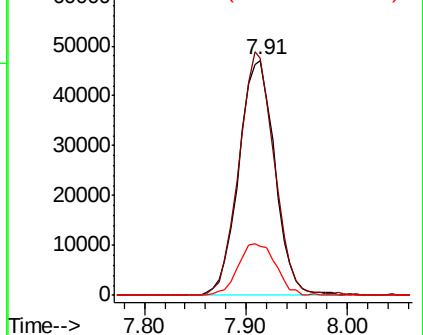
192 22.9 18.4 27.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.398 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

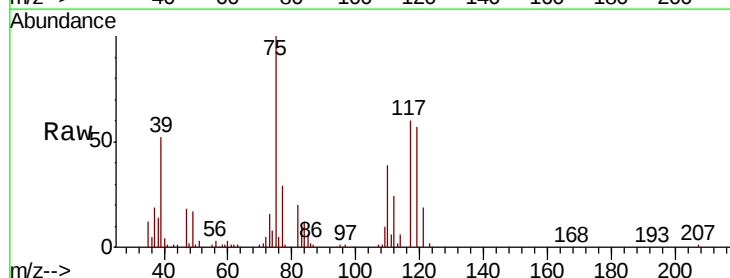
Tgt Ion: 75 Resp: 151227

Ion Ratio Lower Upper

75 100

110 37.9 18.8 56.3

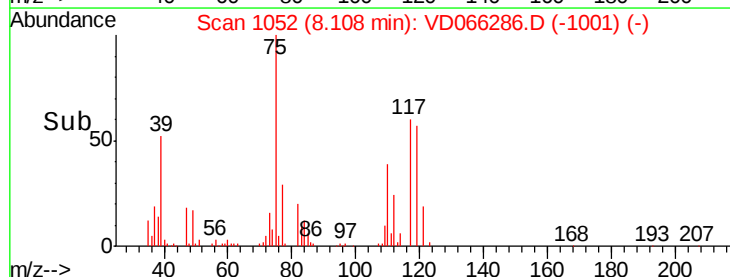
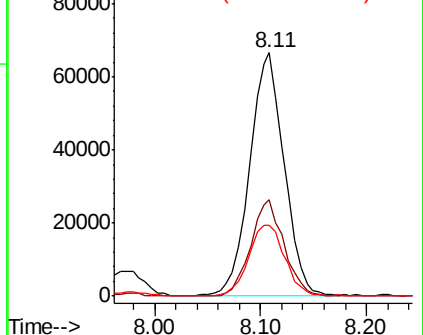
77 30.7 24.2 36.2

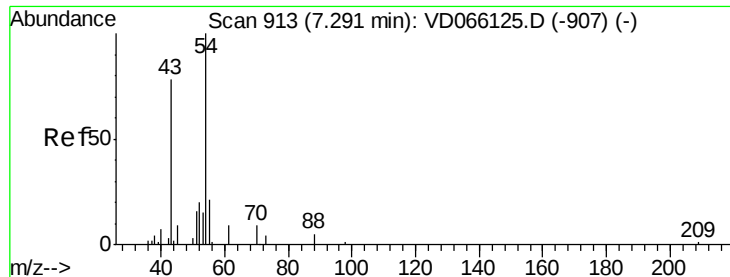


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

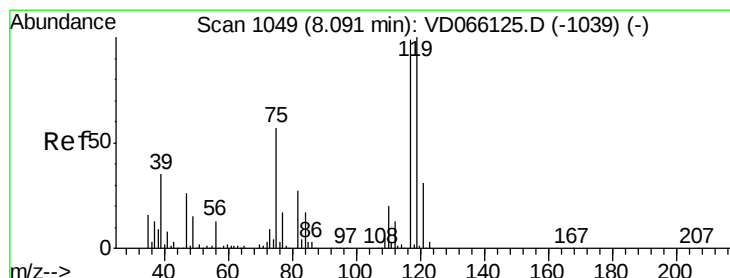
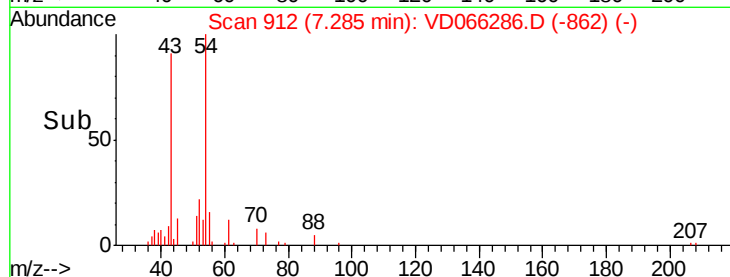
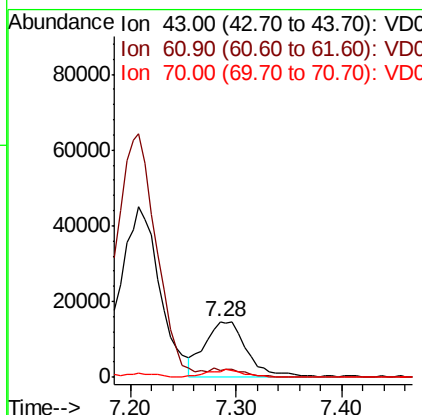
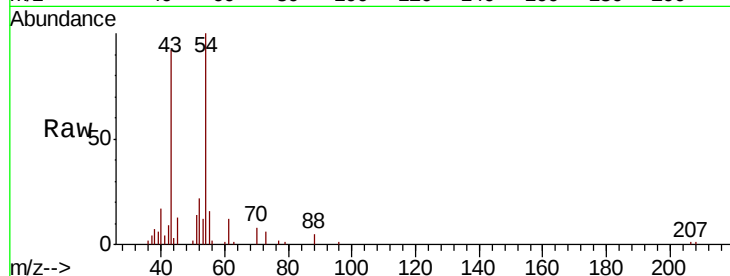




#37
Ethyl Acetate
Concen: 32.121 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

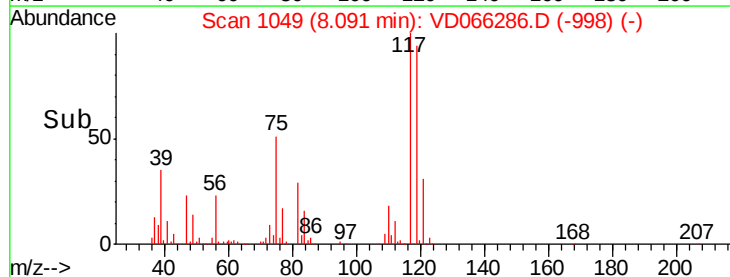
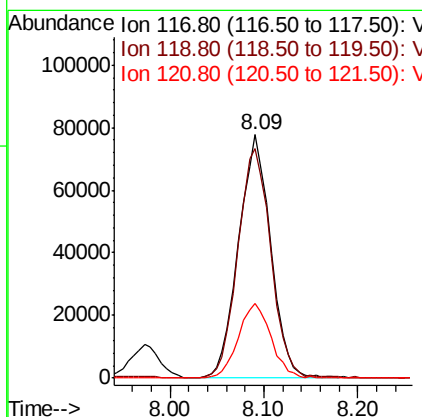
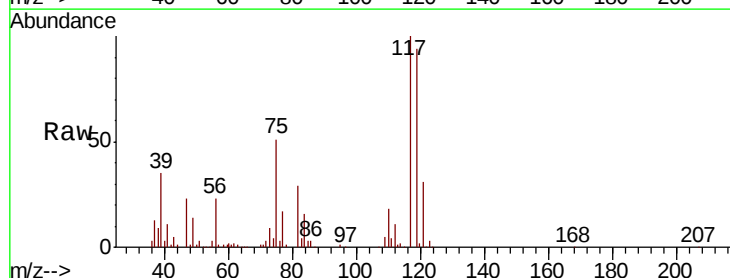
Instrument :
MSVOA_D
ClientSampleId :
S406-K-SO-1-1.5-081420MSD

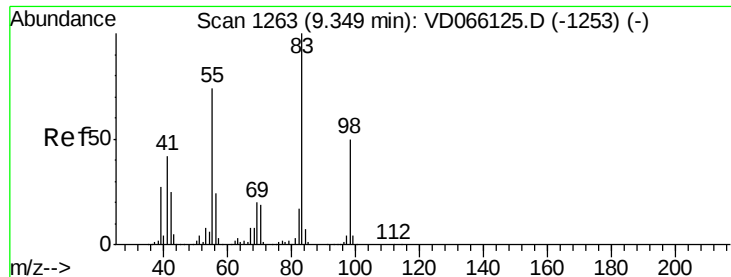
Tot Ion: 43 Resp: 41481
Ion Ratio Lower Upper
43 100
61 12.6 12.0 18.0
70 11.9 9.7 14.5



#38
Carbon Tetrachloride
Concen: 50.752 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion: 117 Resp: 184465
Ion Ratio Lower Upper
117 100
119 94.0 81.0 121.4
121 30.5 24.8 37.2

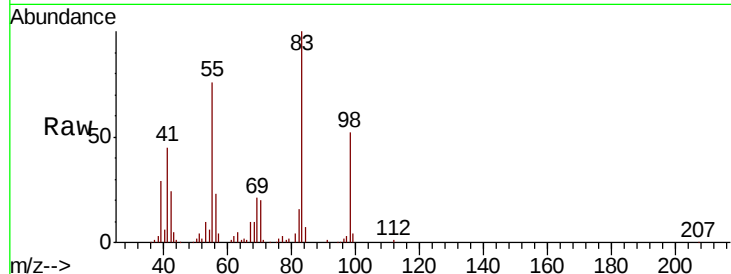




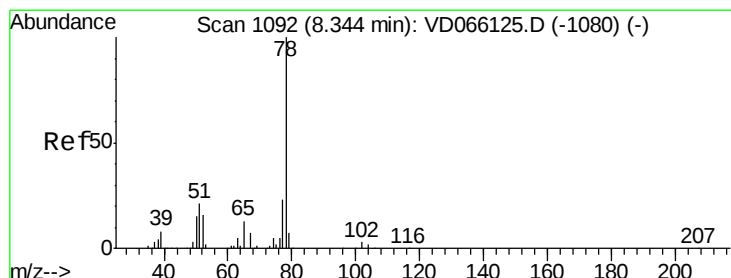
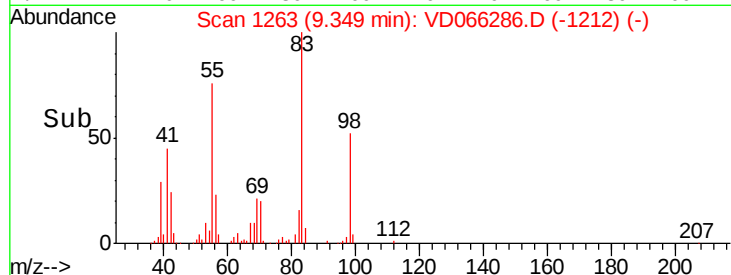
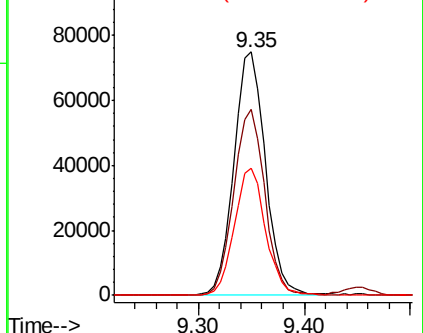
#39
Methvlcvclohexane
Concen: 39.331 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Instrument :
MSVOA_D
ClientSampleId :
S406-K-SO-1-1.5-081420MSD

Tot Ion: 83 Resp: 154964
Ion Ratio Lower Upper
83 100
55 76.4 59.2 88.8
98 52.1 39.8 59.6

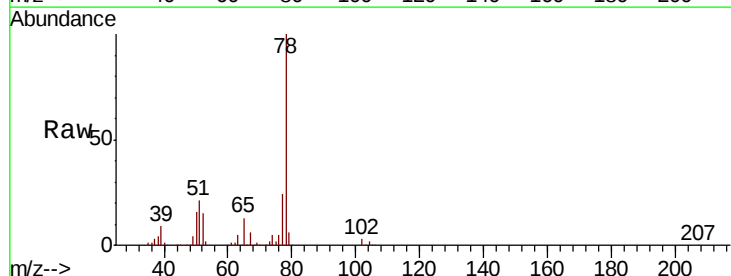


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

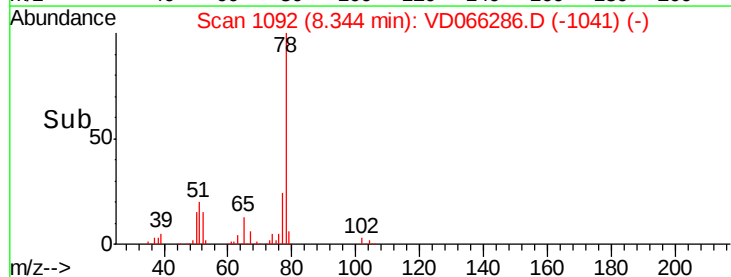
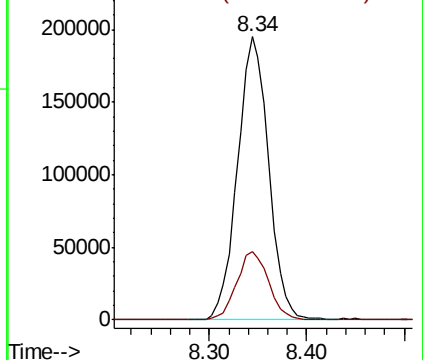


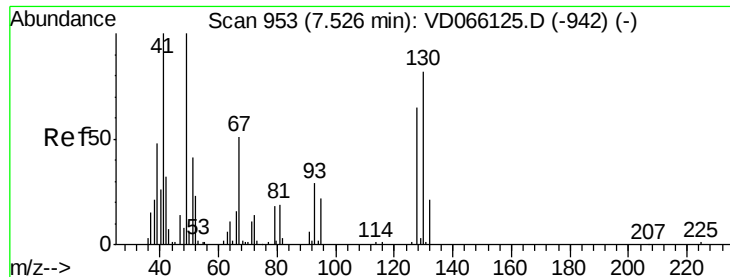
#40
Benzene
Concen: 48.112 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion: 78 Resp: 435012
Ion Ratio Lower Upper
78 100
77 24.1 18.6 27.8



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

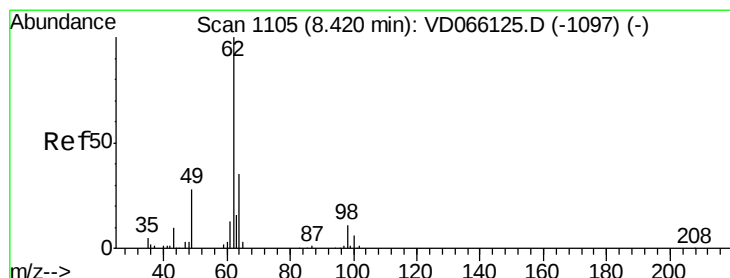
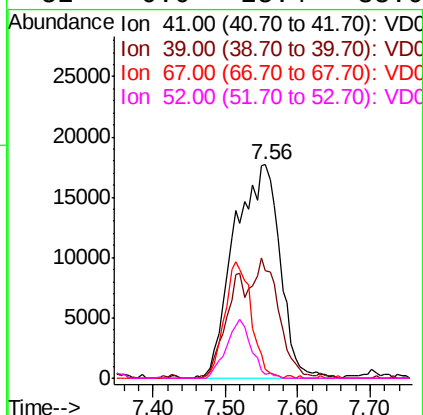
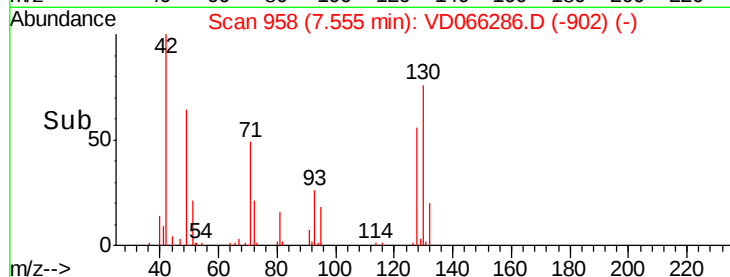
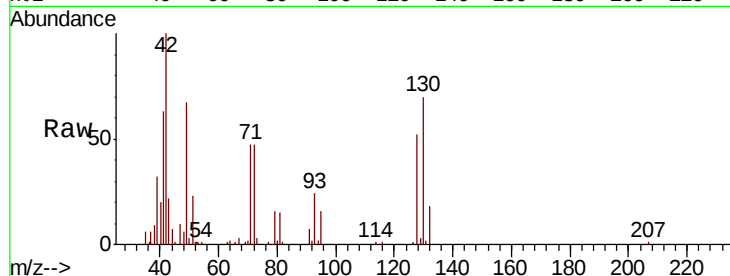




#41
Methacrylonitrile
Concen: 102.210 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.03 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

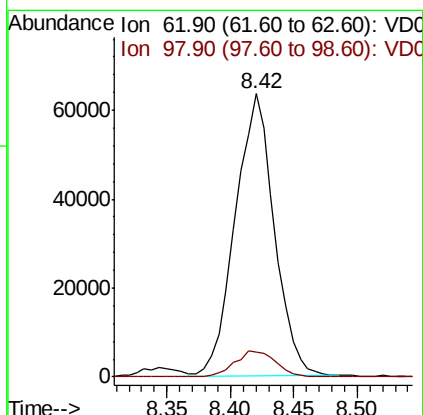
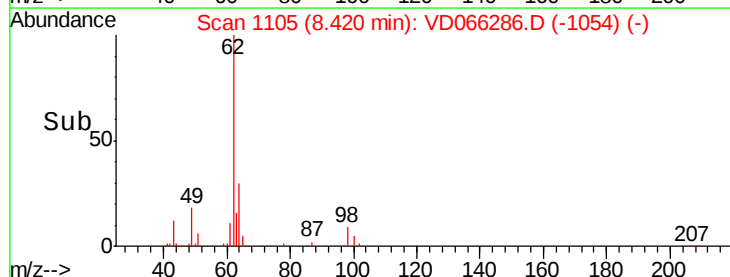
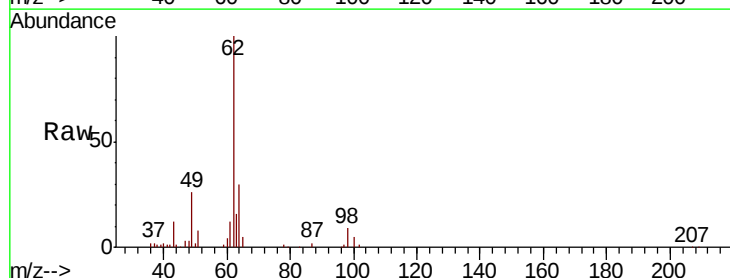
Instrument :
MSVOA_D
ClientSampleId :
S406-K-SO-1-1.5-081420MSD

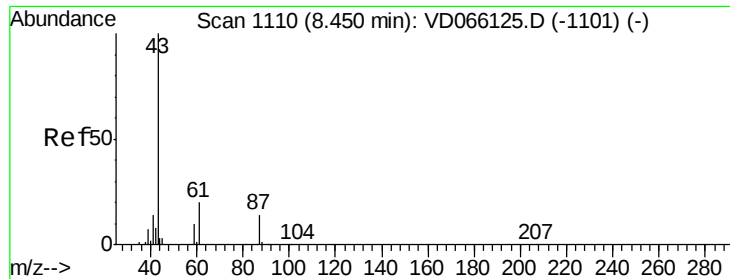
Tot Ion: 41 Resp: 77608
Ion Ratio Lower Upper
41 100
39 31.1 47.5 71.3#
67 0.0 59.1 88.7#
52 0.0 25.4 38.0#



#42
1,2-Dichloroethane
Concen: 51.125 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion: 62 Resp: 135796
Ion Ratio Lower Upper
62 100
98 9.7 0.0 20.4



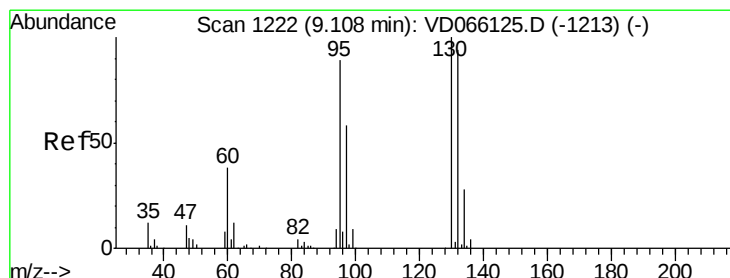
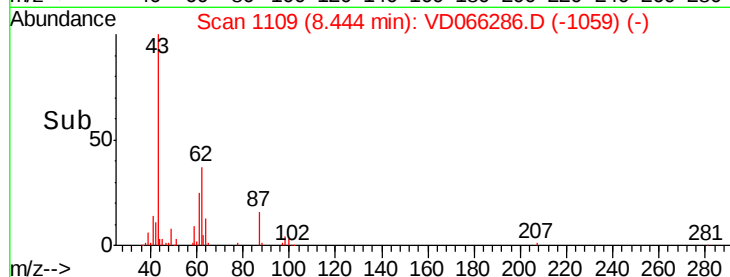
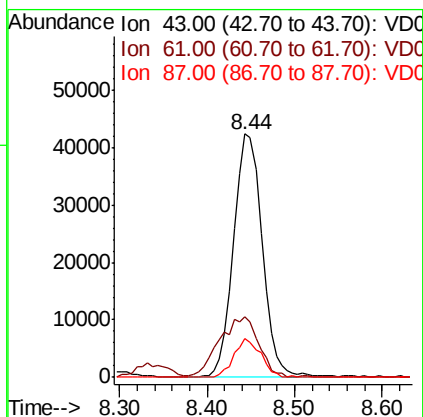
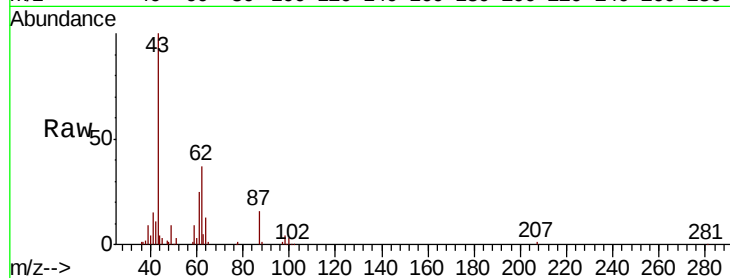


#43

Isopropyl Acetate
 Concen: 37.202 ug/l
 RT: 8.44 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

Instrument :
 MSVOA_D
 ClientSampleId :
 S406-K-SO-1-1.5-081420MSD

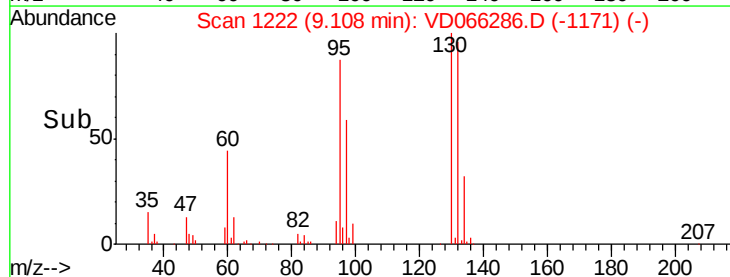
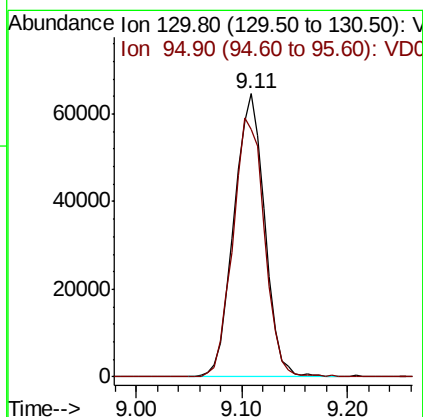
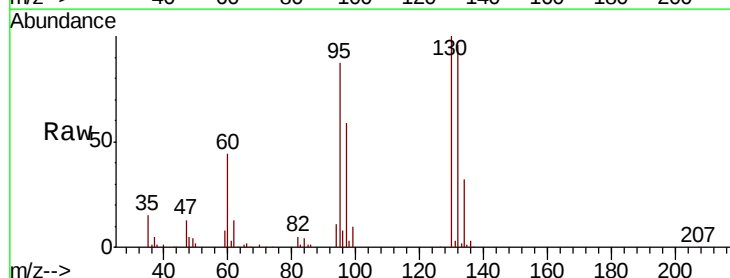
Tot Ion	43	Resp	94656
Ion Ratio	100		
Lower	25.5		
Upper	38.3		
61	34.1		
87	14.7		
	11.2		
	16.8		

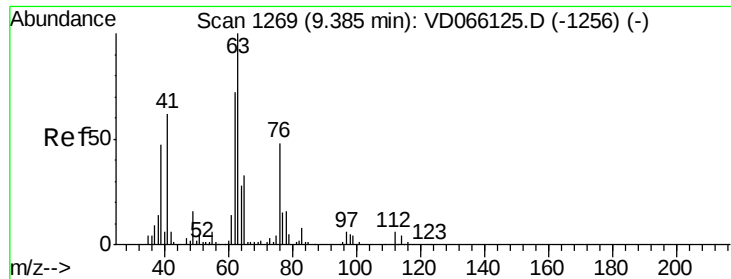


#44

Trichloroethene
 Concen: 47.588 ug/l
 RT: 9.11 min Scan# 1222
 Delta R.T. 0.00 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

Tgt Ion	130	Resp	129655
Ion Ratio	100		
Lower	0.0		
Upper	178.4		
95	87.4		





#45

1,2-Dichloropropane

Concen: 48.288 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

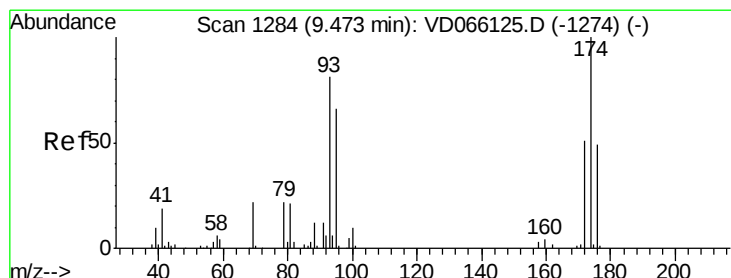
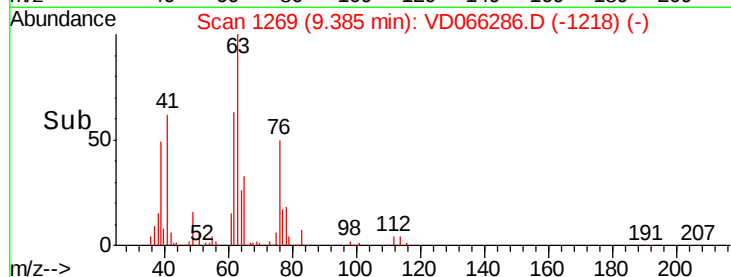
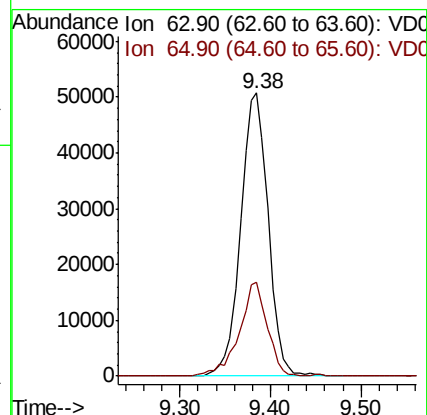
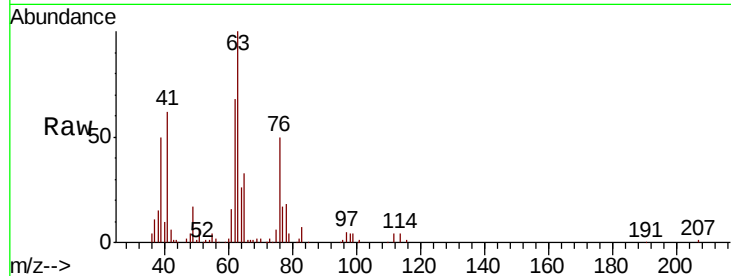
S406-K-SO-1-1.5-081420MSD

Tot Ion: 63 Resp: 106780

Ion Ratio Lower Upper

63 100

65 33.1 26.5 39.7



#46

Dibromomethane

Concen: 49.640 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

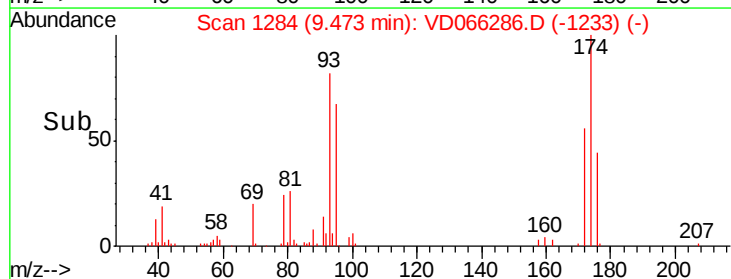
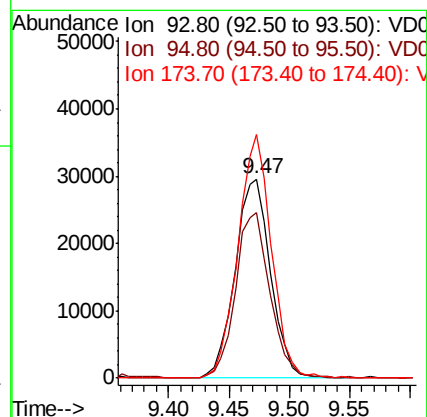
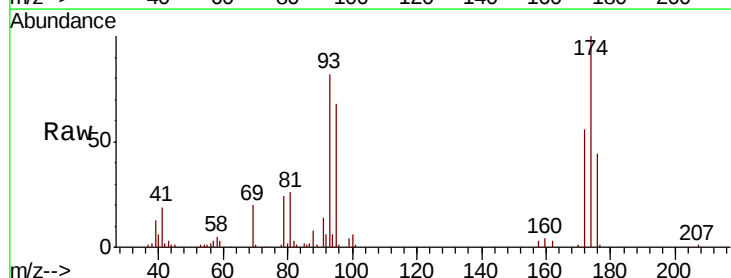
Tgt Ion: 93 Resp: 60465

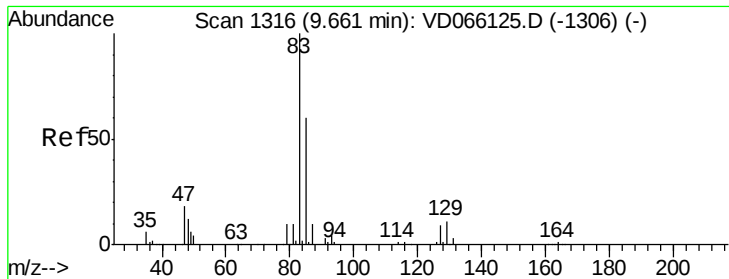
Ion Ratio Lower Upper

93 100

95 80.7 65.8 98.6

174 115.6 92.8 139.2





#47

Bromodichloromethane

Concen: 51.258 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

S406-K-SO-1-1.5-081420MSD

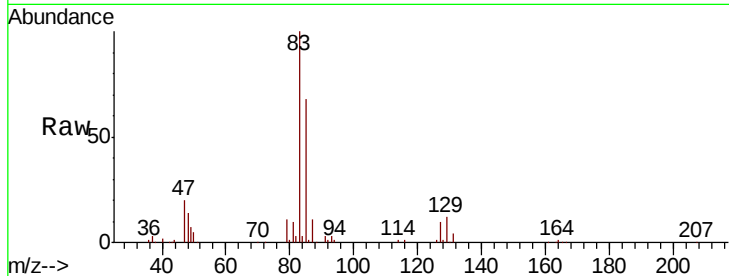
Tot Ion: 83 Resp: 165017

Ion Ratio Lower Upper

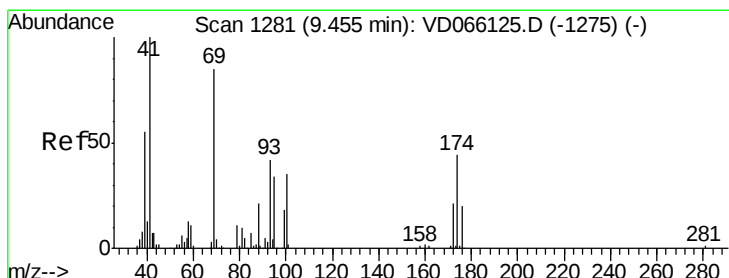
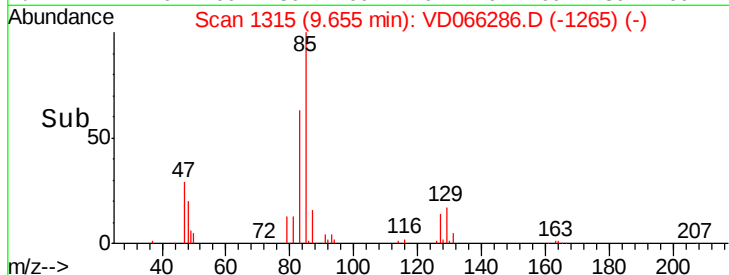
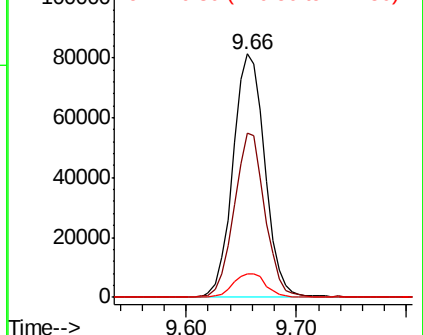
83 100

85 67.6 48.2 72.4

127 9.7 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 48.628 ug/l

RT: 9.45 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

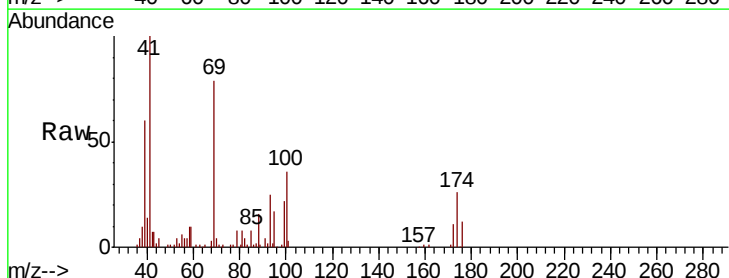
Tgt Ion: 41 Resp: 63179

Ion Ratio Lower Upper

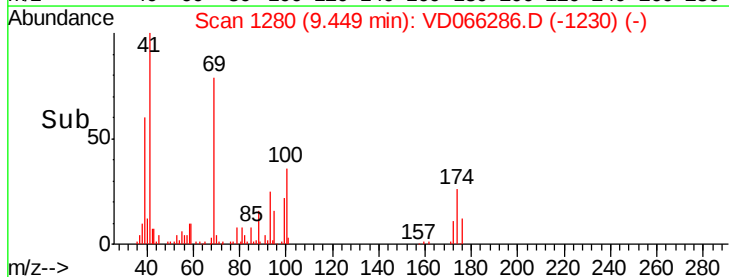
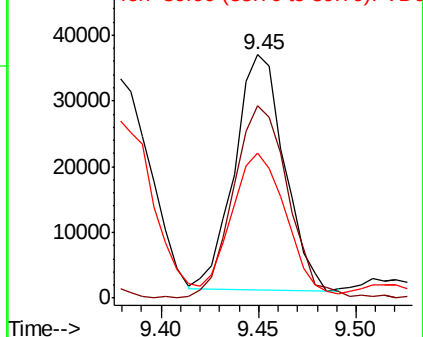
41 100

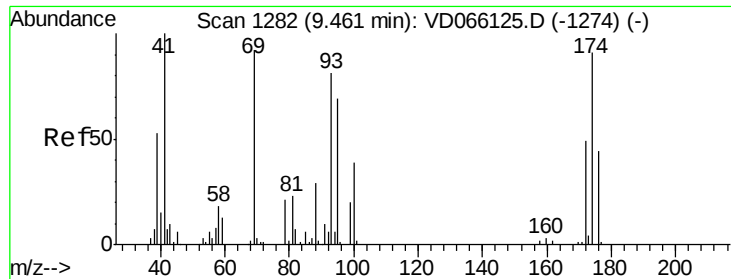
69 90.6 63.9 95.9

39 68.1 42.6 64.0#



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 870.341 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

S406-K-SO-1-1.5-081420MSD

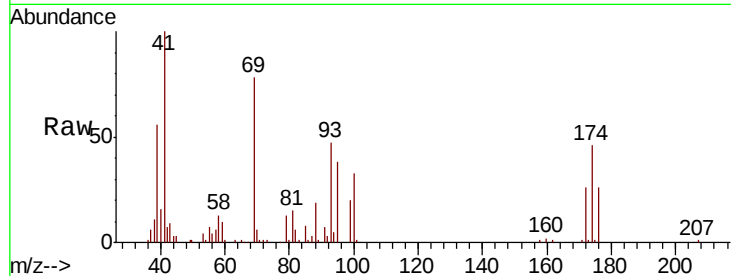
Tot Ion: 88 Resp: 13620

Ion Ratio Lower Upper

88 100

43 40.8 27.5 41.3

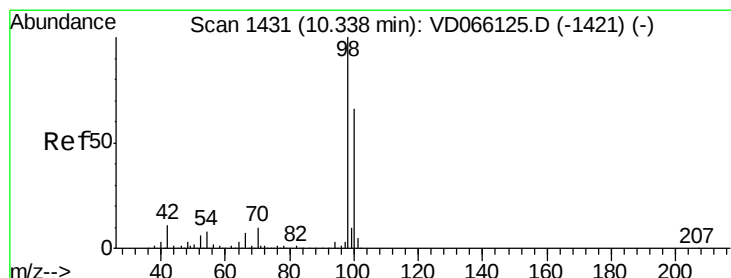
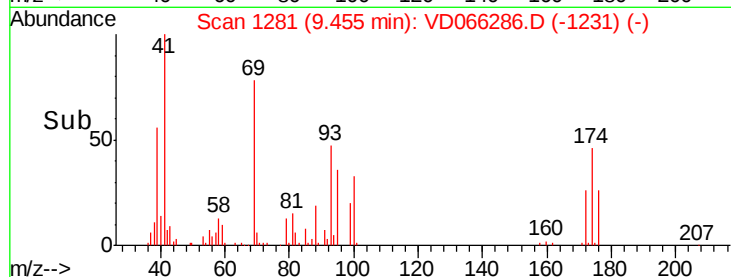
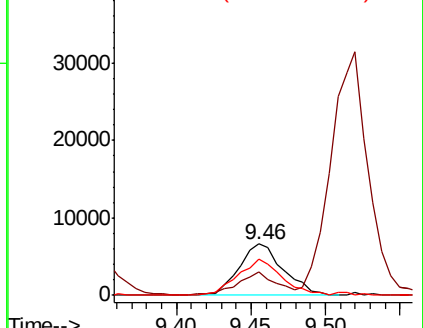
58 69.9 50.2 75.4



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 51.012 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066286.D

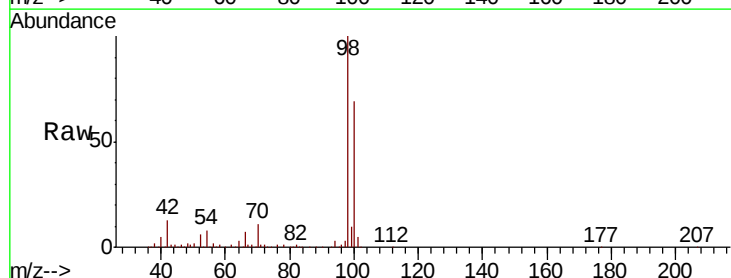
Acq: 18 Aug 2020 18:58

Tgt Ion: 98 Resp: 413626

Ion Ratio Lower Upper

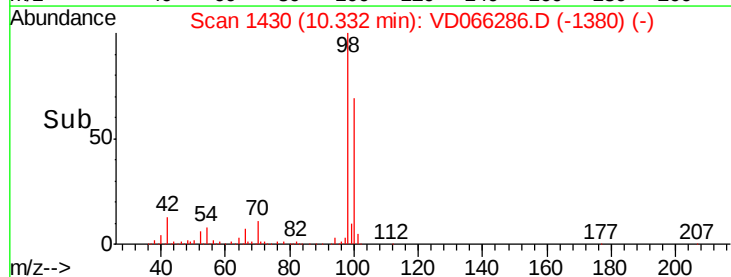
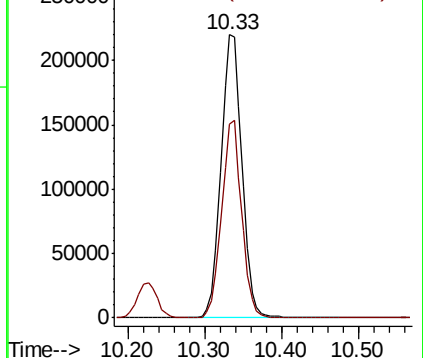
98 100

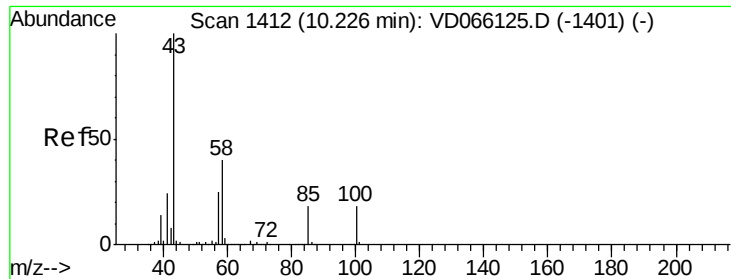
100 67.0 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 211.802 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

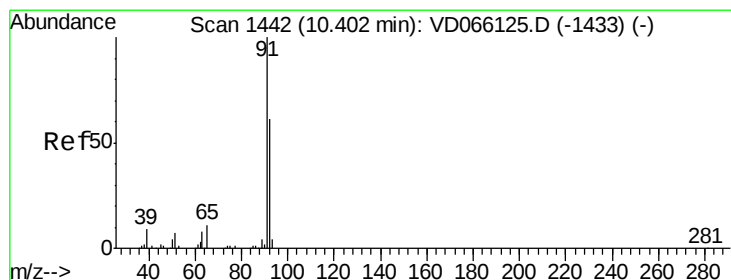
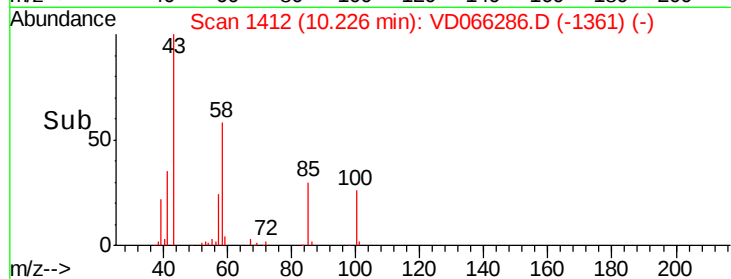
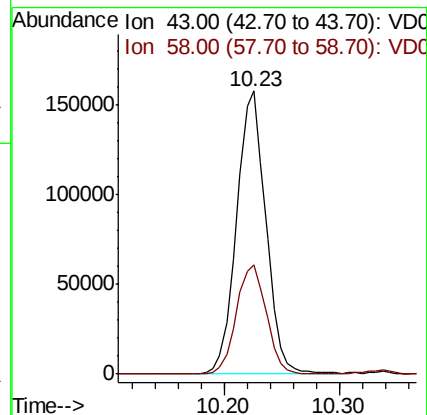
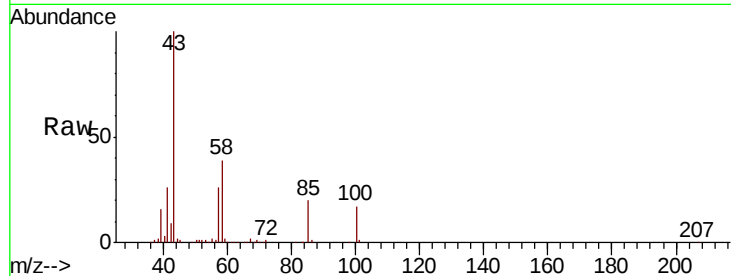
S406-K-SO-1-1.5-081420MSD

Tot Ion: 43 Resp: 276816

Ion Ratio Lower Upper

43 100

58 39.3 31.1 46.7



#52

Toluene

Concen: 49.180 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066286.D

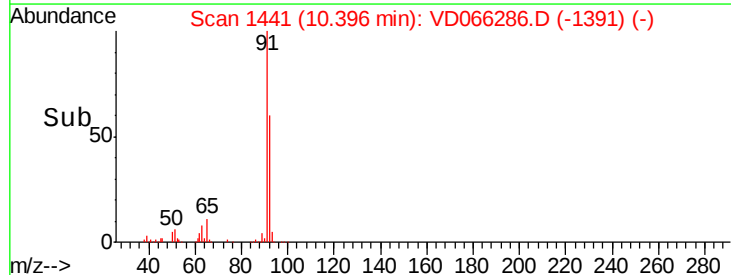
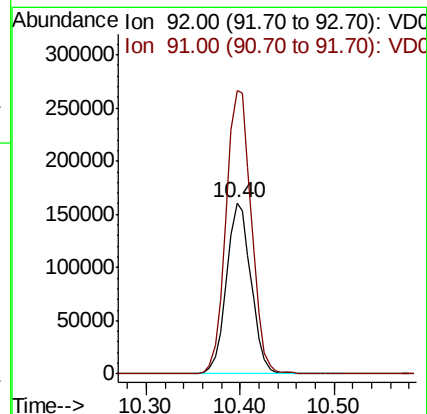
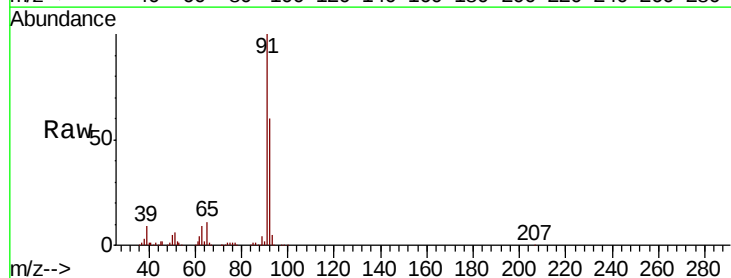
Acq: 18 Aug 2020 18:58

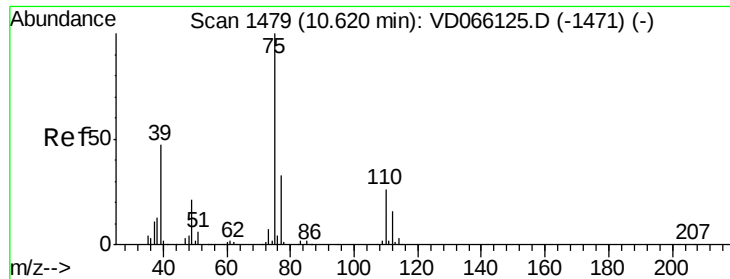
Tgt Ion: 92 Resp: 292597

Ion Ratio Lower Upper

92 100

91 170.9 135.2 202.8





#53

t-1,3-Dichloropropene

Concen: 48.600 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

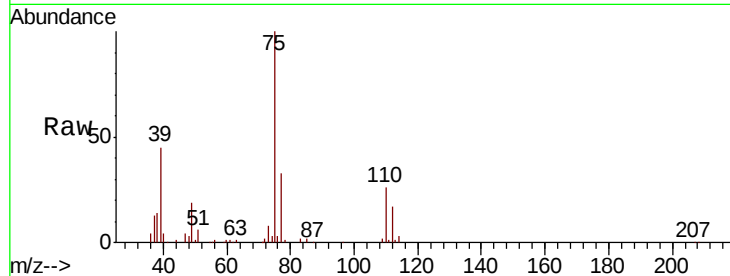
S406-K-SO-1-1.5-081420MSD

Tot Ion: 75 Resp: 148482

Ion Ratio Lower Upper

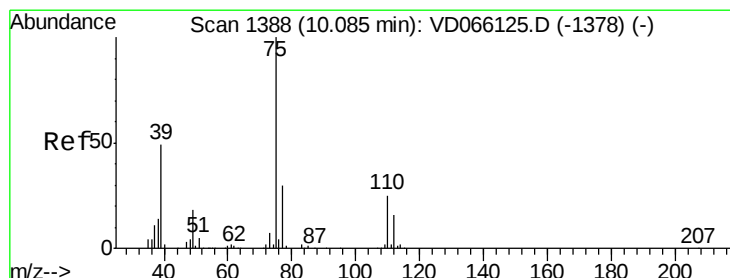
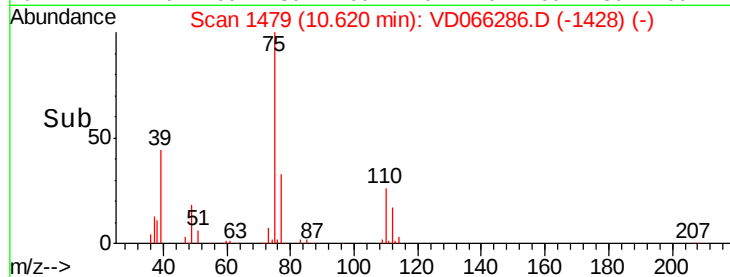
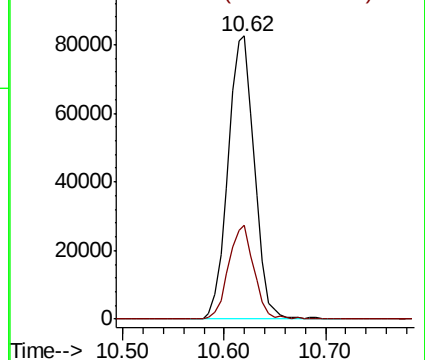
75 100

77 33.1 26.2 39.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 48.642 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

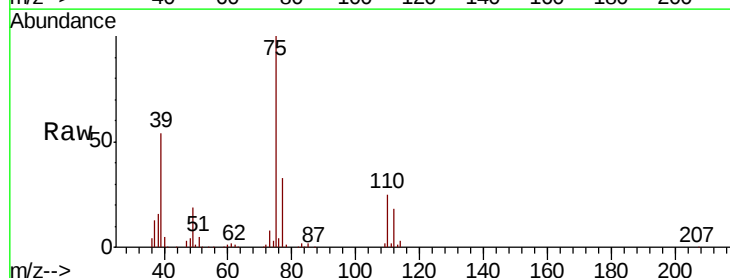
Tgt Ion: 75 Resp: 174116

Ion Ratio Lower Upper

75 100

77 33.2 24.3 36.5

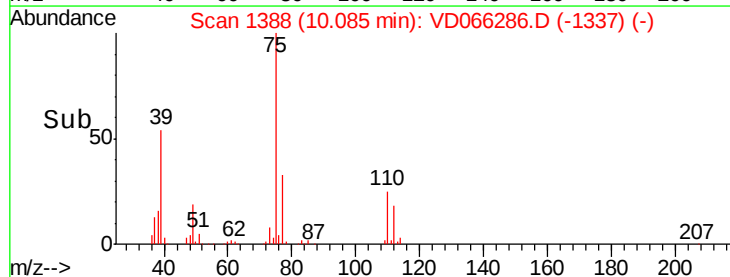
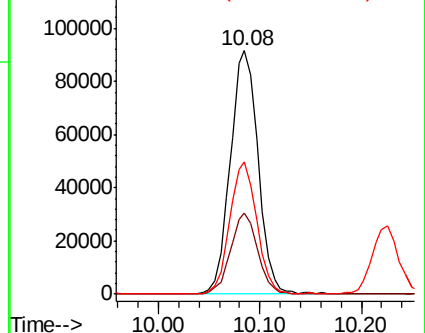
39 54.1 39.3 58.9

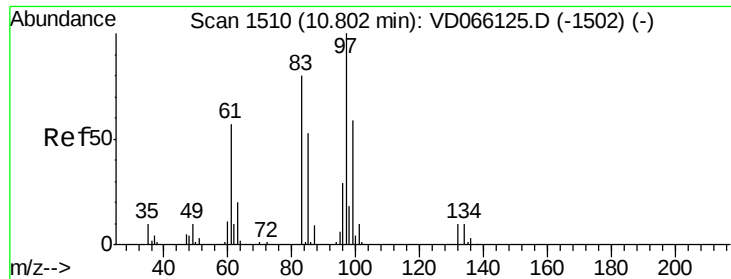


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

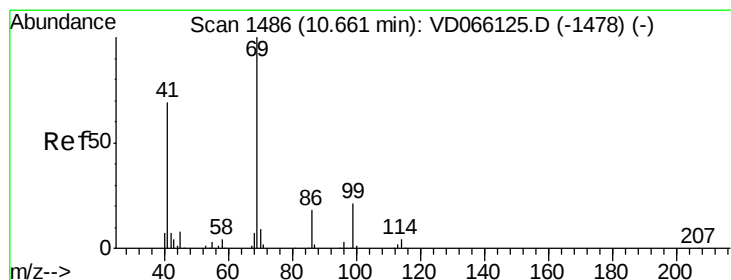
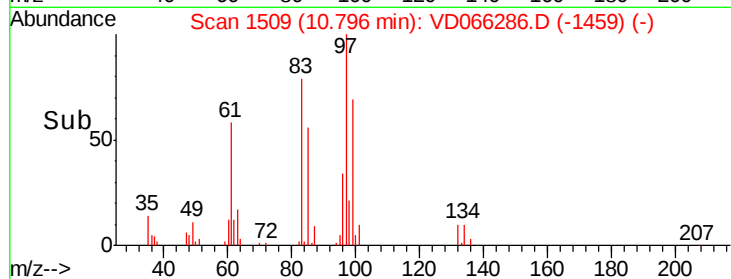
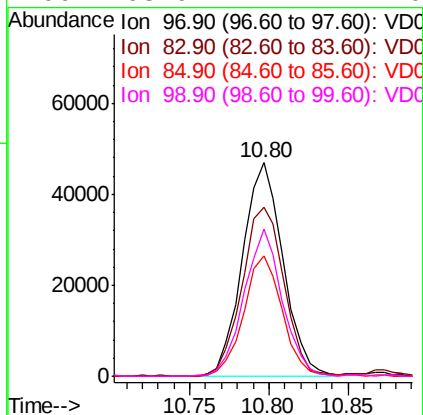
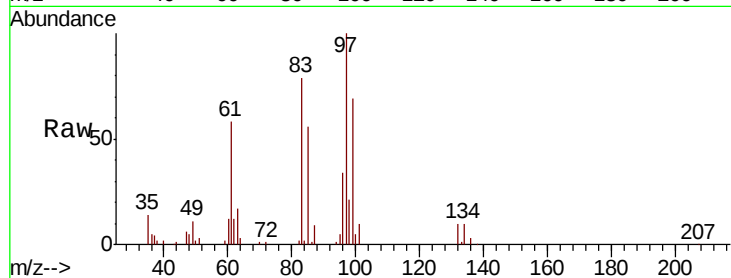




#55
 1,1,2-Trichloroethane
 Concen: 47.766 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

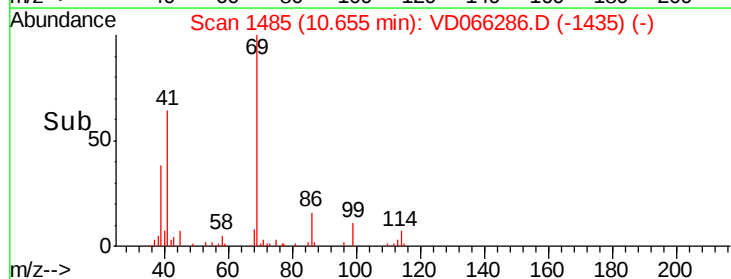
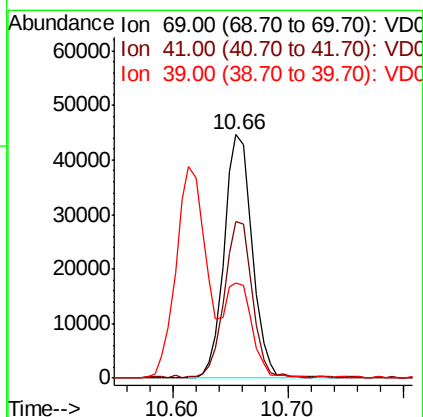
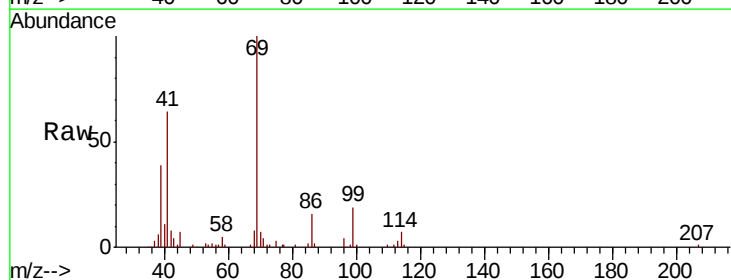
Instrument :
 MSVOA_D
 ClientSampleId :
 S406-K-SO-1-1.5-081420MSD

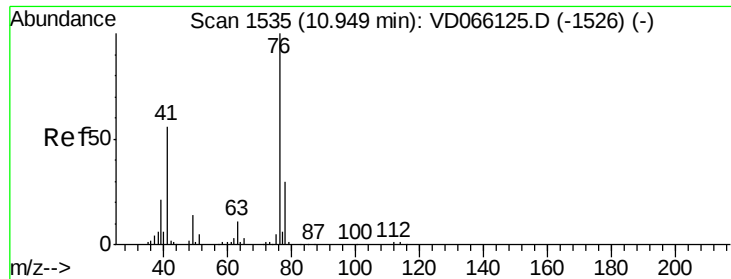
Tot Ion:	97	Resp:	83779
Ion	Ratio	Lower	Upper
97	100		
83	79.3	63.9	95.9
85	56.2	42.5	63.7
99	68.9	47.4	71.0



#56
 Ethyl methacrylate
 Concen: 35.772 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

Tgt Ion:	69	Resp:	75372
Ion	Ratio	Lower	Upper
69	100		
41	63.0	54.1	81.1
39	33.7	28.6	43.0





#57

1,3-Dichloropropane

Concen: 47.343 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

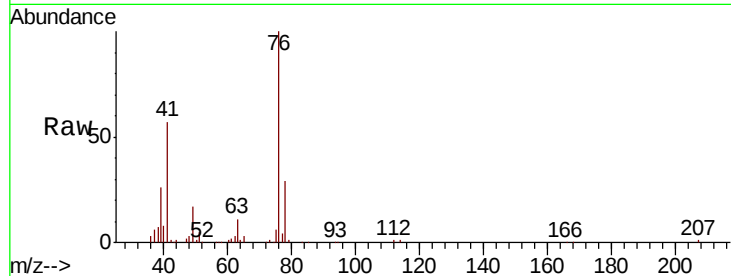
S406-K-SO-1-1.5-081420MSD

Tot Ion: 76 Resp: 137853

Ion Ratio Lower Upper

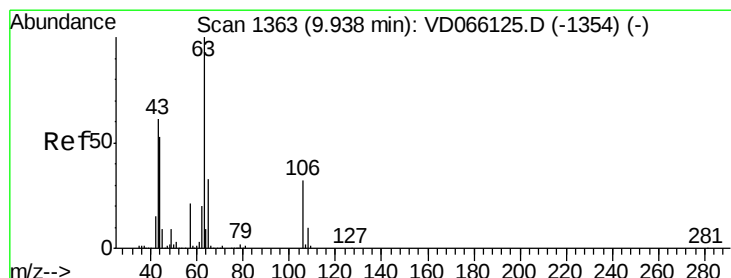
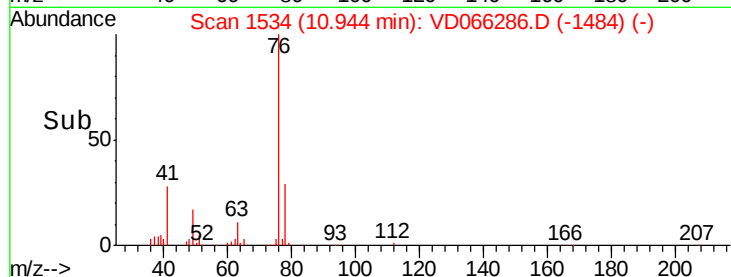
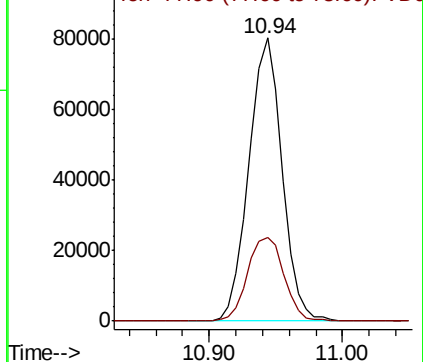
76 100

78 32.5 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 240.171 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066286.D

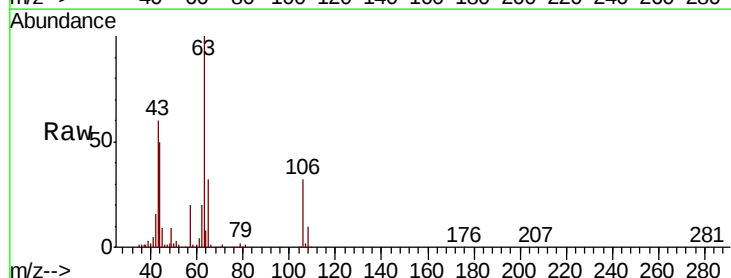
Acq: 18 Aug 2020 18:58

Tgt Ion: 63 Resp: 227624

Ion Ratio Lower Upper

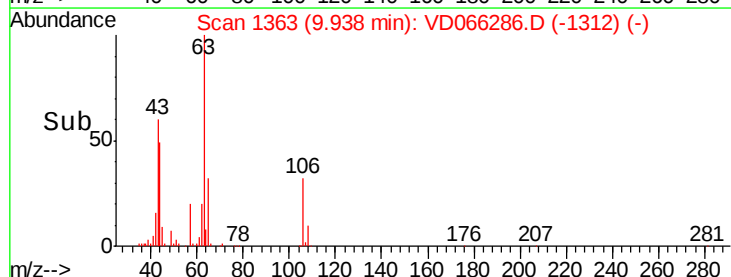
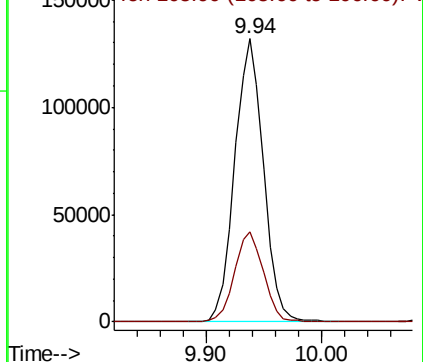
63 100

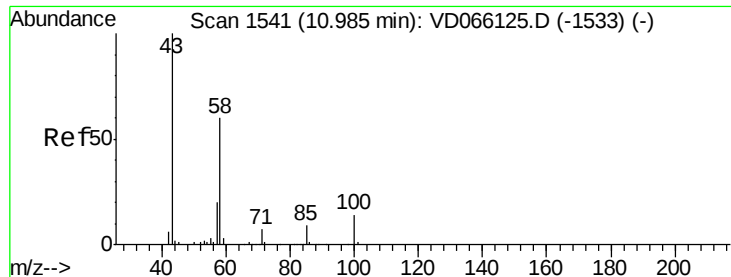
106 31.9 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

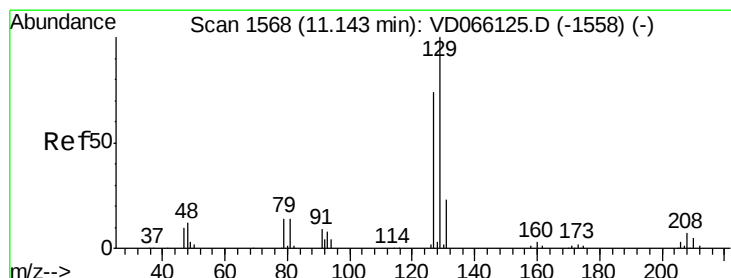
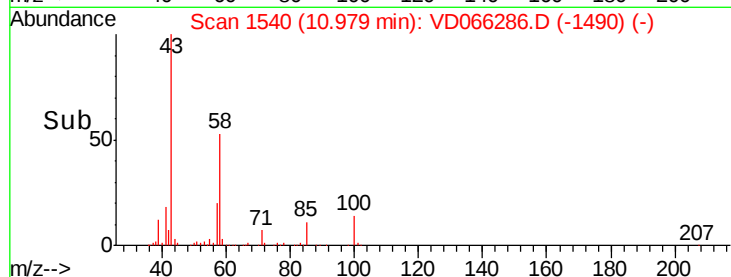
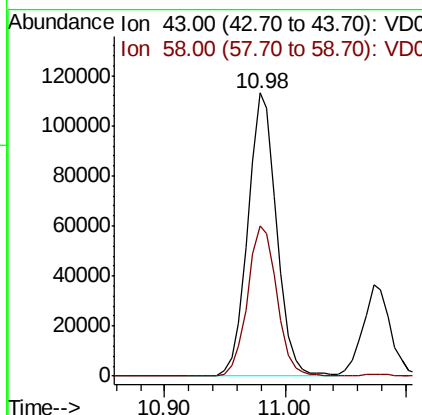
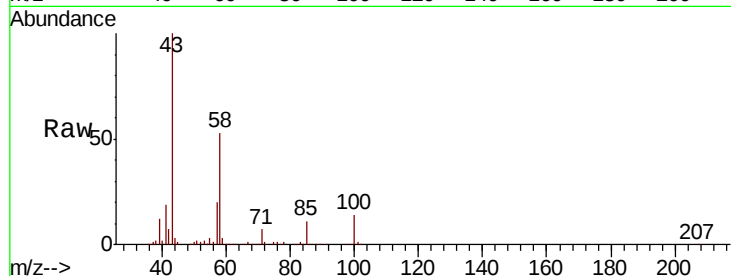




#59
2-Hexanone
Concen: 204.401 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

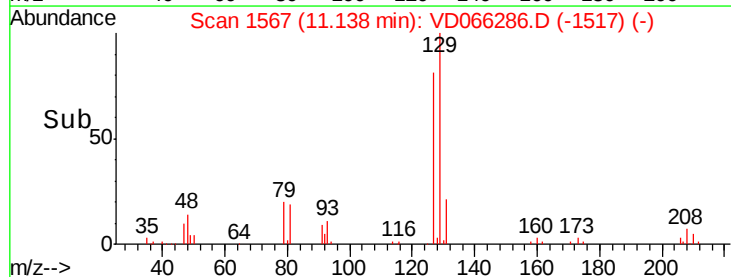
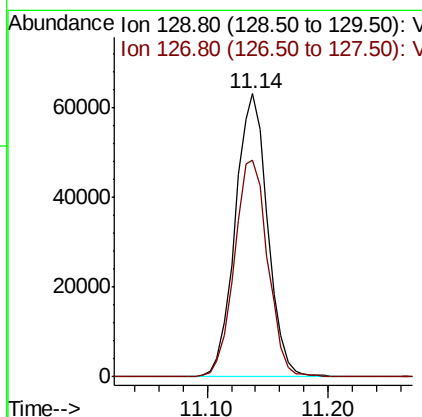
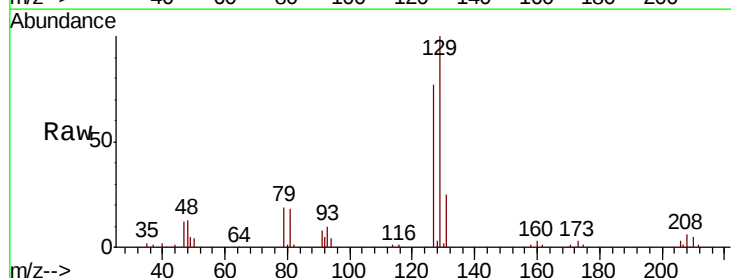
Instrument :
MSVOA_D
ClientSampleId :
S406-K-SO-1-1.5-081420MSD

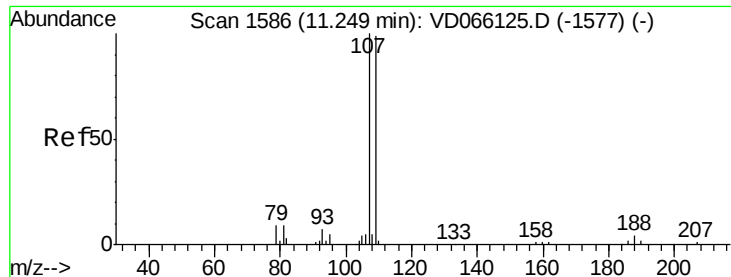
Tot Ion: 43 Resp: 187486
Ion Ratio Lower Upper
43 100
58 54.6 27.8 83.4



#60
Dibromochloromethane
Concen: 48.628 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion: 129 Resp: 117752
Ion Ratio Lower Upper
129 100
127 78.8 38.0 114.1

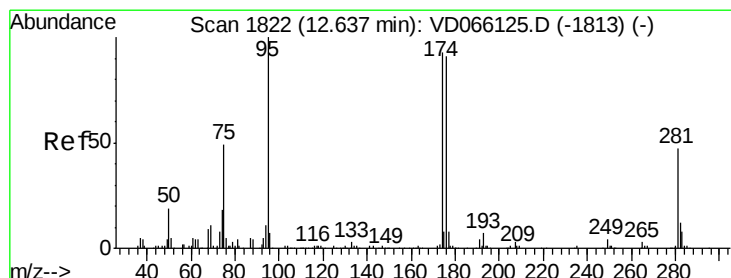
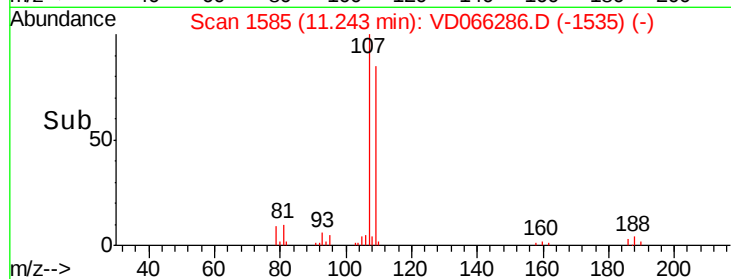
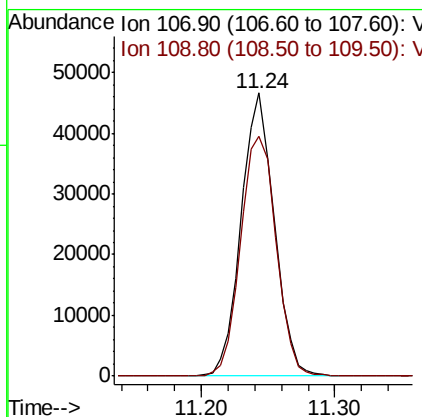
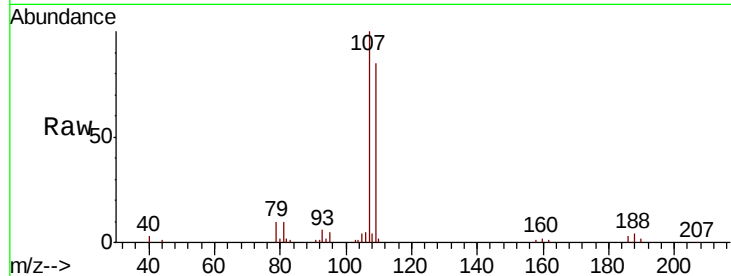




#61
 1,2-Dibromoethane
 Concen: 47.358 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

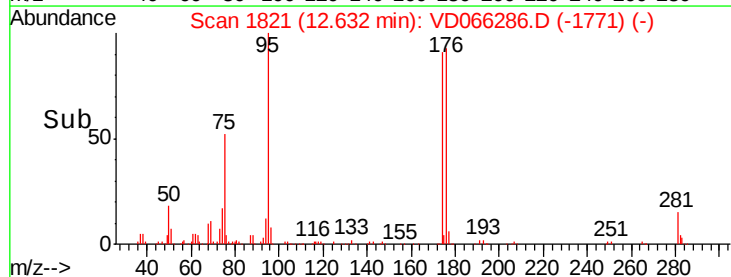
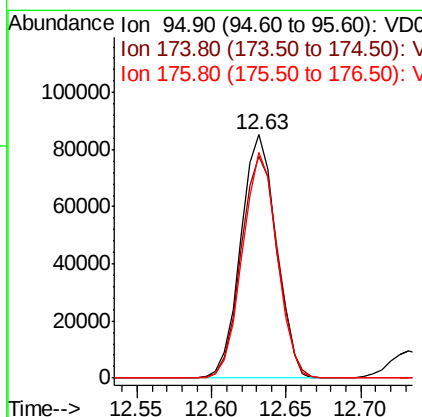
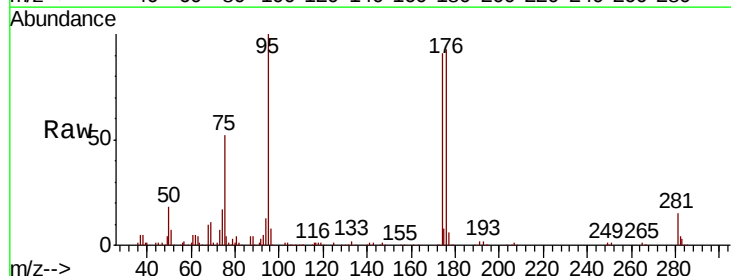
Instrument :
 MSVOA_D
 ClientSampleId :
 S406-K-SO-1-1.5-081420MSD

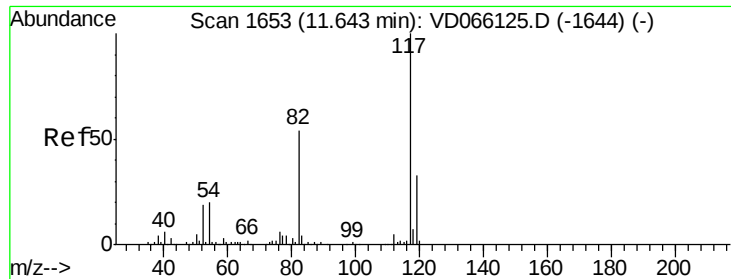
Tot Ion: 107 Resp: 79883
 Ion Ratio Lower Upper
 107 100
 109 91.0 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 48.006 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

Tgt Ion: 95 Resp: 140309
 Ion Ratio Lower Upper
 95 100
 174 93.9 0.0 180.8
 176 90.2 0.0 181.2

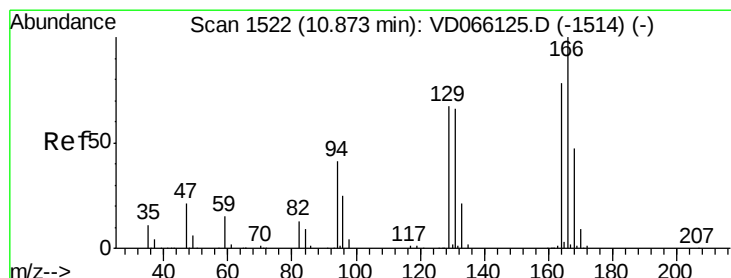
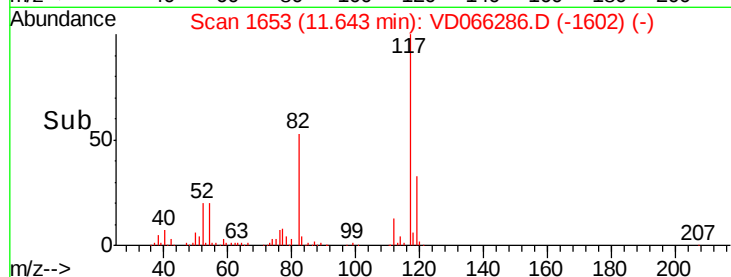
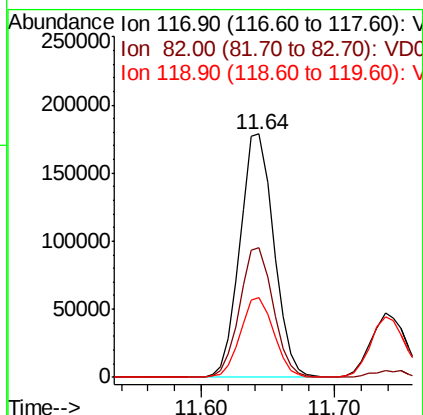
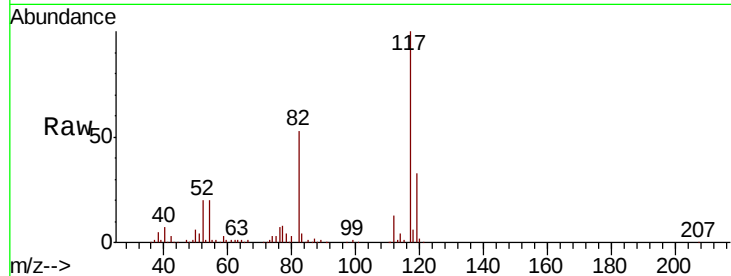




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

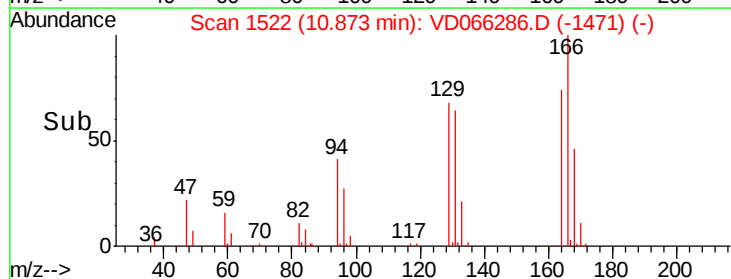
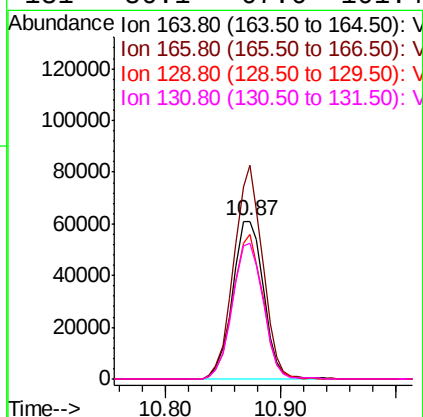
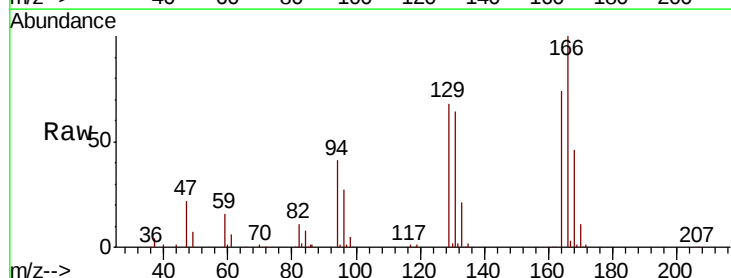
Instrument :
MSVOA_D
ClientSampleId :
S406-K-SO-1-1.5-081420MSD

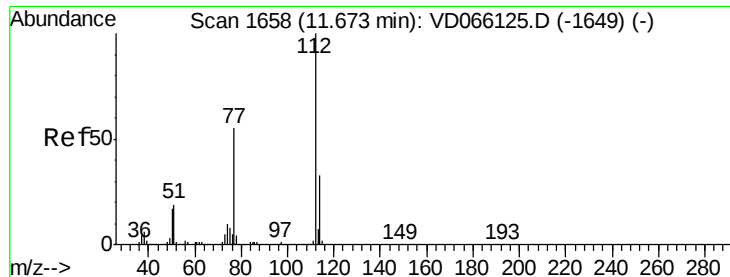
Tot Ion:117 Resp: 315004
Ion Ratio Lower Upper
117 100
82 53.4 43.0 64.4
119 32.8 26.1 39.1



#64
Tetrachloroethene
Concen: 46.977 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion:164 Resp: 113633
Ion Ratio Lower Upper
164 100
166 135.5 101.9 152.9
129 92.0 68.1 102.1
131 86.1 67.6 101.4

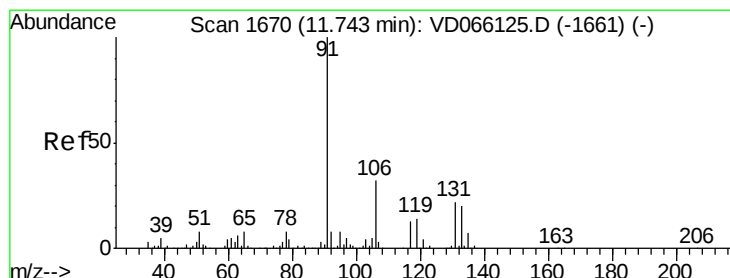
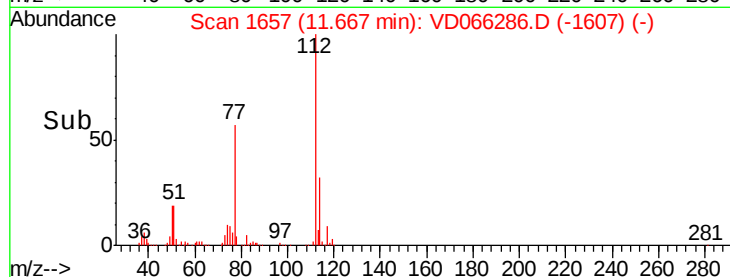
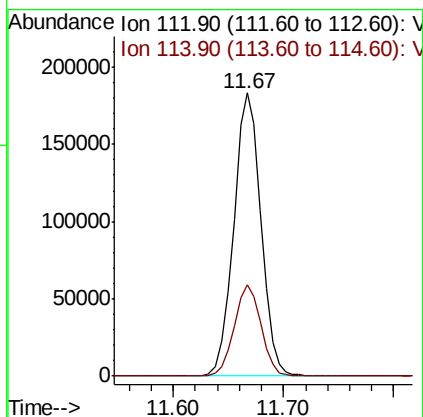
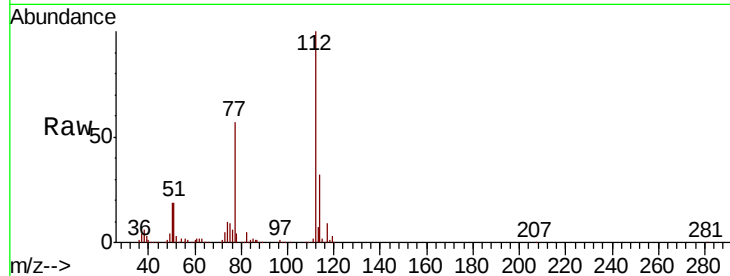




#65
Chlorobenzene
Concen: 49.467 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

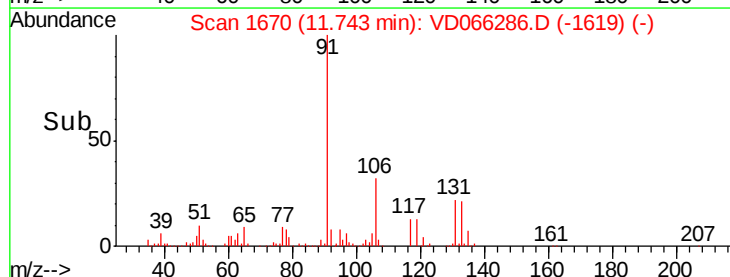
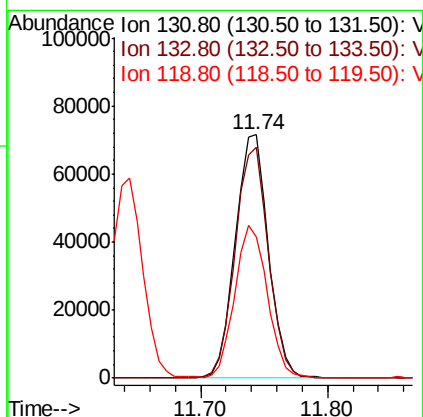
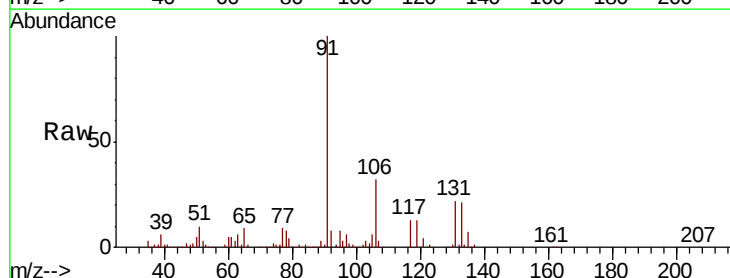
Instrument :
MSVOA_D
ClientSampleId :
S406-K-SO-1-1.5-081420MSD

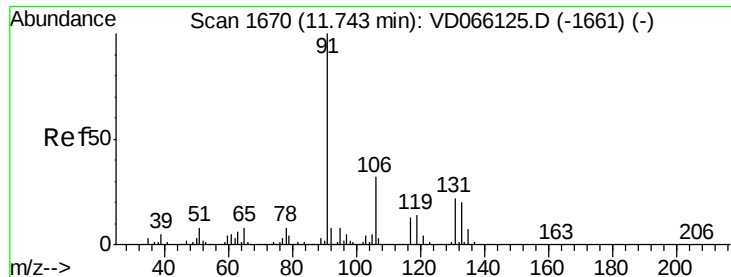
Tot Ion:112 Resp: 316325
Ion Ratio Lower Upper
112 100
114 32.3 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 51.629 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion:131 Resp: 129179
Ion Ratio Lower Upper
131 100
133 95.4 47.1 141.4
119 61.9 31.6 94.7





#67

Ethyl Benzene

Concen: 49.985 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

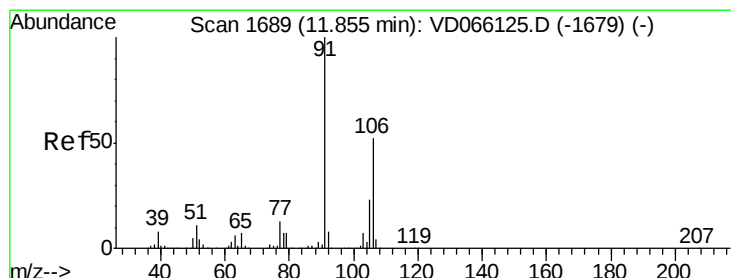
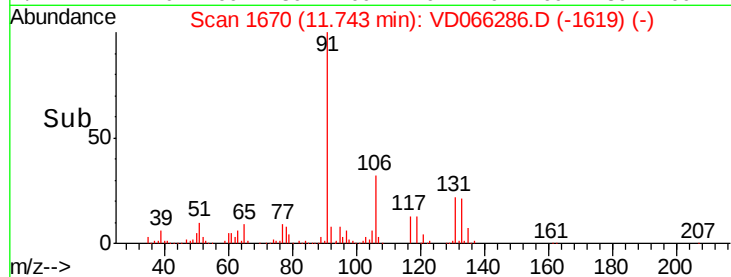
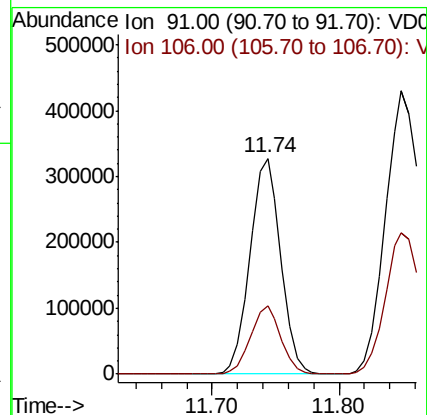
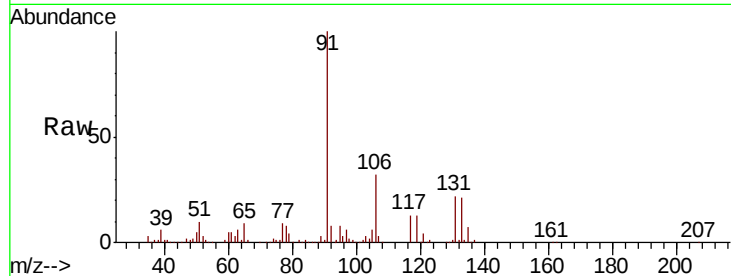
S406-K-SO-1-1.5-081420MSD

Tot Ion: 91 Resp: 553903

Ion Ratio Lower Upper

91 100

106 31.9 25.7 38.5



#68

m/p-Xylenes

Concen: 97.009 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD066286.D

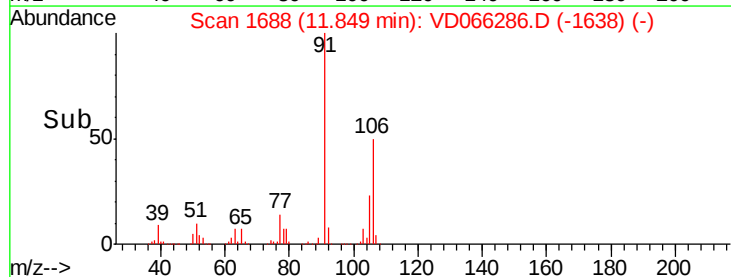
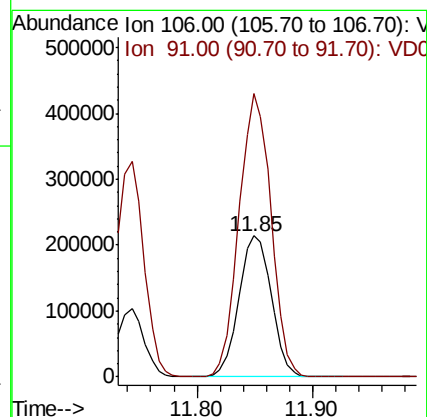
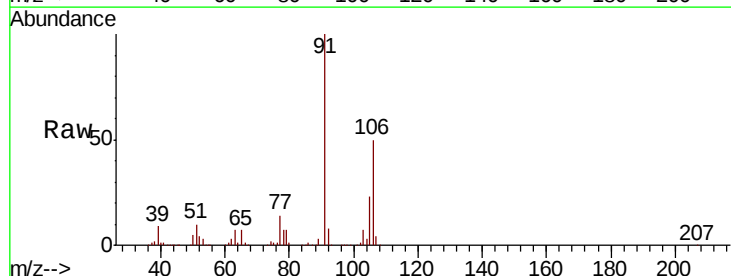
Acq: 18 Aug 2020 18:58

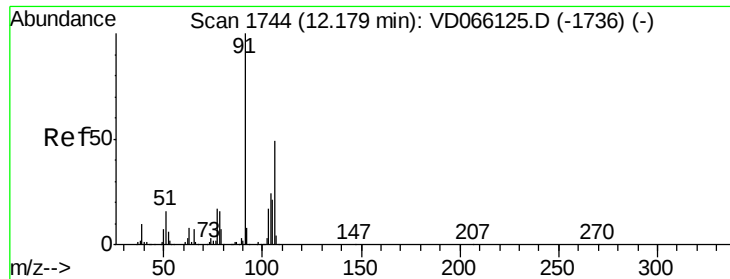
Tgt Ion: 106 Resp: 416497

Ion Ratio Lower Upper

106 100

91 198.6 156.6 235.0

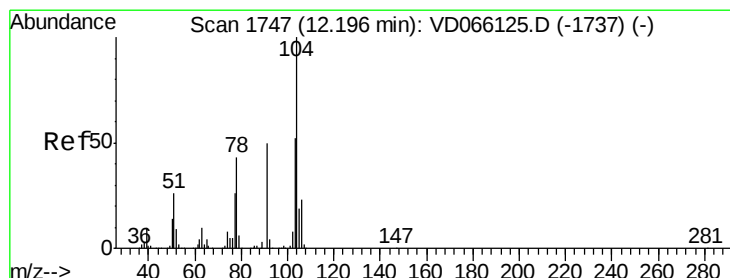
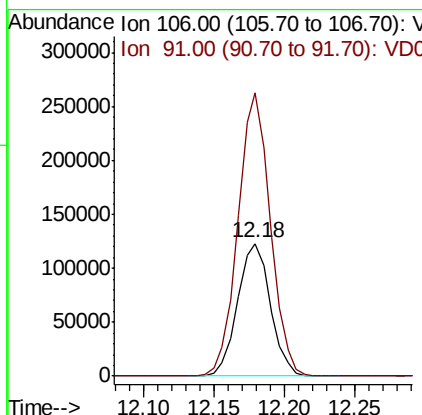
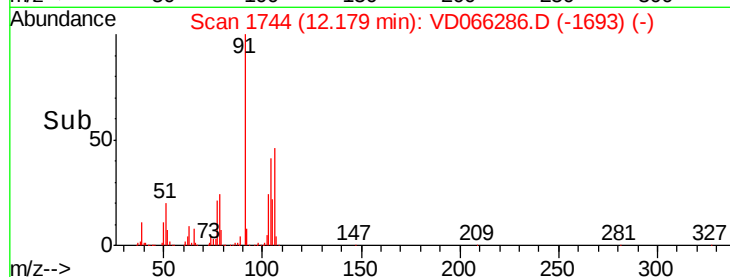
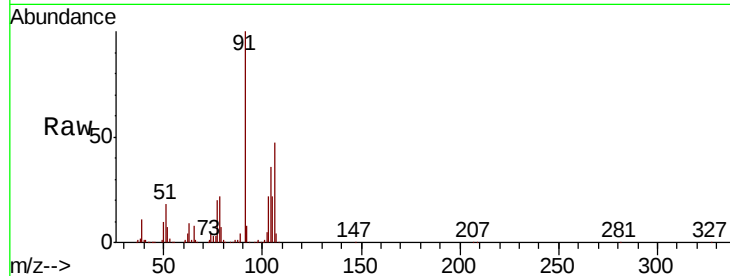




#69
o-Xylene
Concen: 51.235 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

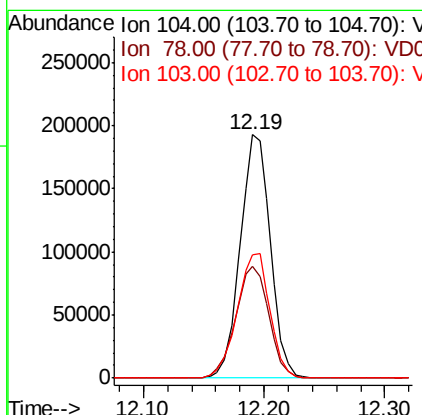
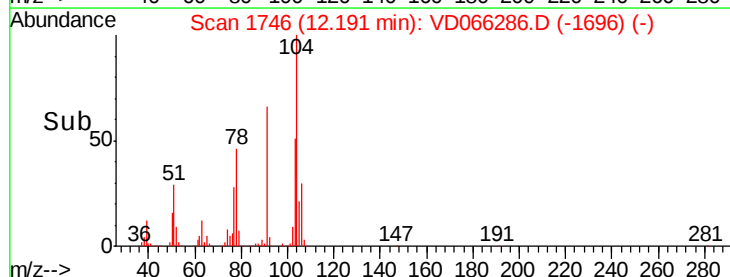
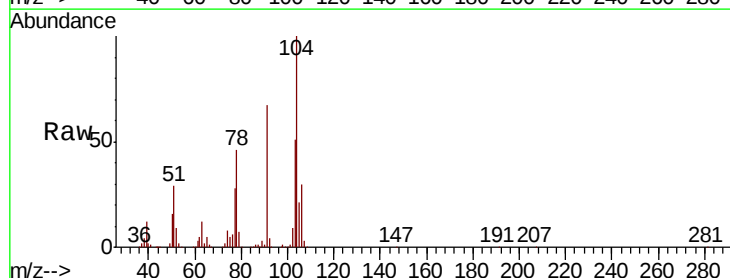
Instrument :
MSVOA_D
ClientSampleId :
S406-K-SO-1-1.5-081420MSD

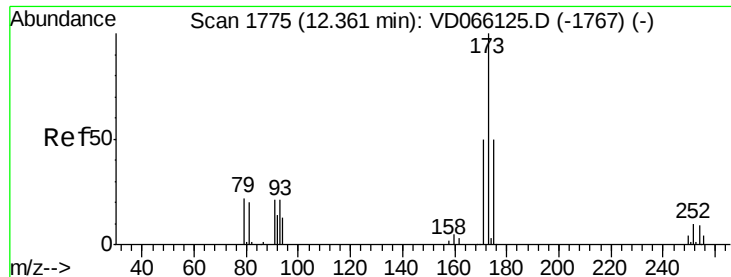
Tot Ion:106 Resp: 200101
Ion Ratio Lower Upper
106 100
91 210.1 105.7 317.1



#70
Styrene
Concen: 49.017 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion:104 Resp: 335506
Ion Ratio Lower Upper
104 100
78 50.6 38.6 58.0
103 55.5 44.1 66.1





#71

Bromoform

Concen: 48.603 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

S406-K-SO-1-1.5-081420MSD

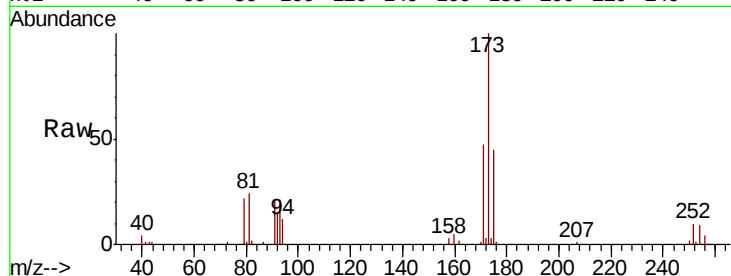
Tot Ion:173 Resp: 72049

Ion Ratio Lower Upper

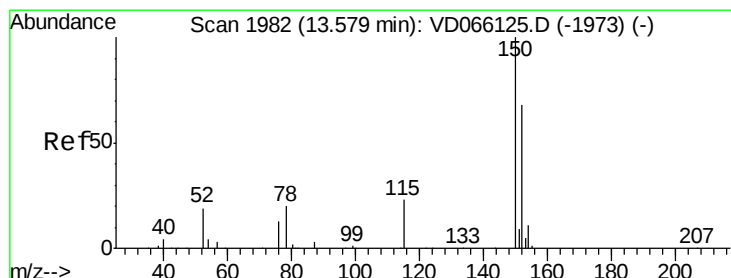
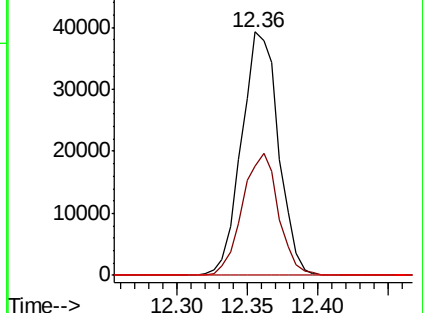
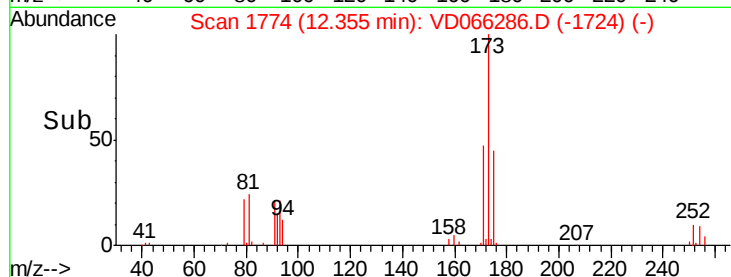
173 100

175 48.6 24.6 73.6

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

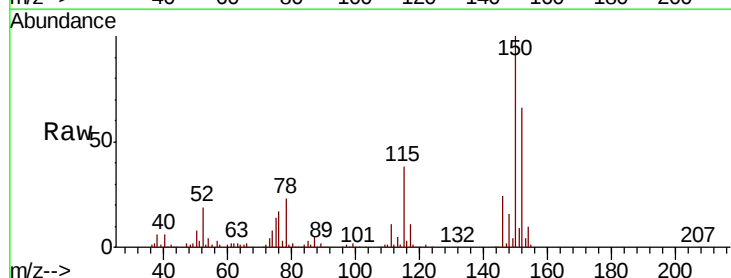
Tgt Ion:152 Resp: 151277

Ion Ratio Lower Upper

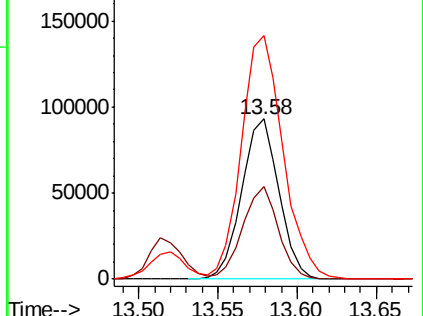
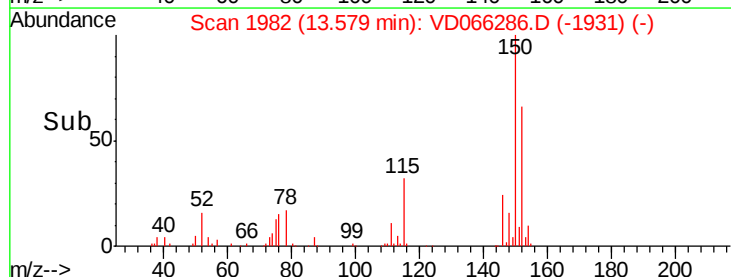
152 100

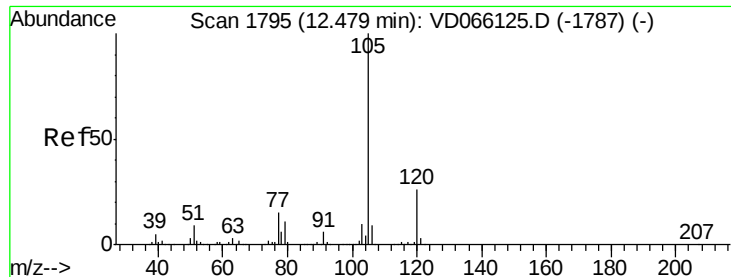
115 55.9 28.0 83.9

150 171.0 0.0 346.4



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

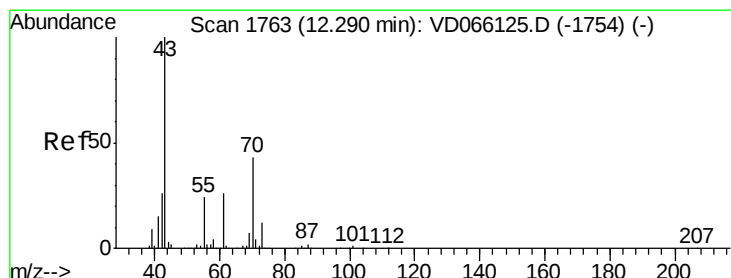
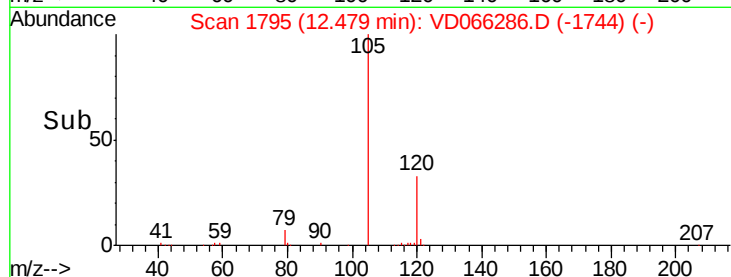
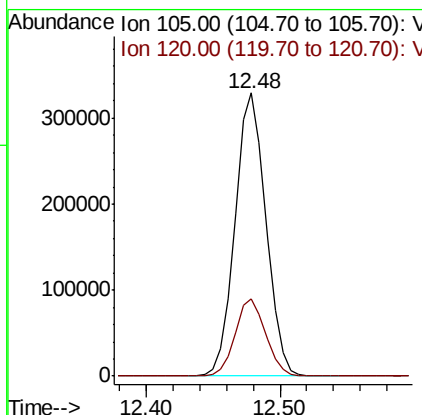
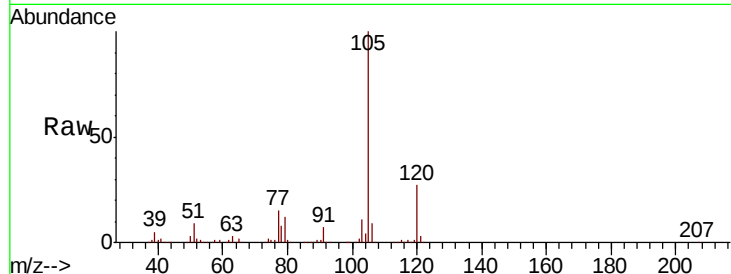




#73
Isopropylbenzene
Concen: 52.204 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

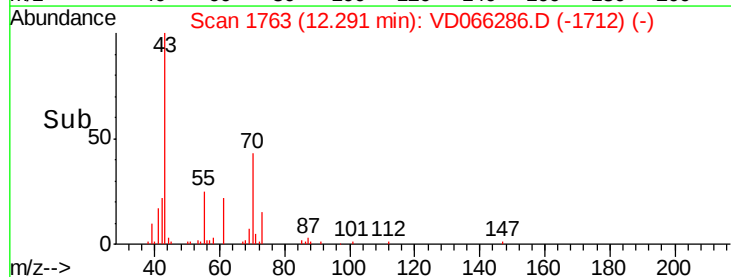
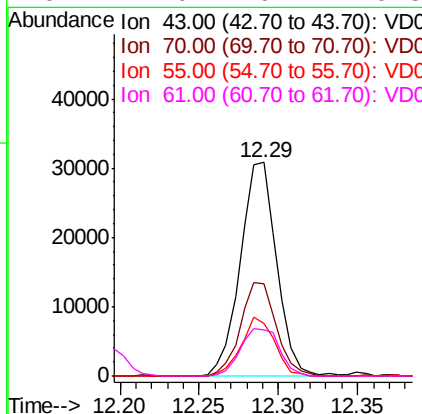
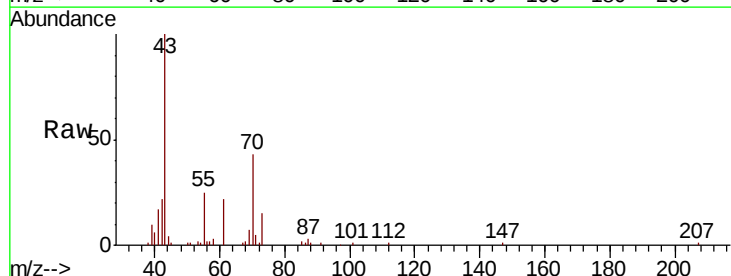
Instrument :
MSVOA_D
ClientSampleId :
S406-K-SO-1-1.5-081420MSD

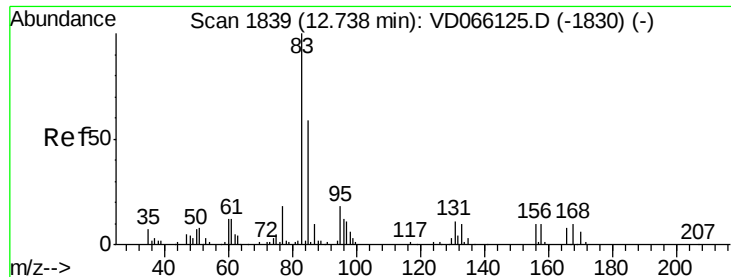
Tot Ion:105 Resp: 527163
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9



#74
N-ethyl acetate
Concen: 22.097 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion: 43 Resp: 49136
Ion Ratio Lower Upper
43 100
70 42.9 34.9 52.3
55 25.1 19.2 28.8
61 24.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.153 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

S406-K-SO-1-1.5-081420MSD

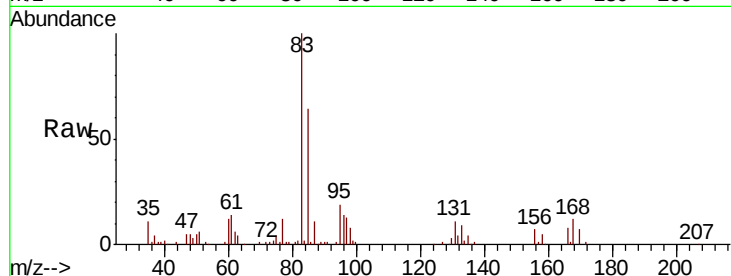
Tot Ion: 83 Resp: 84637

Ion Ratio Lower Upper

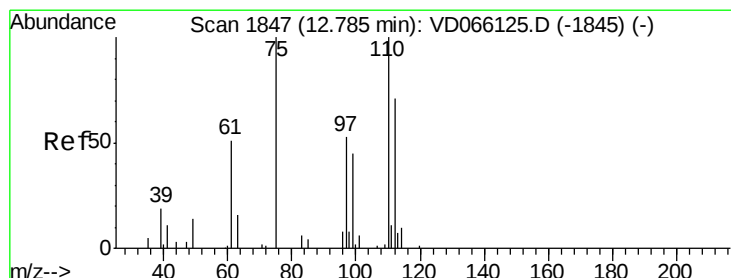
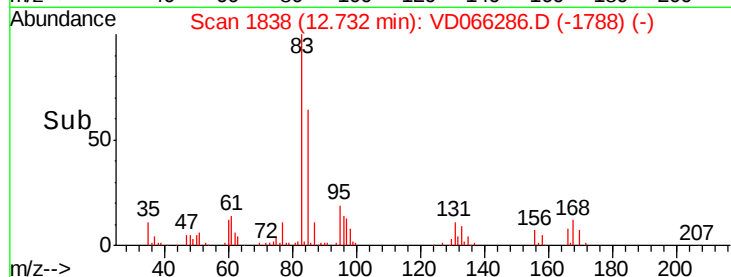
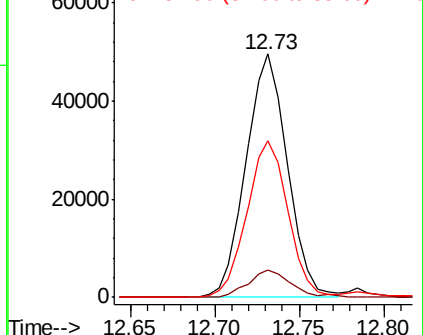
83 100

131 11.6 6.2 18.6

85 64.0 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 88.818 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066286.D

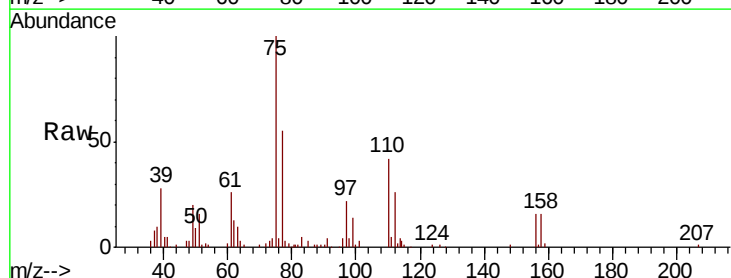
Acq: 18 Aug 2020 18:58

Tgt Ion: 75 Resp: 112048

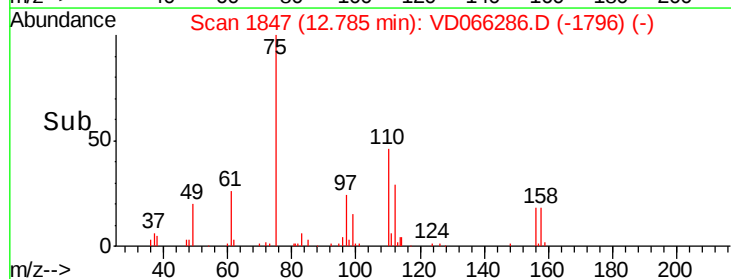
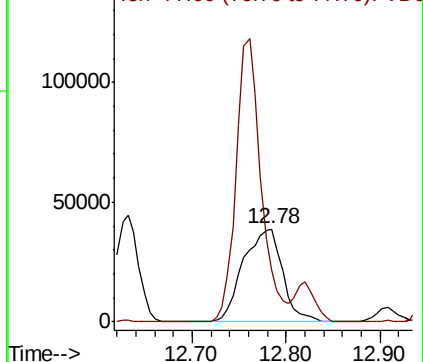
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.638 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

S406-K-SO-1-1.5-081420MSD

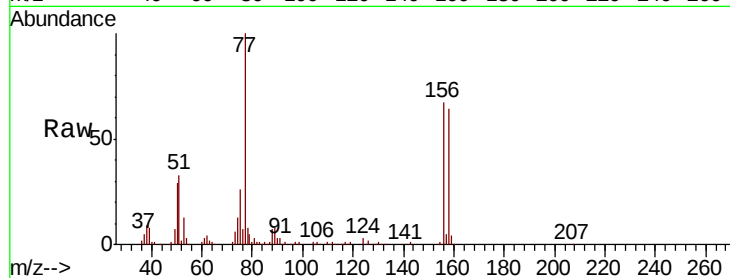
Tot Ion:156 Resp: 136830

Ion Ratio Lower Upper

156 100

77 160.5 81.0 243.1

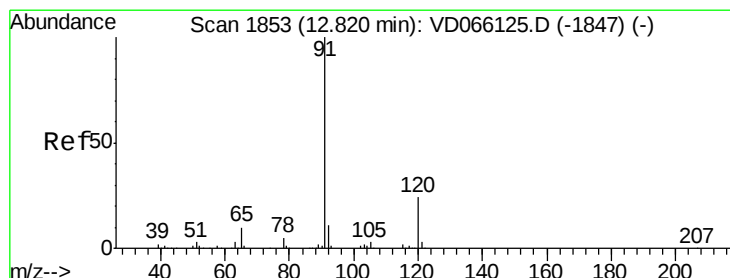
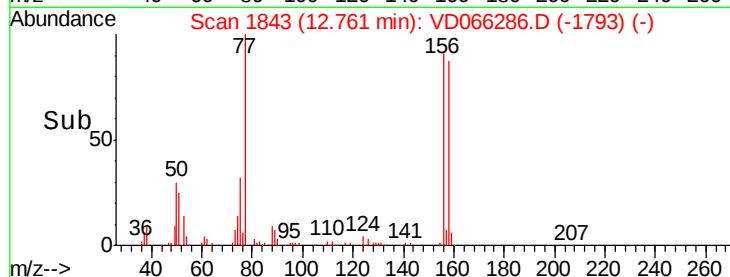
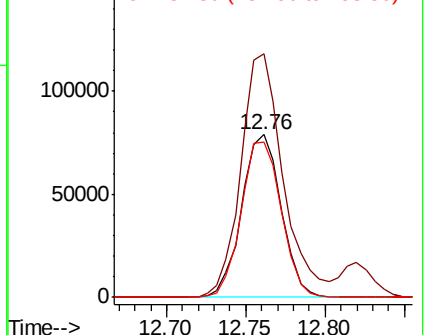
158 97.2 48.8 146.3



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: 50.172 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066286.D

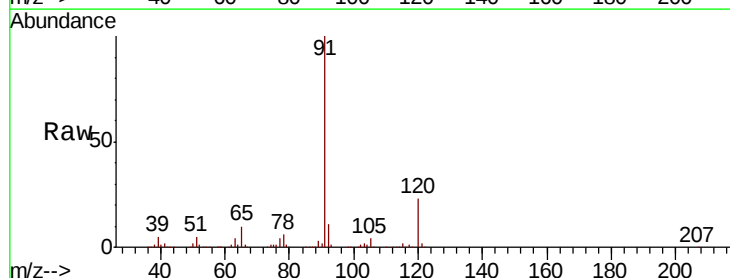
Acq: 18 Aug 2020 18:58

Tgt Ion: 91 Resp: 588939

Ion Ratio Lower Upper

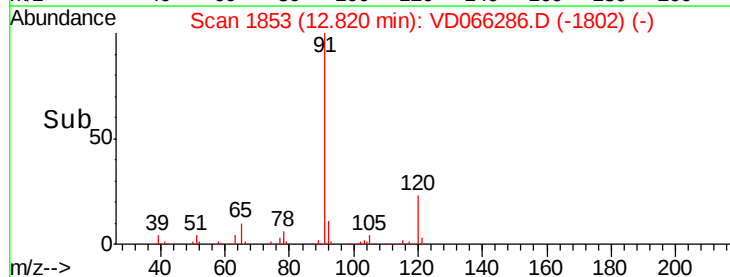
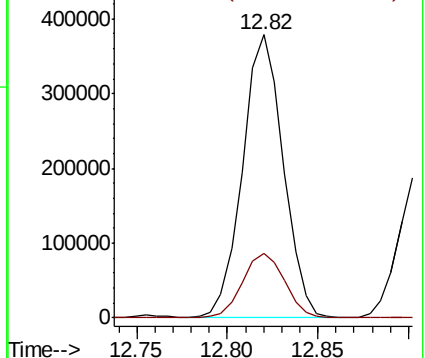
91 100

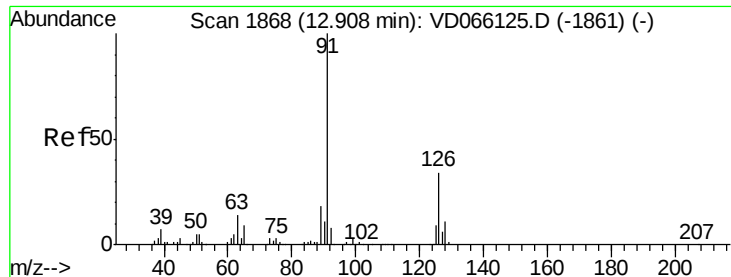
120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.930 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

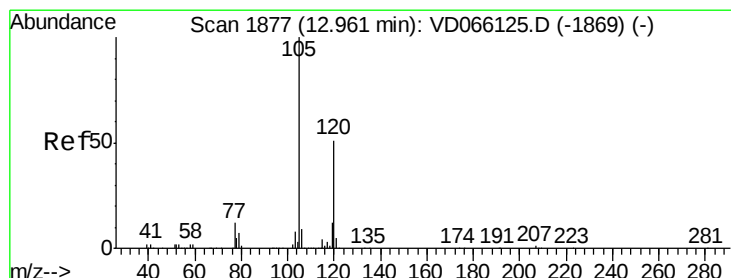
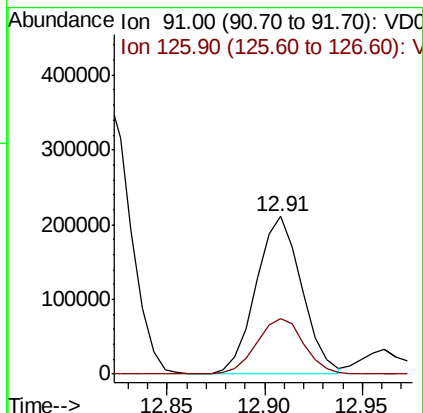
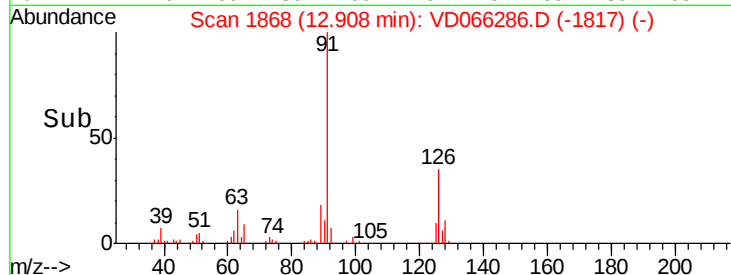
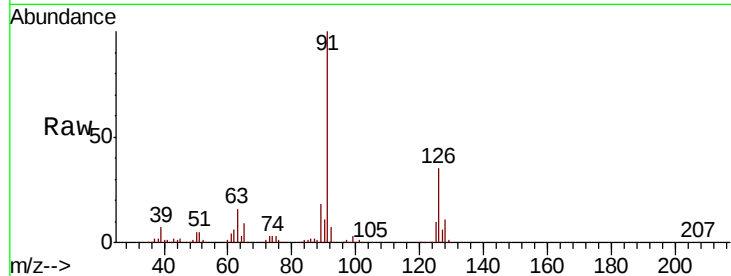
S406-K-SO-1-1.5-081420MSD

Tot Ion: 91 Resp: 341920

Ion Ratio Lower Upper

91 100

126 36.5 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 51.611 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066286.D

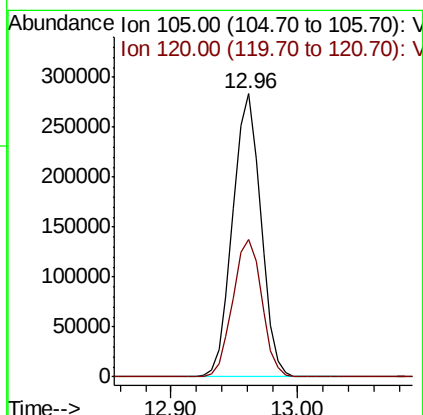
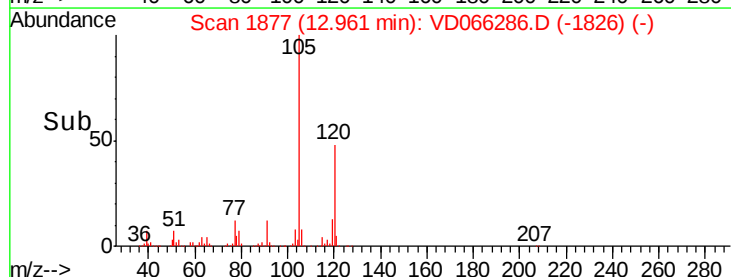
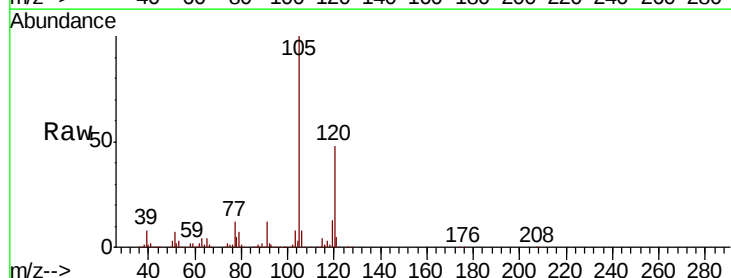
Acq: 18 Aug 2020 18:58

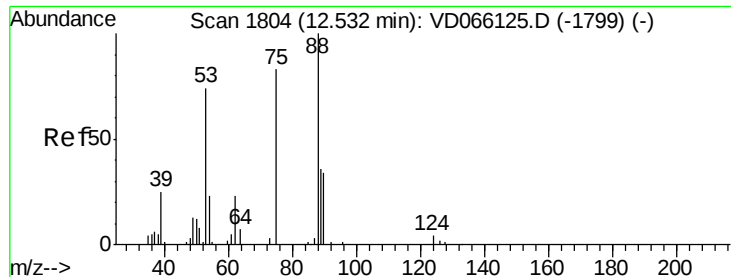
Tgt Ion: 105 Resp: 435860

Ion Ratio Lower Upper

105 100

120 50.0 25.3 75.8

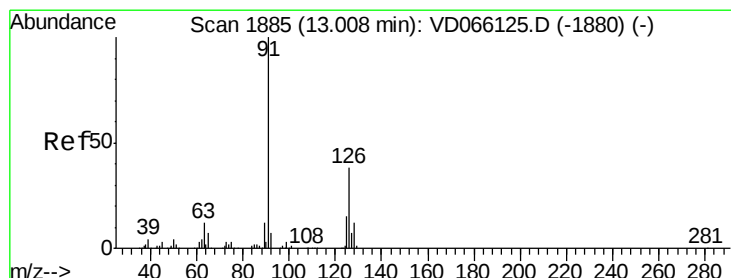
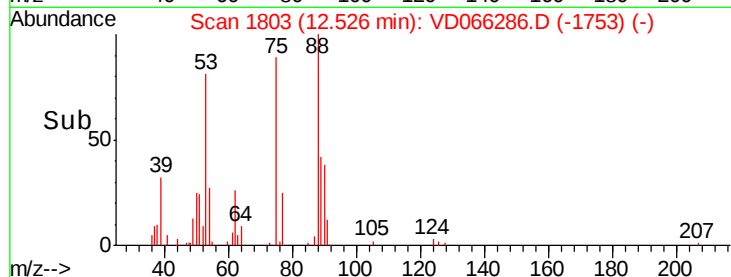
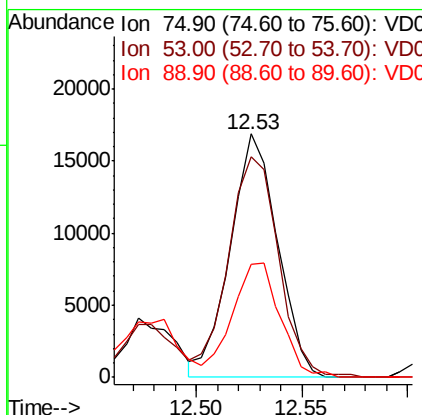
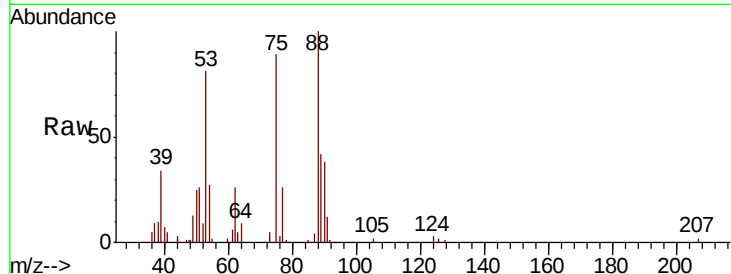




#81
trans-1,4-Dichloro-2-butene
Concen: 45.941 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

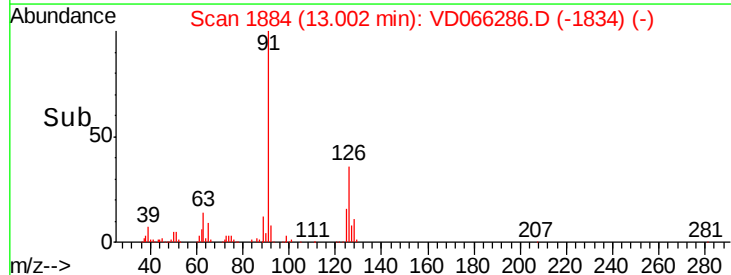
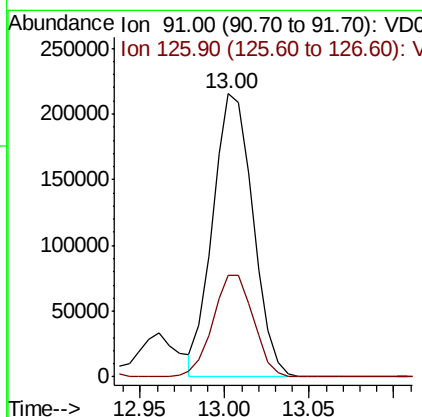
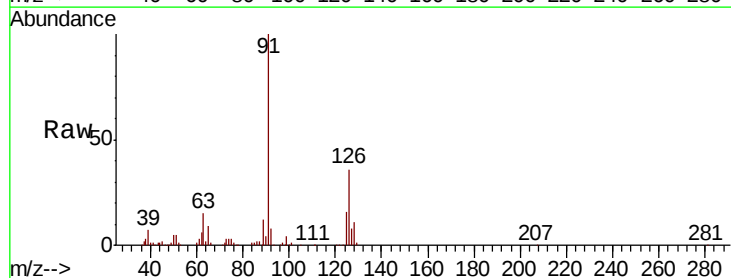
Instrument :
MSVOA_D
ClientSampleId :
S406-K-SO-1-1.5-081420MSD

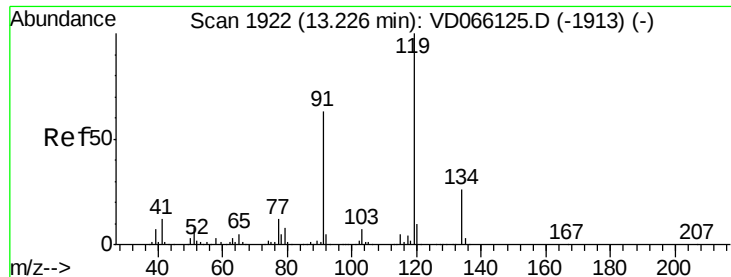
Tot Ion: 75 Resp: 26218
Ion Ratio Lower Upper
75 100
53 96.9 73.4 110.2
89 47.5 36.6 55.0



#82
4-Chlorotoluene
Concen: 50.430 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion: 91 Resp: 357405
Ion Ratio Lower Upper
91 100
126 36.4 17.8 53.3

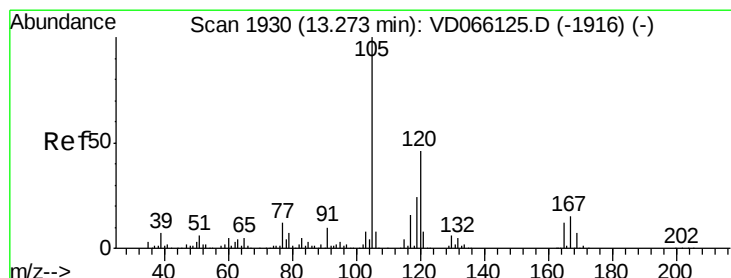
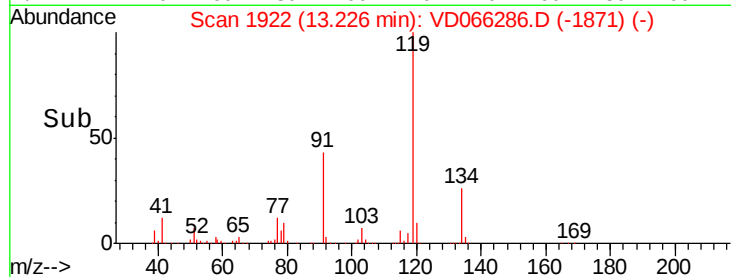
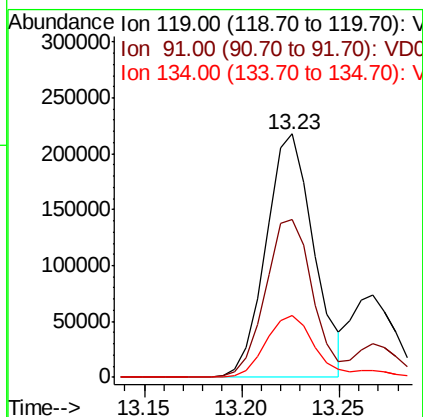
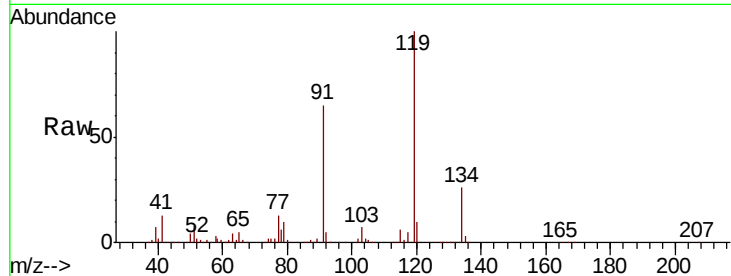




#83
tert-Butylbenzene
Concen: 49.812 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

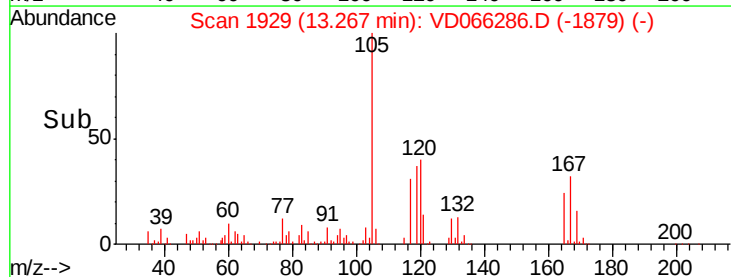
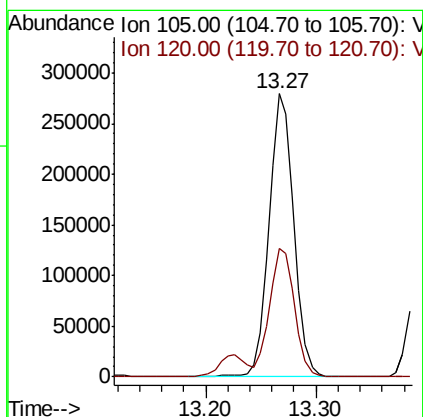
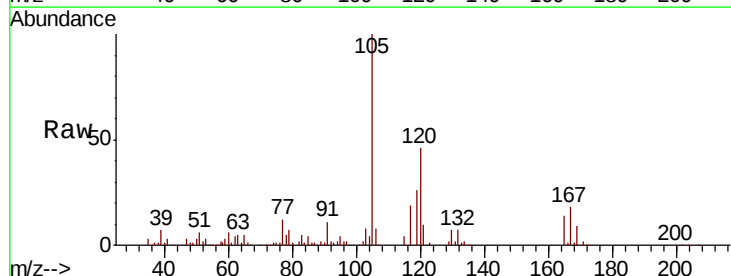
Instrument :
MSVOA_D
ClientSampleId :
S406-K-SO-1-1.5-081420MSD

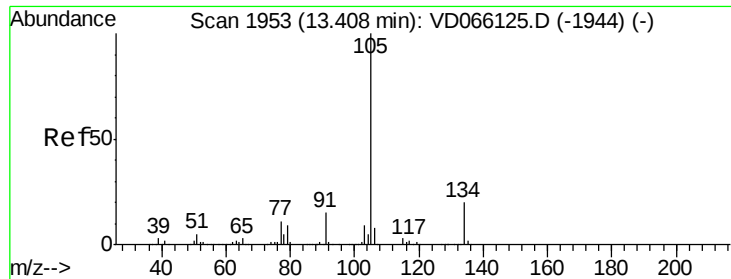
Tot Ion:119 Resp: 369951
Ion Ratio Lower Upper
119 100
91 64.1 30.8 92.4
134 27.8 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 51.712 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion:105 Resp: 437052
Ion Ratio Lower Upper
105 100
120 45.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 46.959 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

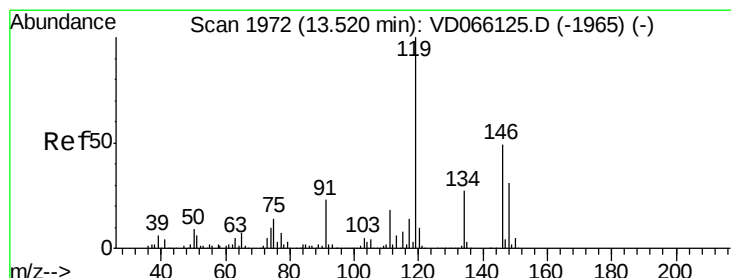
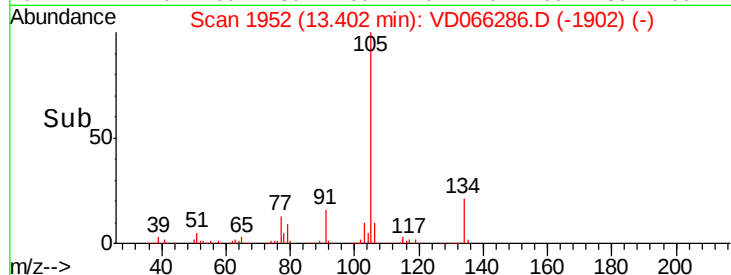
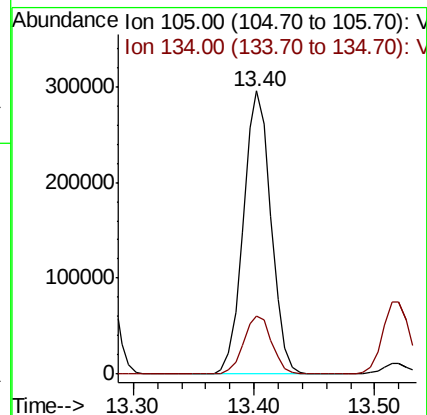
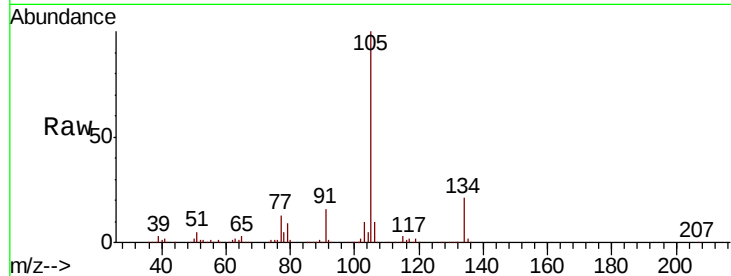
S406-K-SO-1-1.5-081420MSD

Tot Ion:105 Resp: 470876

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.4



#86

p-Isopropyltoluene

Concen: 47.751 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

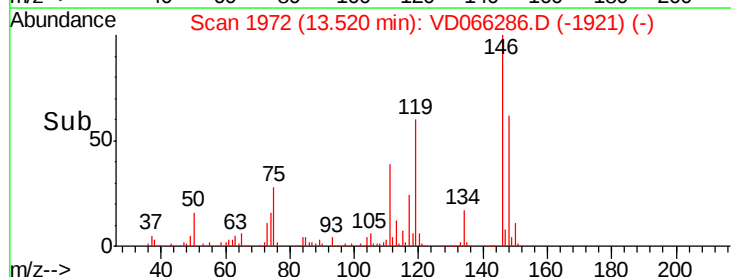
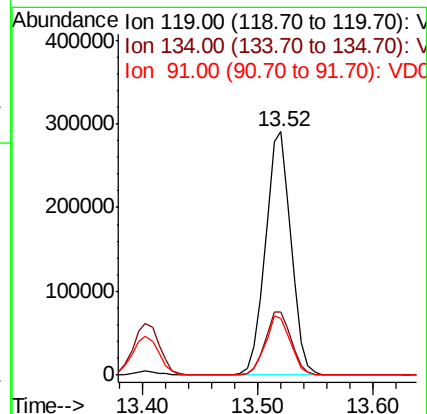
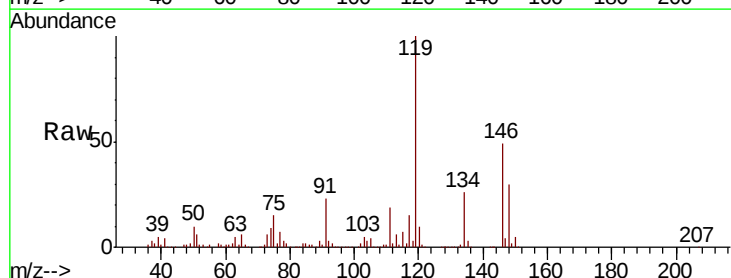
Tgt Ion:119 Resp: 449089

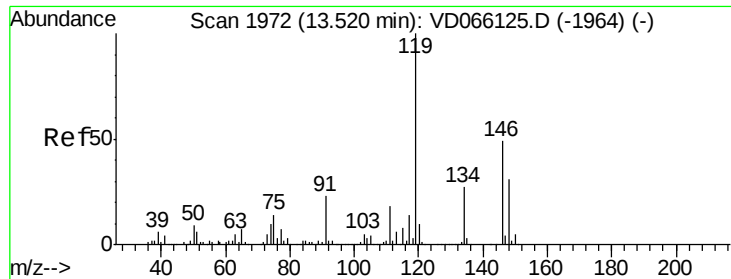
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 23.9 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 48.702 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

S406-K-SO-1-1.5-081420MSD

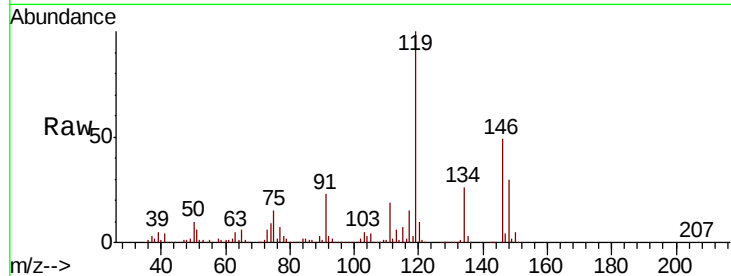
Tot Ion:146 Resp: 237939

Ion Ratio Lower Upper

146 100

111 39.1 18.9 56.9

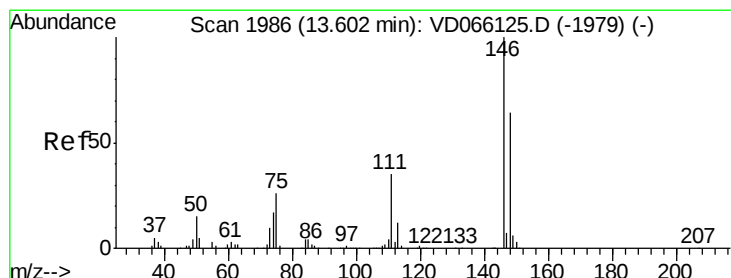
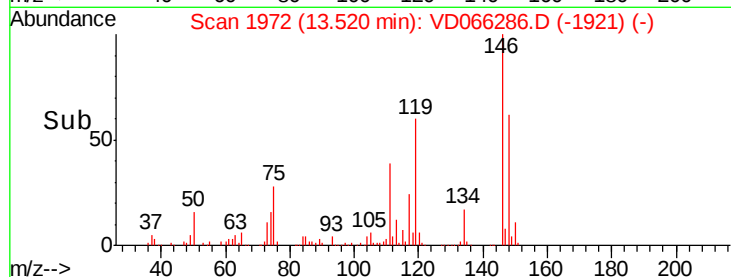
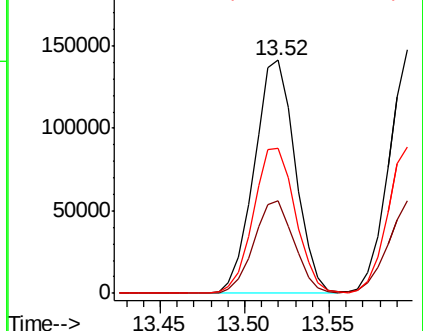
148 63.7 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.098 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

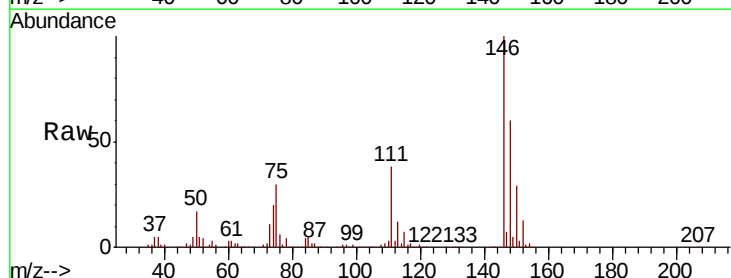
Tgt Ion:146 Resp: 239220

Ion Ratio Lower Upper

146 100

111 37.9 18.6 55.8

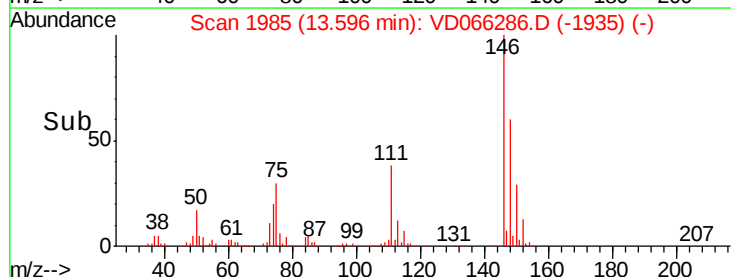
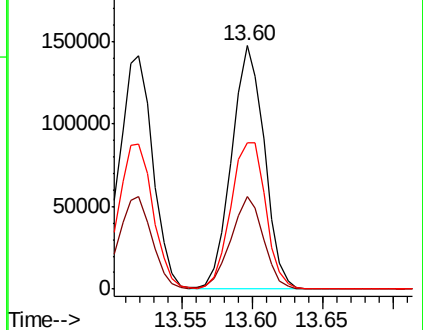
148 63.9 32.4 97.0

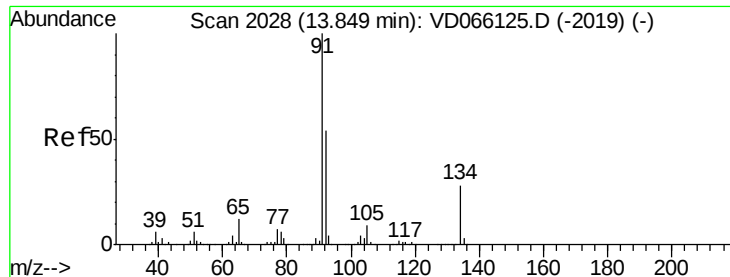


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

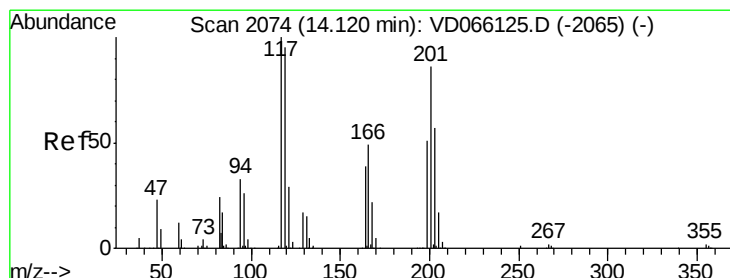
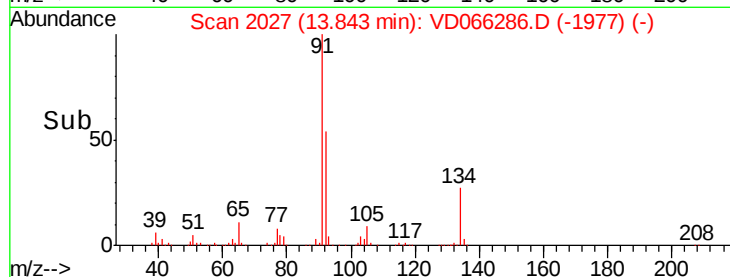
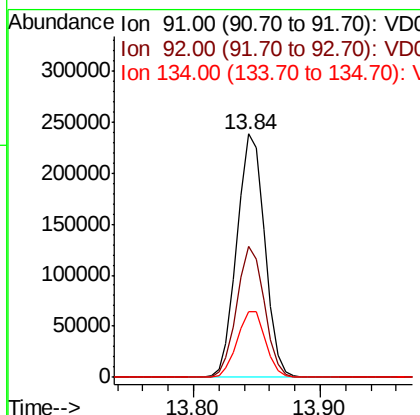
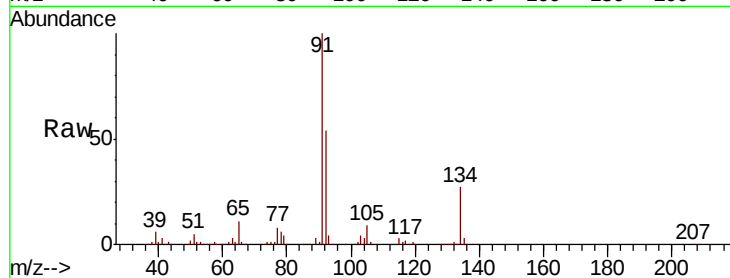




#89
n-Butylbenzene
Concen: 42.954 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

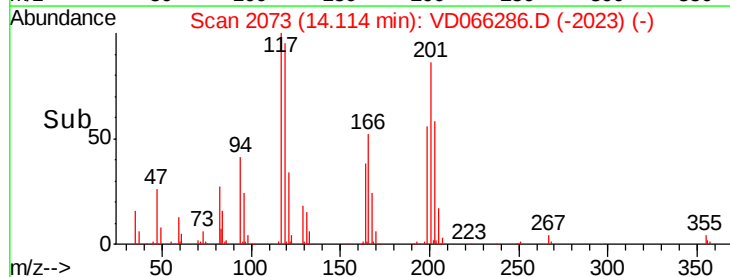
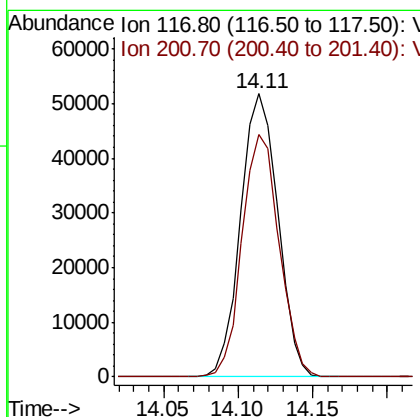
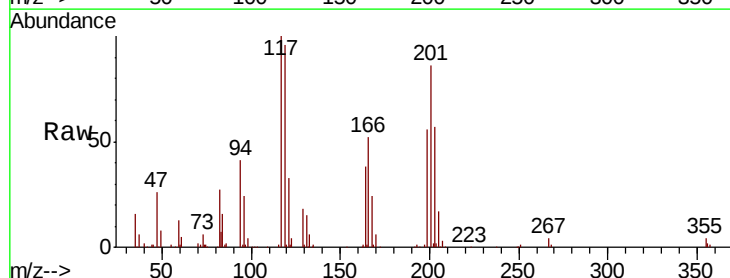
Instrument :
MSVOA_D
ClientSampleId :
S406-K-SO-1-1.5-081420MSD

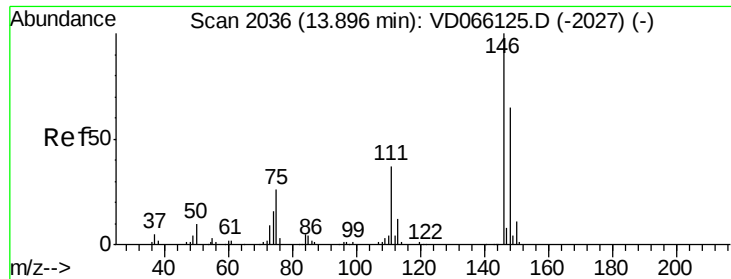
Tot Ion: 91 Resp: 361941
Ion Ratio Lower Upper
91 100
92 53.3 26.8 80.3
134 27.6 14.0 41.9



#90
Hexachloroethane
Concen: 47.936 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion: 117 Resp: 89914
Ion Ratio Lower Upper
117 100
201 84.8 42.7 128.1

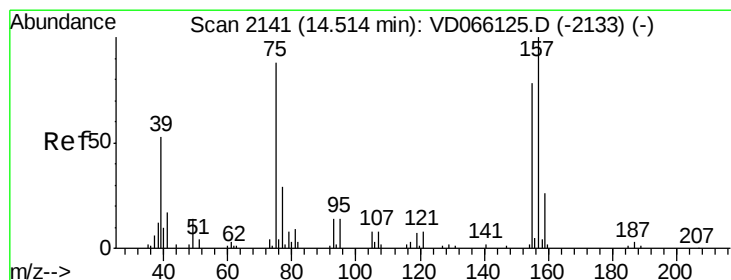
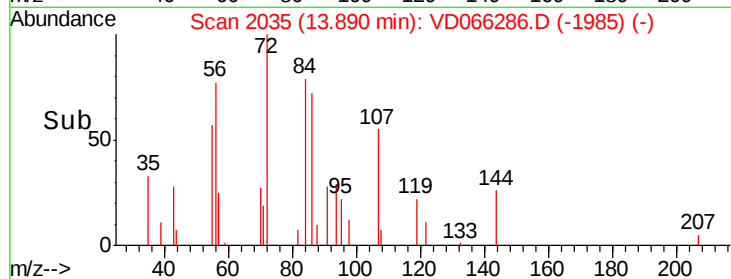
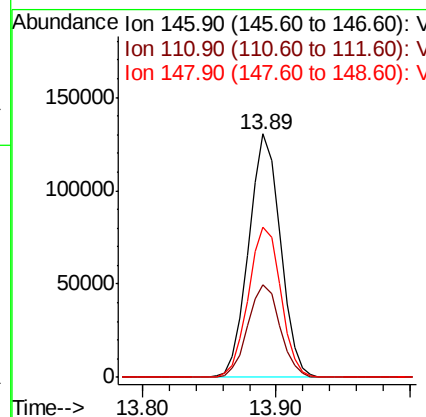
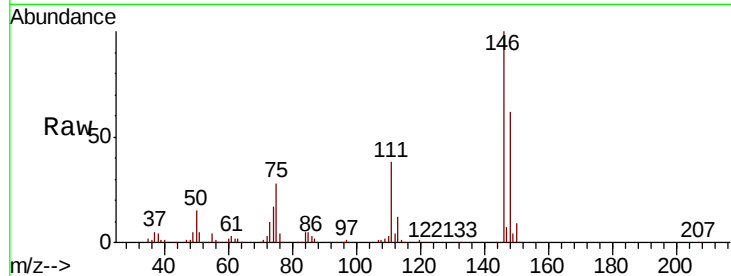




#91
 1,2-Dichlorobenzene
 Concen: 49.285 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

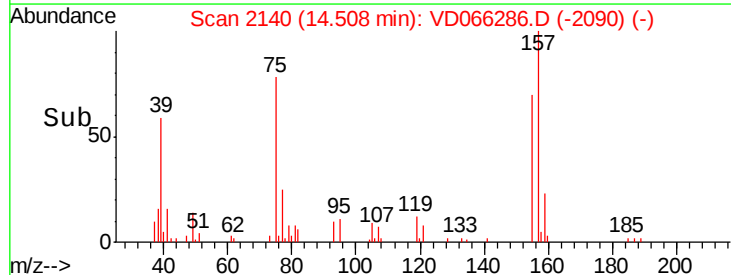
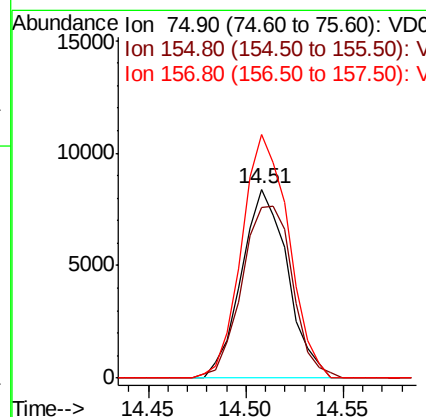
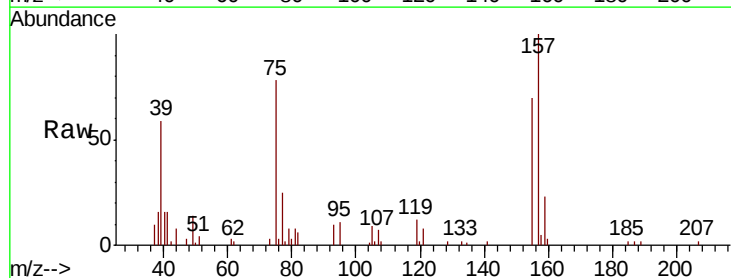
Instrument :
 MSVOA_D
 ClientSampleId :
 S406-K-SO-1-1.5-081420MSD

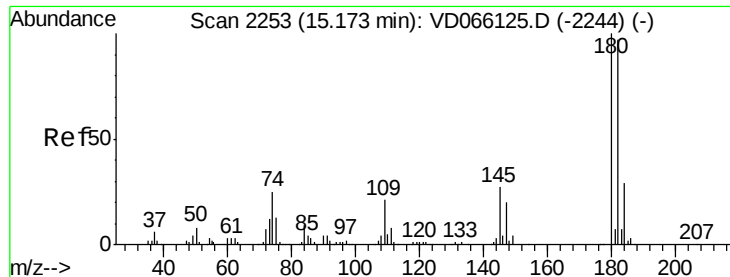
Tot Ion:146 Resp: 212947
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.8 56.3
 148 63.3 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.472 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

Tgt Ion: 75 Resp: 13753
 Ion Ratio Lower Upper
 75 100
 155 99.8 47.7 143.1
 157 131.3 62.1 186.2

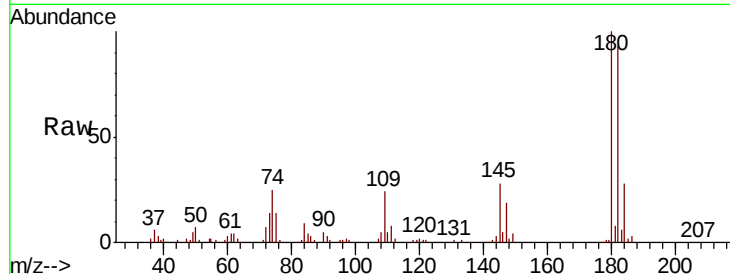




#93
 1,2,4-Trichlorobenzene
 Concen: 38.476 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

Instrument :
 MSVOA_D
 ClientSampleId :
 S406-K-SO-1-1.5-081420MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.4	142.2
145	30.5	14.5	43.6

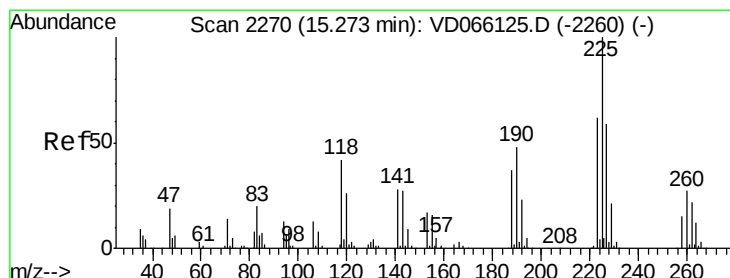
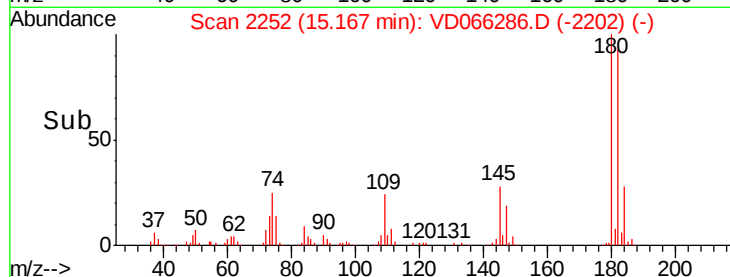
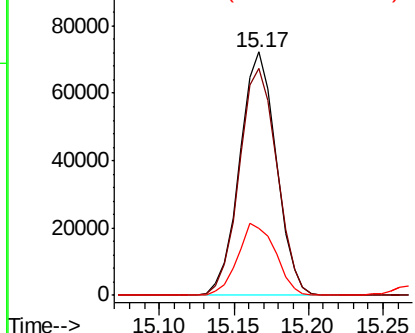


Abundance

Ion 179.80 (179.50 to 180.50): V

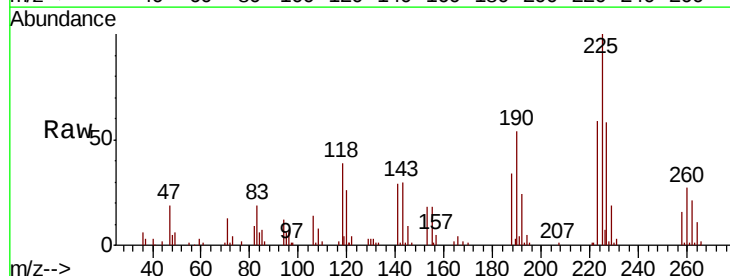
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 32.084 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	32.3	96.9
227	62.0	32.1	96.5

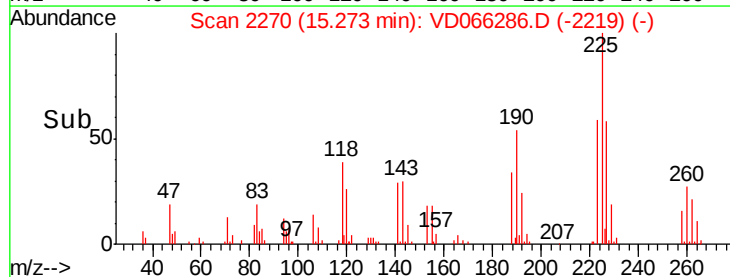
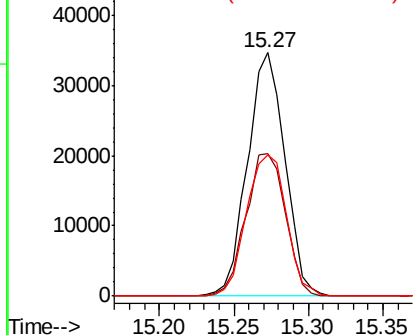


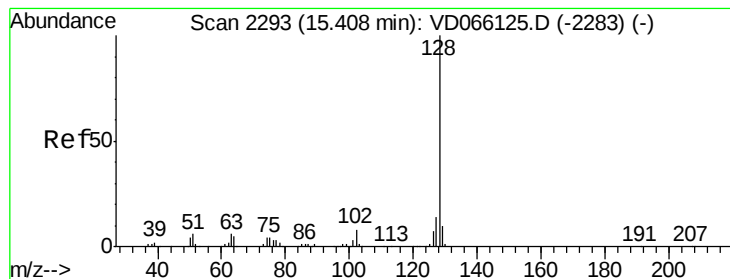
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 42.899 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Instrument :

MSVOA_D

ClientSampleId :

S406-K-SO-1-1.5-081420MSD

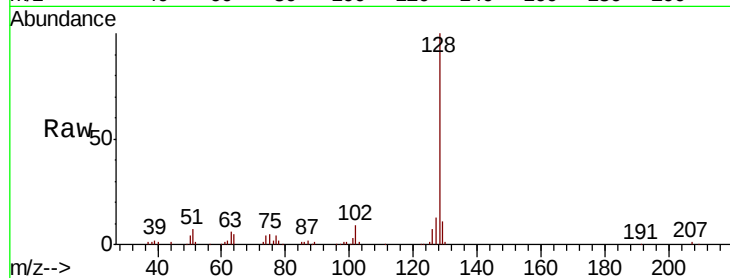
Tot Ion:128 Resp: 222569

Ion Ratio Lower Upper

128 100

127 13.3 11.0 16.4

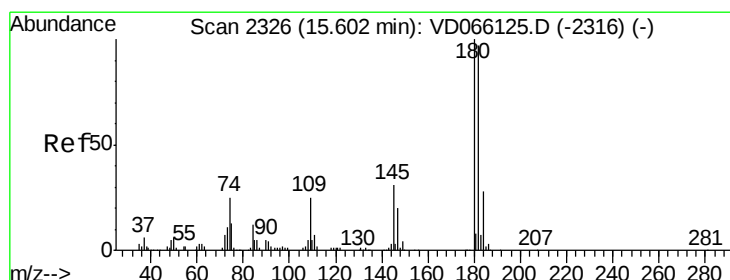
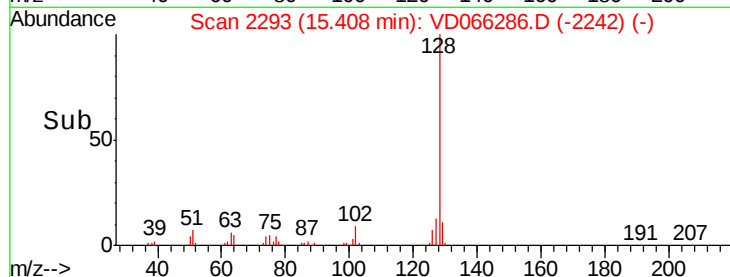
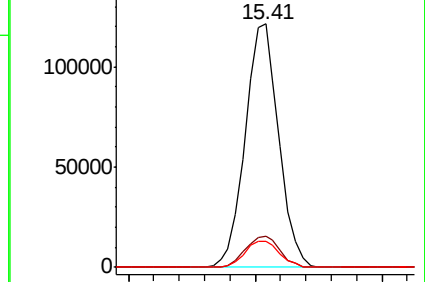
129 11.2 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 36.983 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

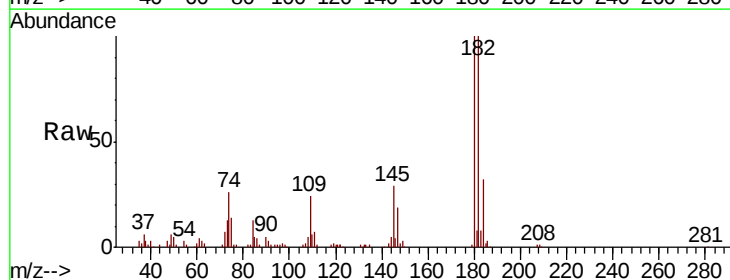
Tgt Ion:180 Resp: 103953

Ion Ratio Lower Upper

180 100

182 96.9 47.1 141.4

145 30.8 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

