

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

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:23:27 PM

Quant Time: Aug 19 07:27:02 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	86409m	23.225	ug/l	
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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Quant Time: Aug 19 07:27:02 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)
39) Methylcyclohexane	9.35	83	154964	39.331	ug/l	97
40) Benzene	8.34	78	435012	48.112	ug/l	98
41) Methacrylonitrile	7.53	41	31517m	41.508	ug/l	
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	63558m	50.381	ug/l	
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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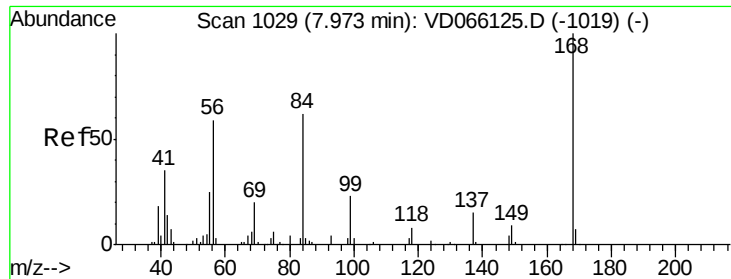
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

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Instrument :

MSVOA_D

ClientSampleId :

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

Tot Ion:168 Resp: 239360

Ion Ratio Lower Upper

168 100

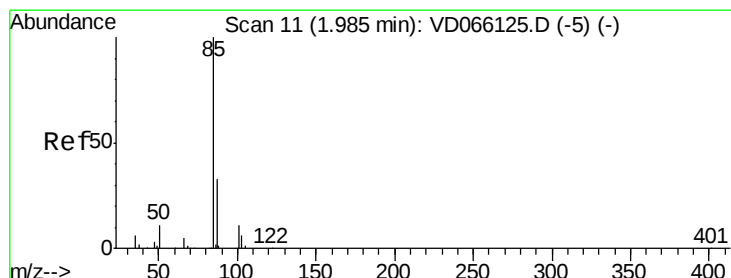
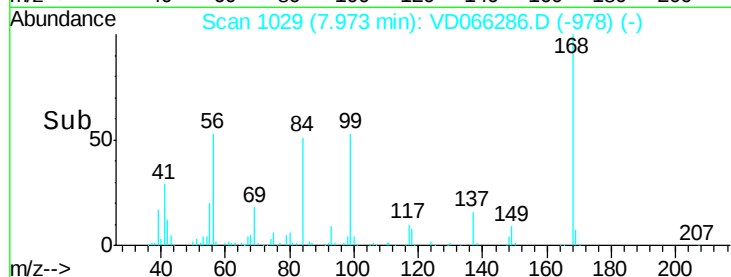
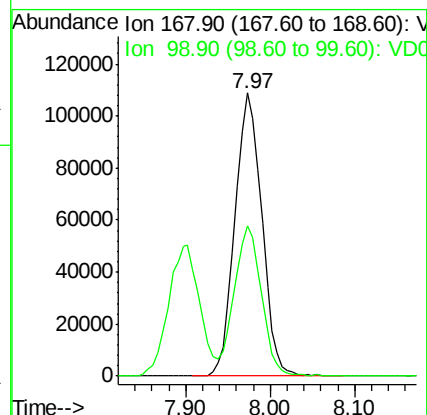
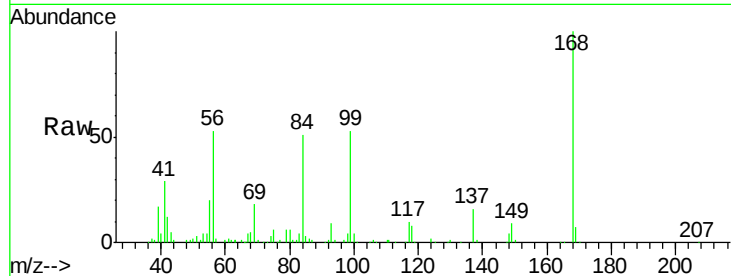
99 53.0 42.2 63.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 39.321 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066286.D

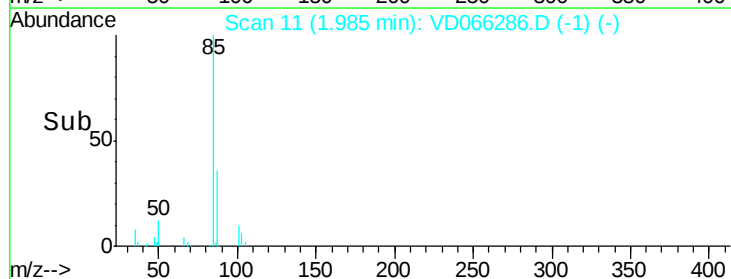
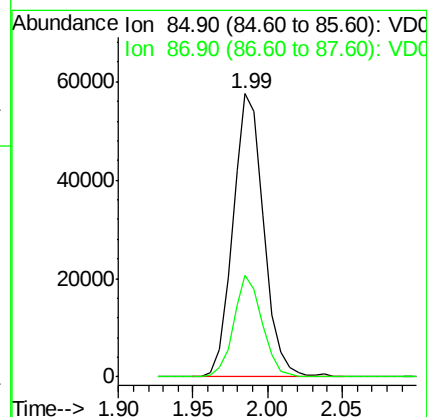
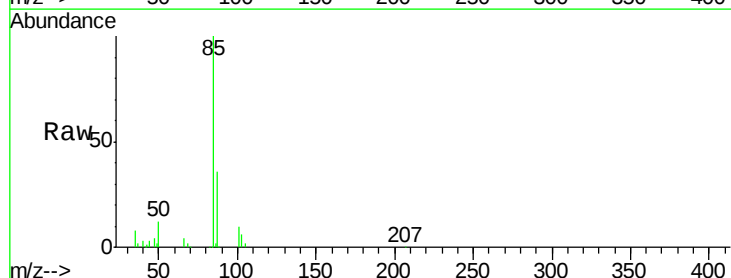
Acq: 18 Aug 2020 18:58

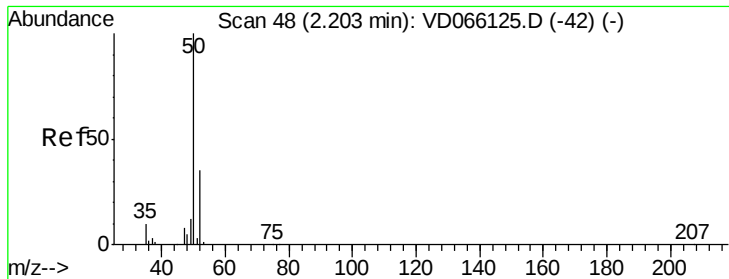
Tgt Ion: 85 Resp: 82921

Ion Ratio Lower Upper

85 100

87 36.1 16.3 48.8





#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 :

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ClientSampleId :

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Tot Ion: 50 Resp: 63877

Ion Ratio Lower Upper

50 100

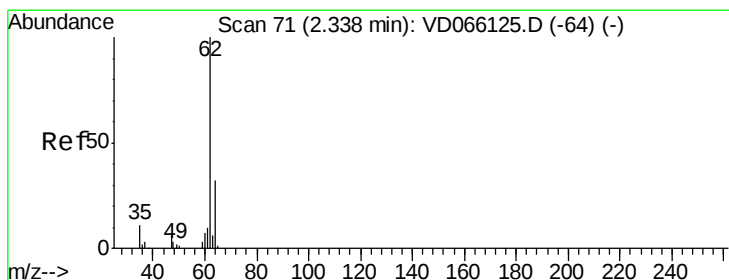
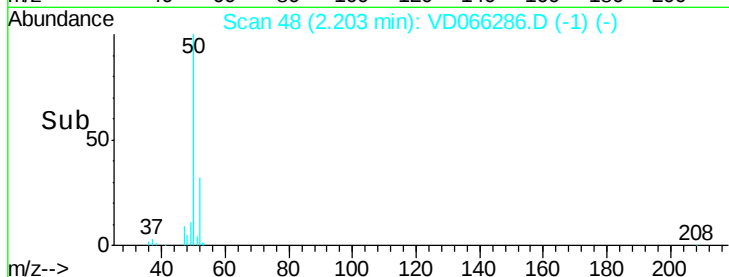
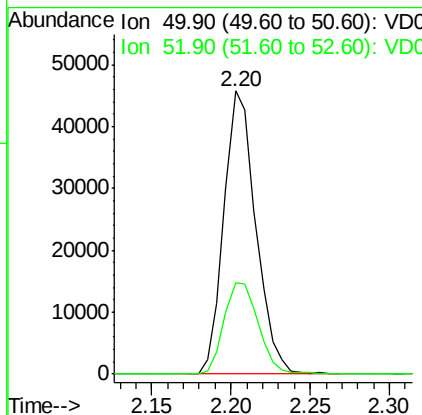
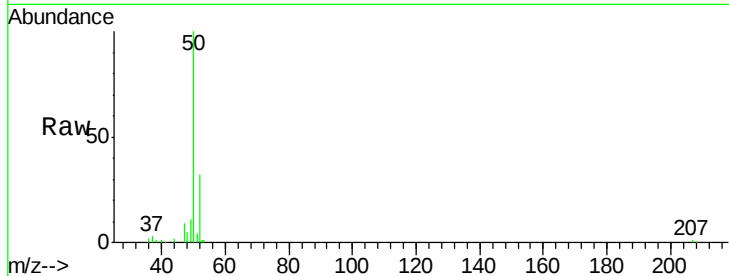
52 32.5 27.9 41.9

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#4

Vinyl Chloride

Concen: 45.007 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066286.D

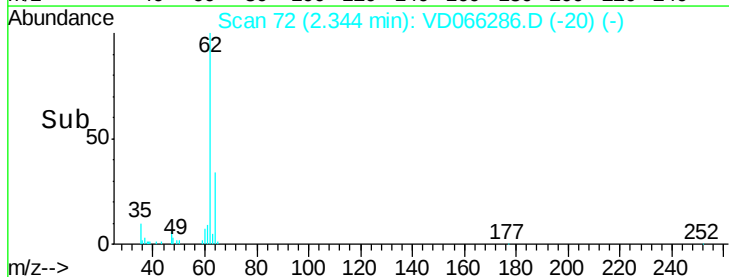
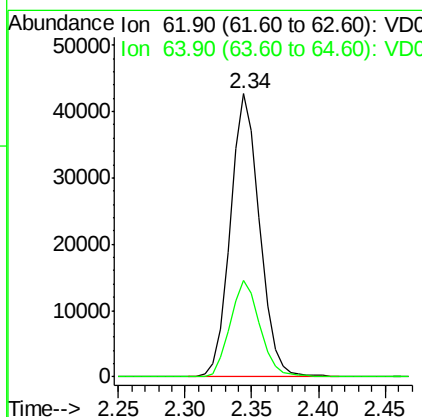
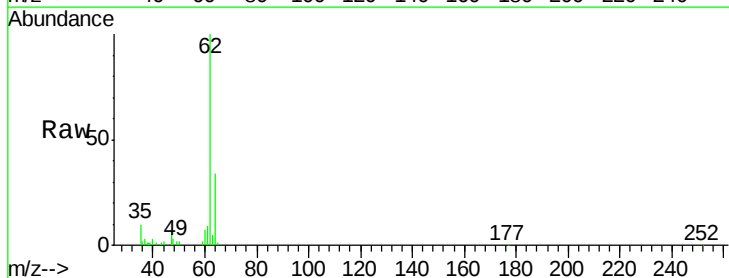
Acq: 18 Aug 2020 18:58

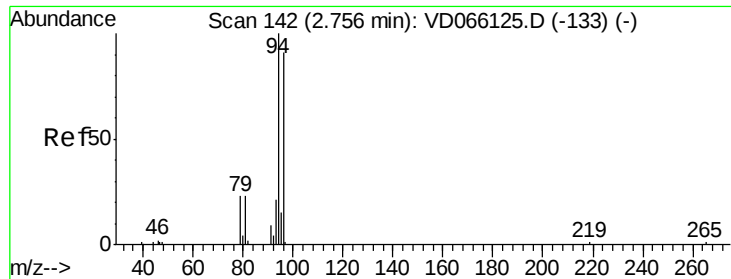
Tgt Ion: 62 Resp: 65366

Ion Ratio Lower Upper

62 100

64 34.2 25.8 38.8





#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

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Tot Ion: 94 Resp: 45388

Ion Ratio Lower Upper

94 100

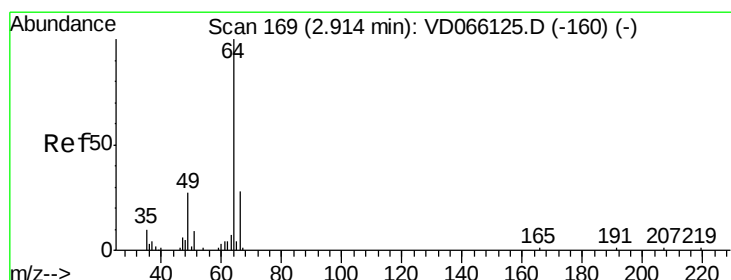
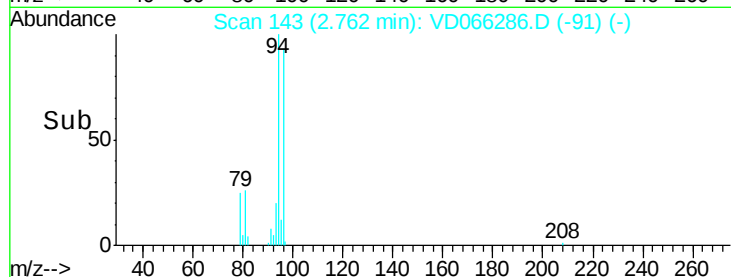
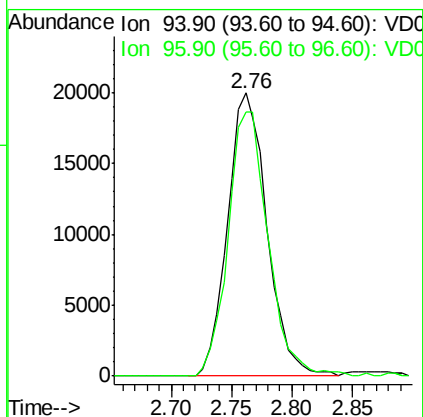
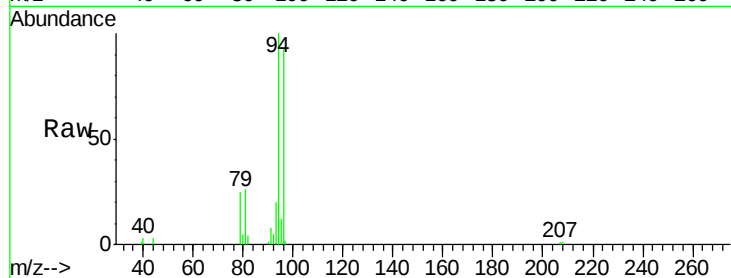
96 93.4 72.6 109.0

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#6

Chloroethane

Concen: 48.001 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066286.D

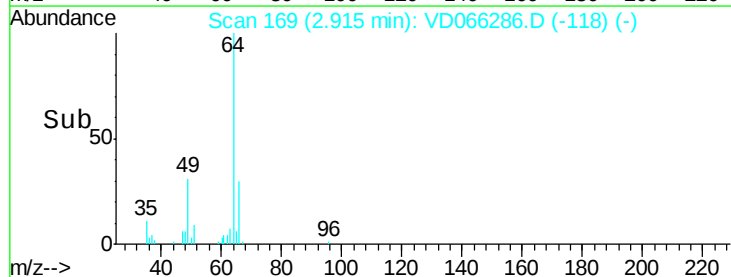
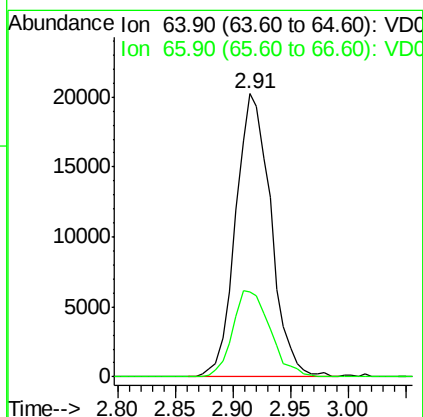
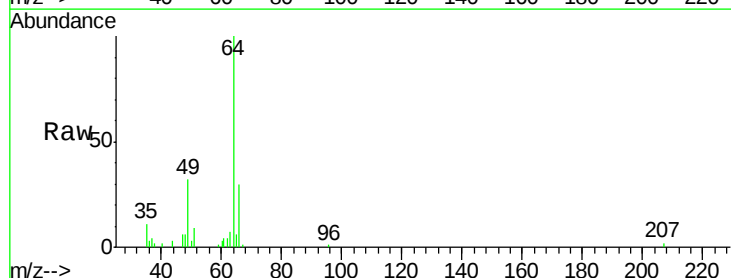
Acq: 18 Aug 2020 18:58

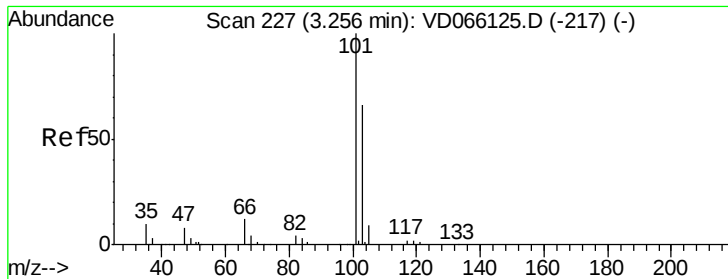
Tgt Ion: 64 Resp: 42793

Ion Ratio Lower Upper

64 100

66 30.2 22.0 33.0





#7

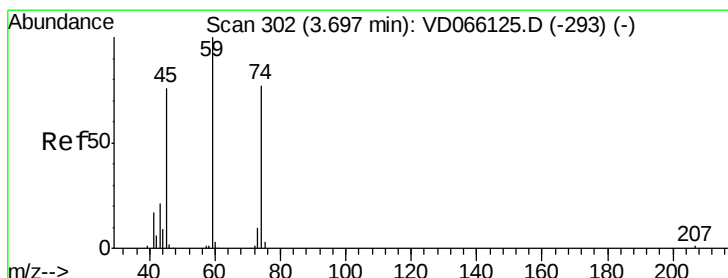
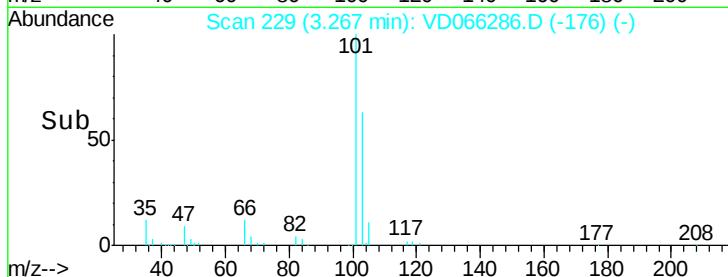
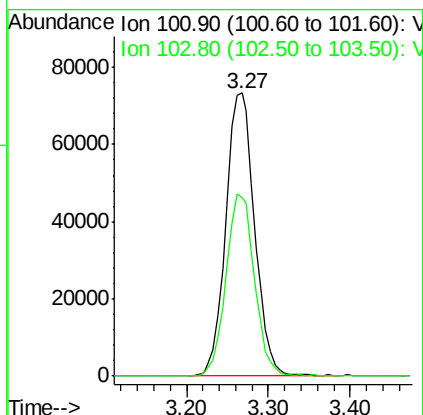
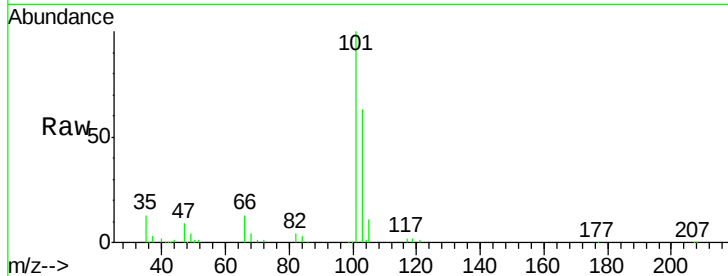
Trichlorofluoromethane
Concen: 47.516 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	53.0	79.6

Manual Integrations
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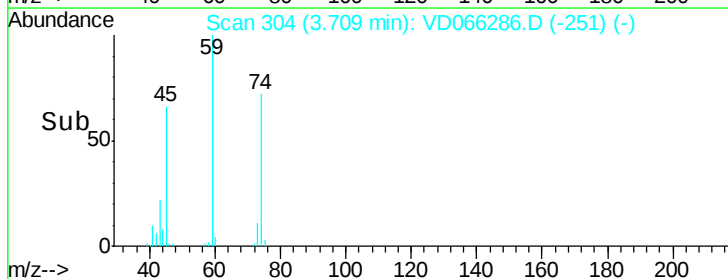
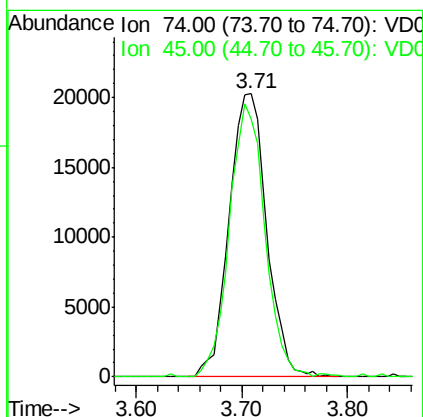
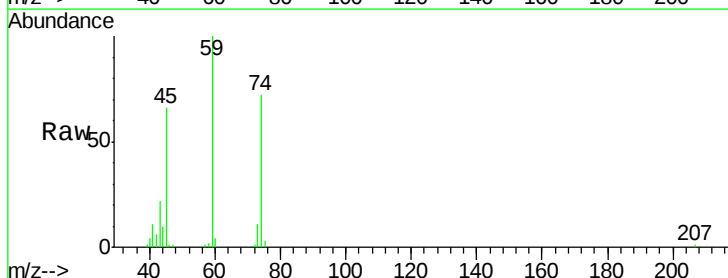
MMDadoda
8/19/2020 5:23:27 PM

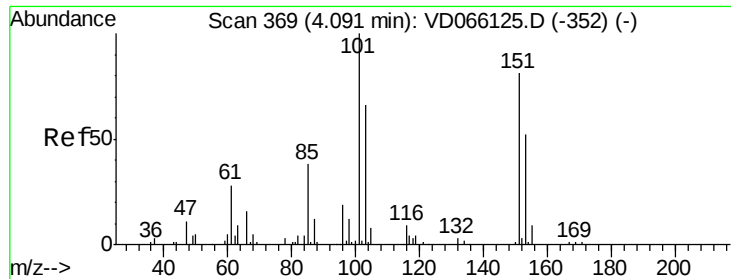


#8

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	Ratio	Lower	Upper
74	100		
45	90.7	48.4	145.2





#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

Instrument :

MSVOA_D

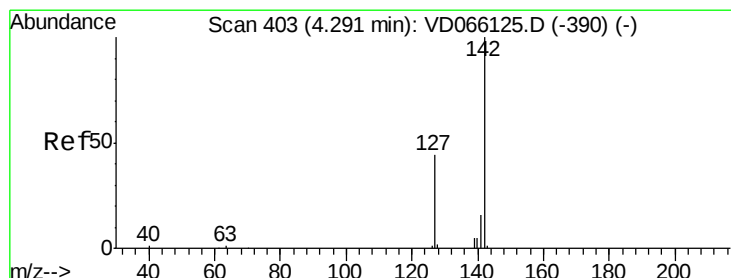
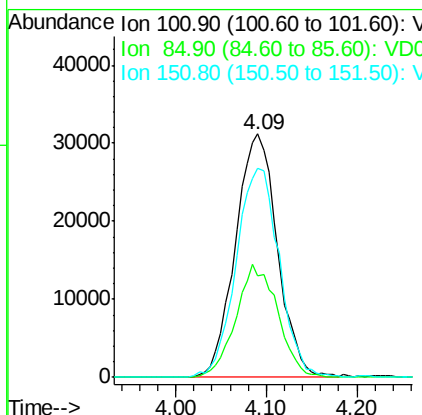
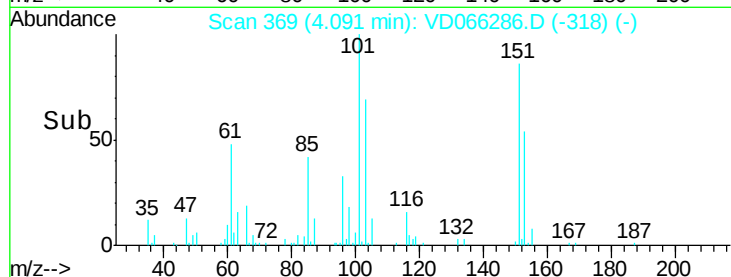
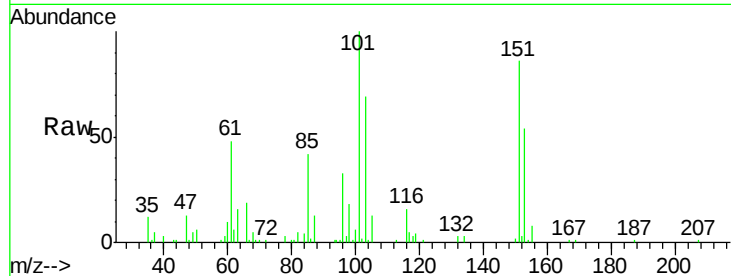
ClientSampleId :

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

Manual Integrations
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#10

Methyl Iodide

Concen: 48.494 ug/l

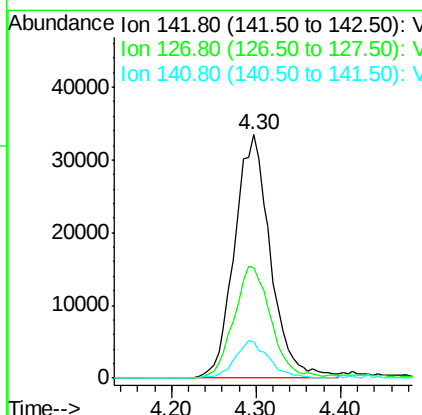
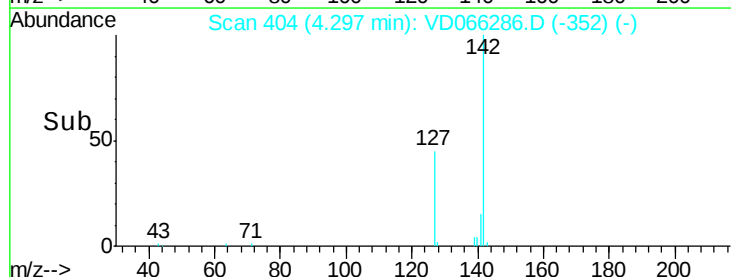
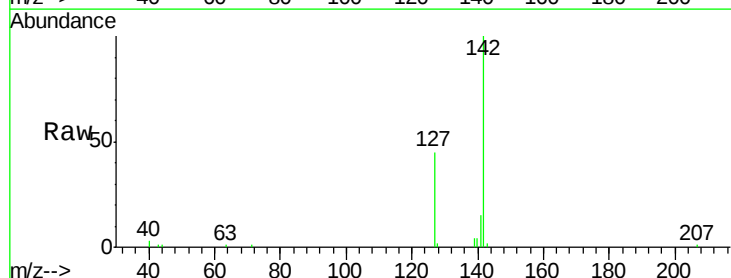
RT: 4.30 min Scan# 404

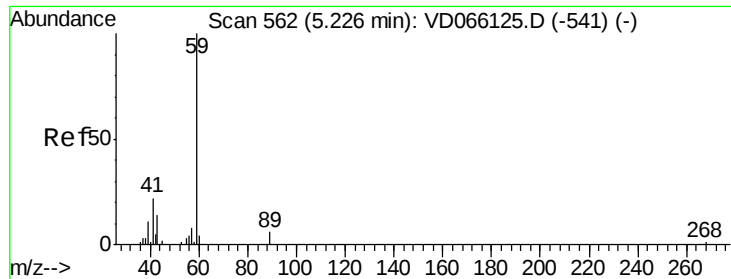
Delta R.T. 0.01 min

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





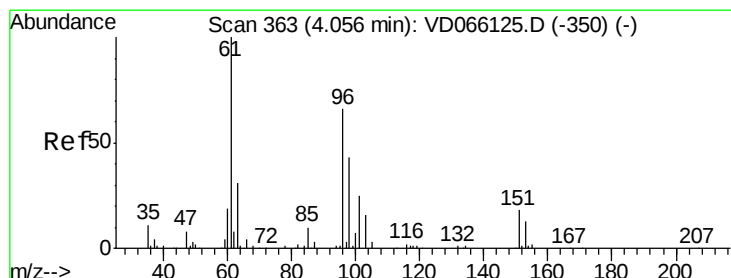
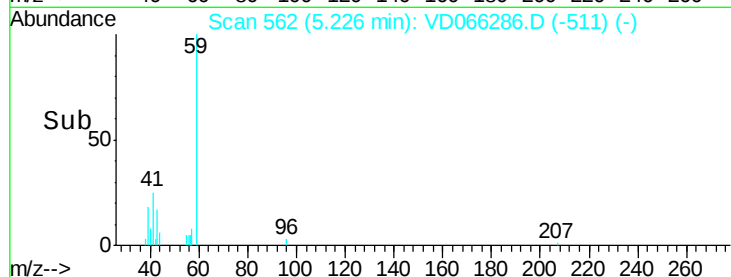
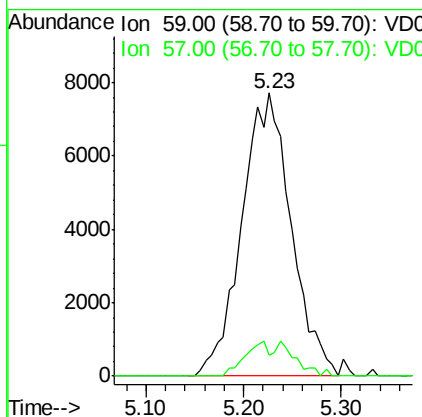
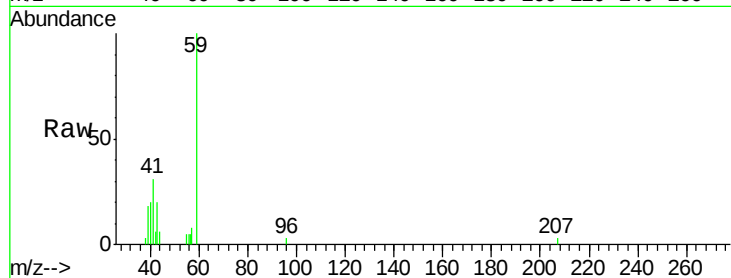
#11
Tert butyl alcohol
Concen: 156.954 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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#

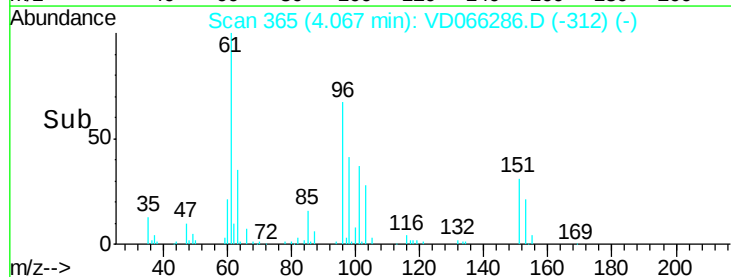
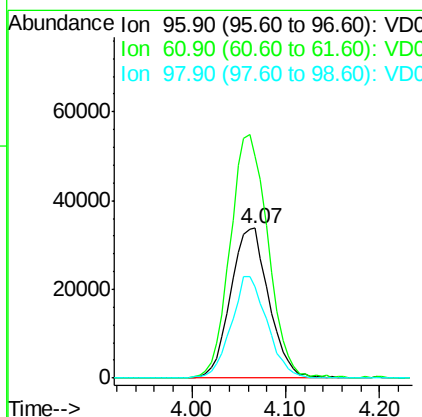
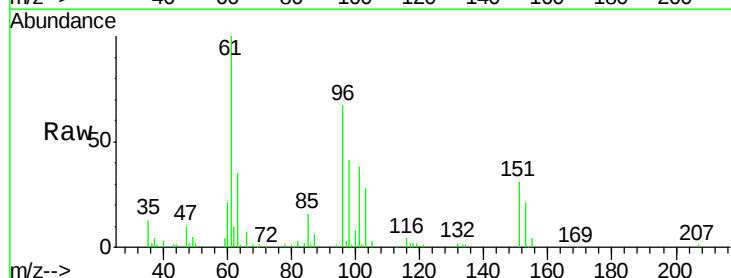
Manual Integrations
APPROVED

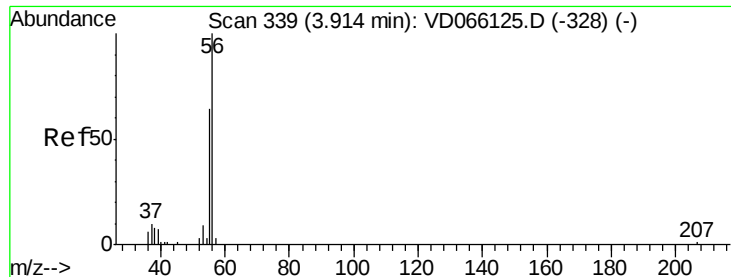
MMDadoda
8/19/2020 5:23:27 PM



#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

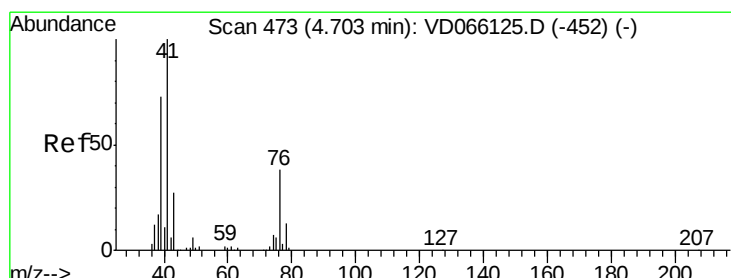
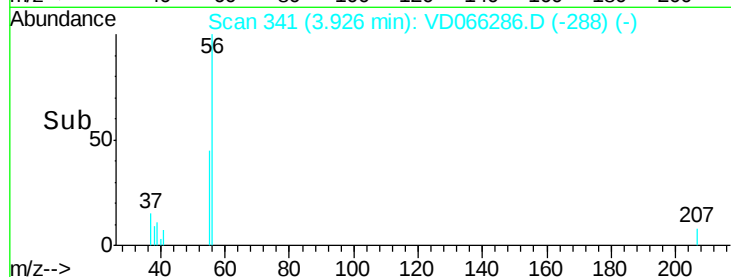
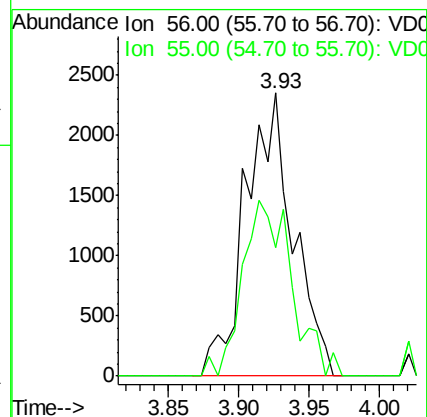
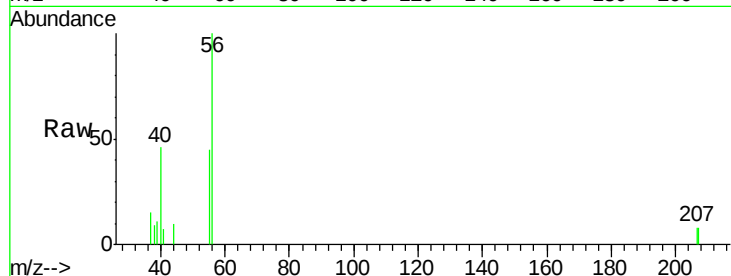
55 63.8 56.7 85.1

Manual Integrations

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#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

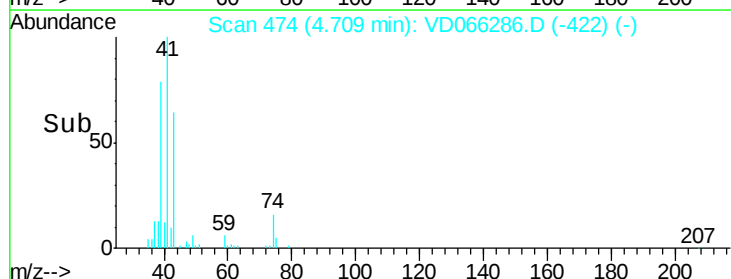
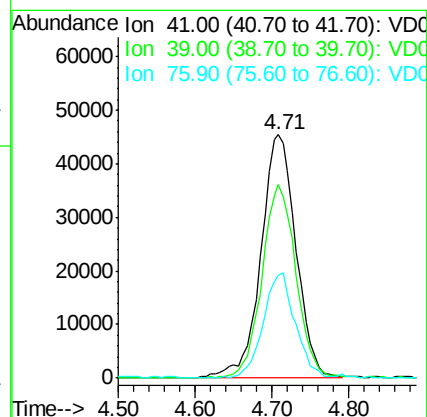
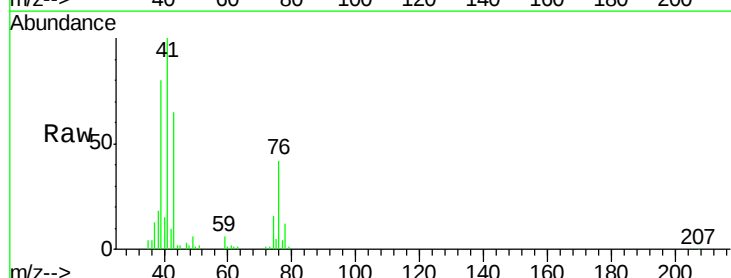
Tgt Ion: 41 Resp: 143901

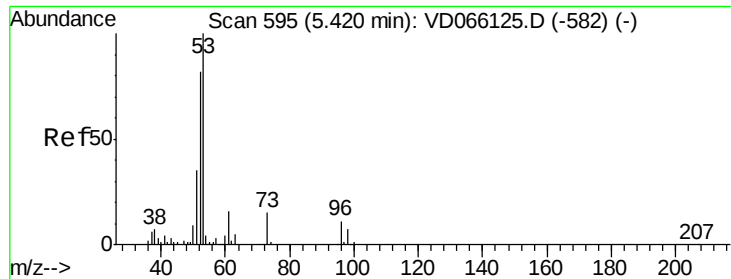
Ion Ratio Lower Upper

41 100

39 77.4 57.4 86.0

76 39.7 30.1 45.1





#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

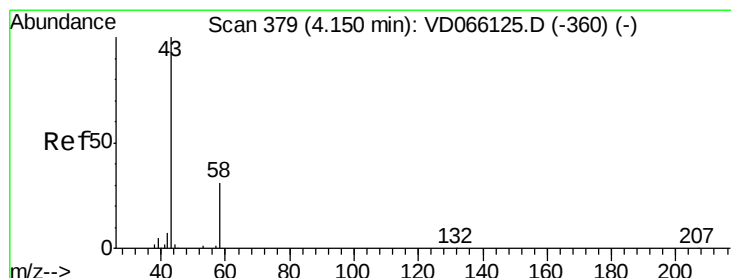
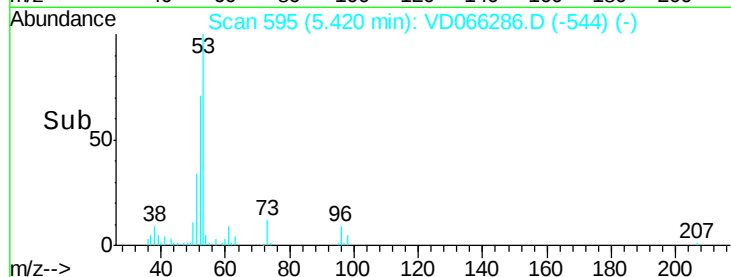
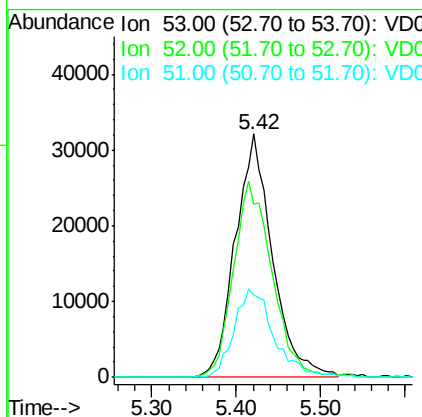
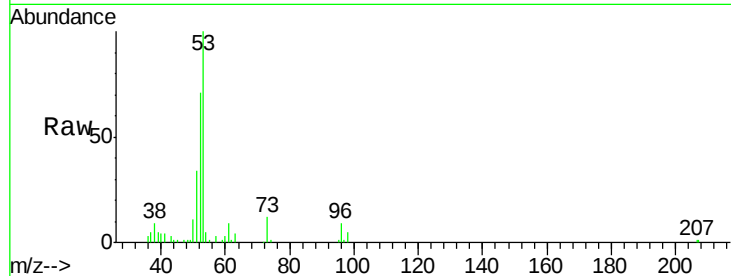
ClientSampleId :

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

Manual Integrations
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#16

Acetone

Concen: 183.143 ug/l

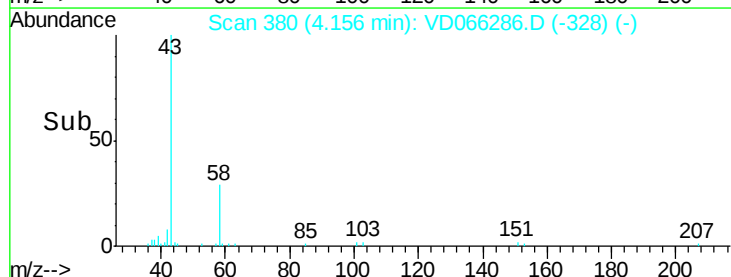
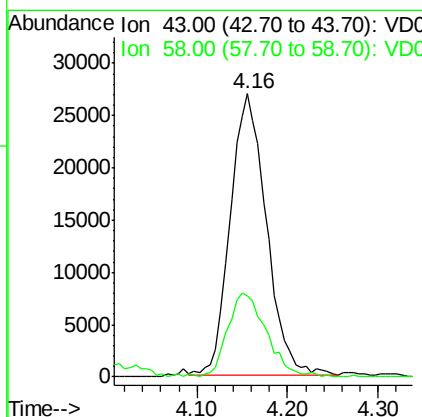
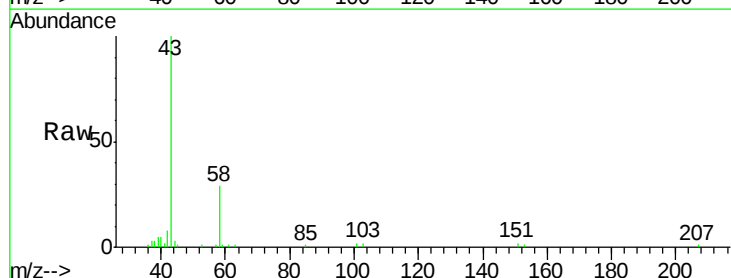
RT: 4.16 min Scan# 380

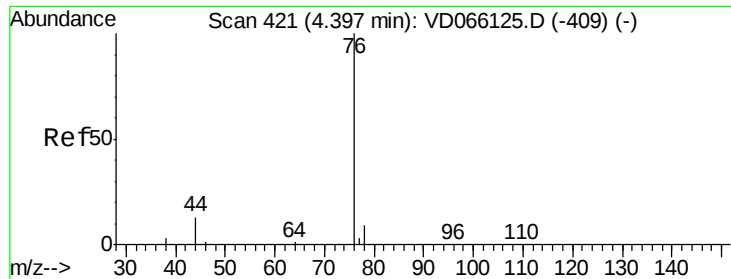
Delta R.T. 0.01 min

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





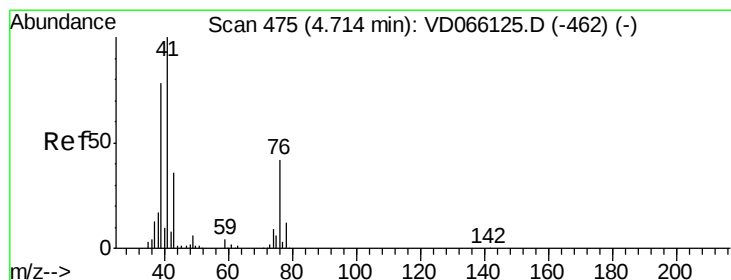
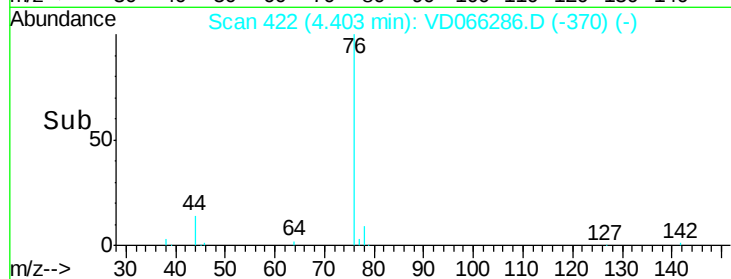
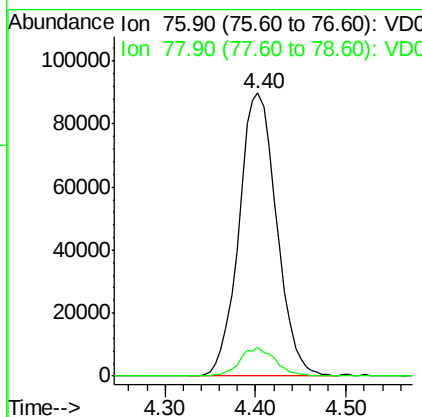
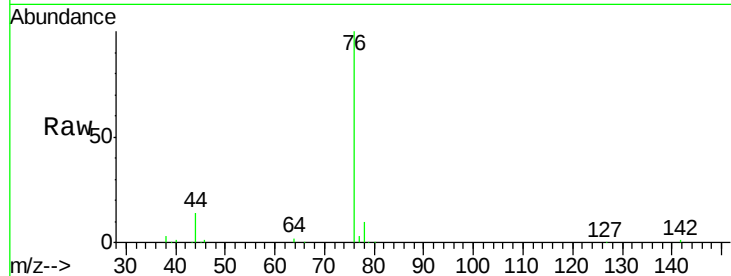
#17
Carbon Disulfide
Concen: 38.426 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.5	11.3

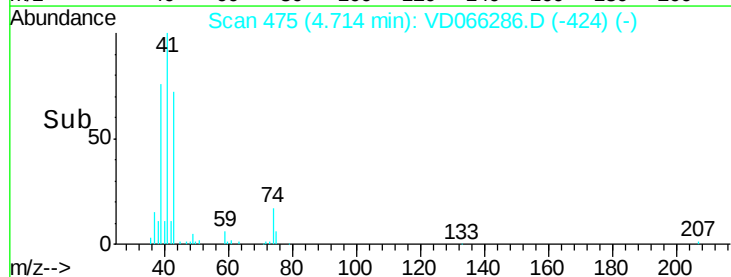
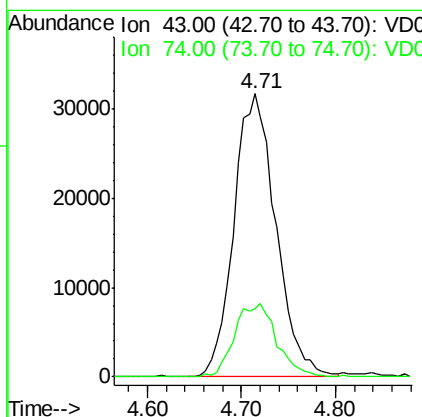
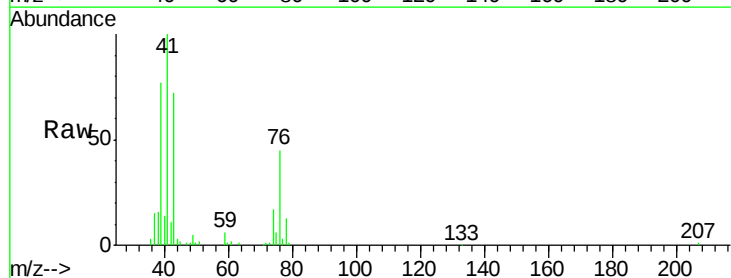
Manual Integrations
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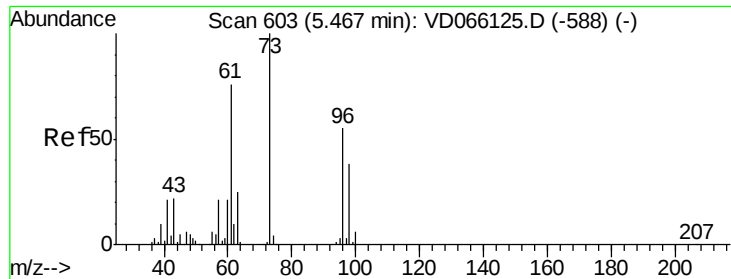
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#18
Methyl Acetate
Concen: 95.116 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.9	21.2	31.8





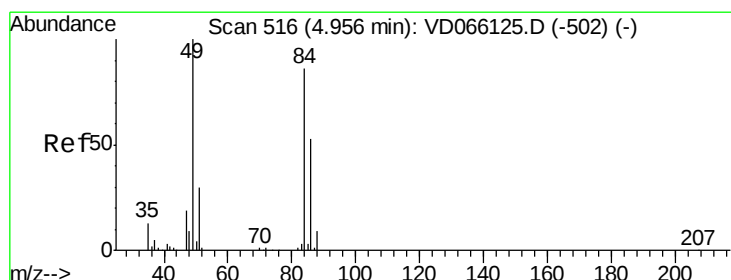
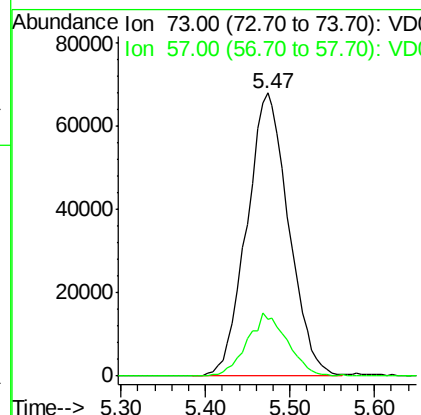
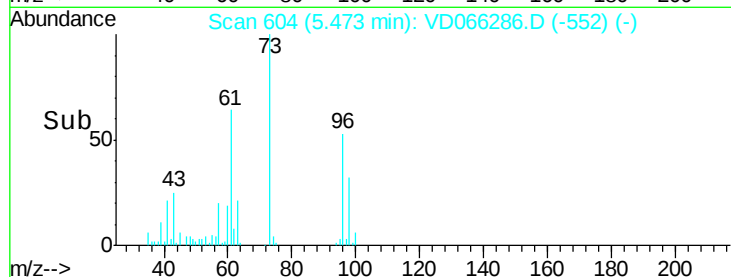
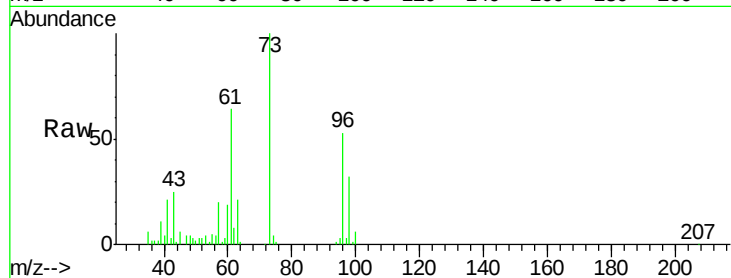
#19
Methyl tert-butyl Ether
Concen: 48.066 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

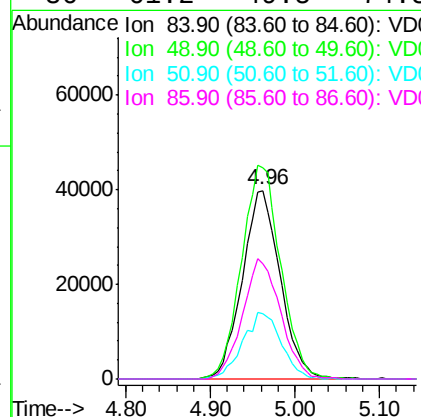
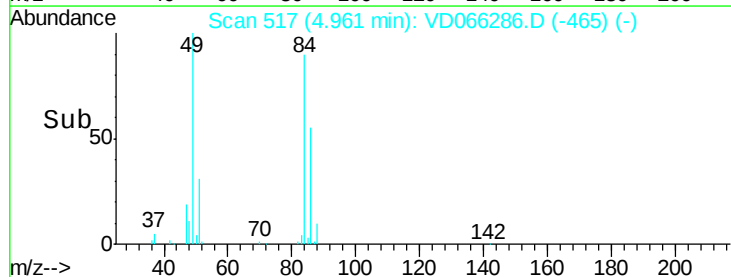
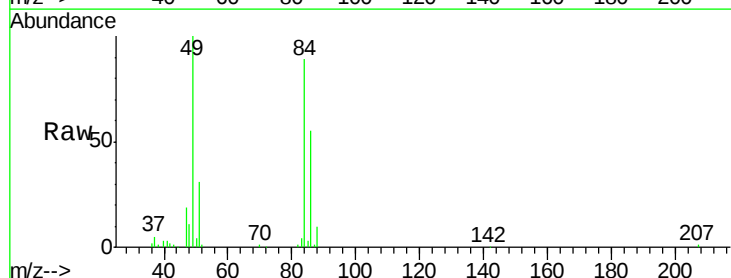
Manual Integrations
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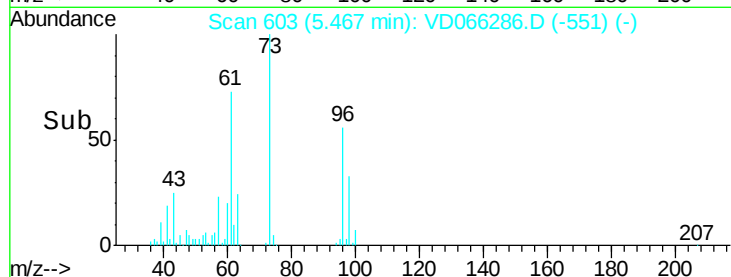
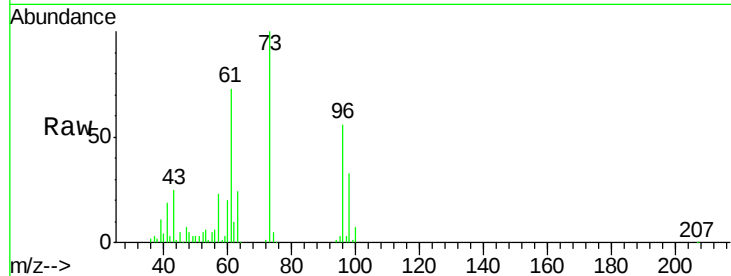
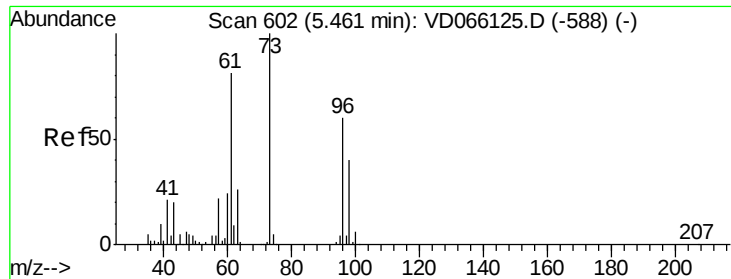
MMDadoda
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#20
Methylene Chloride
Concen: 53.769 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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





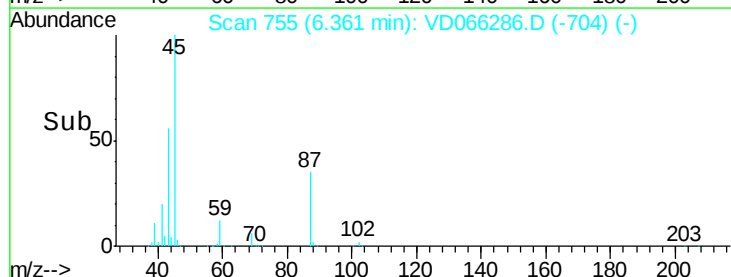
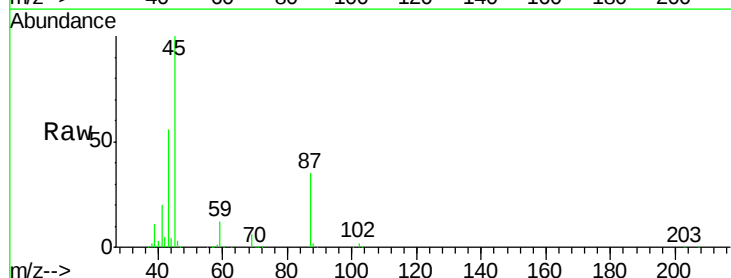
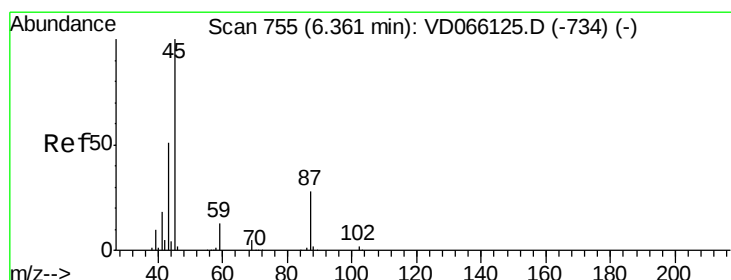
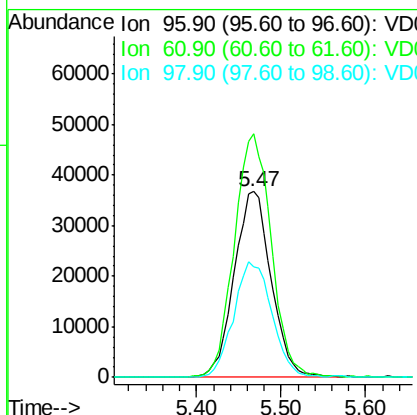
#21
trans-1,2-Dichloroethene
Concen: 45.765 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.2	106.9	160.3
98	59.8	53.4	80.0

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

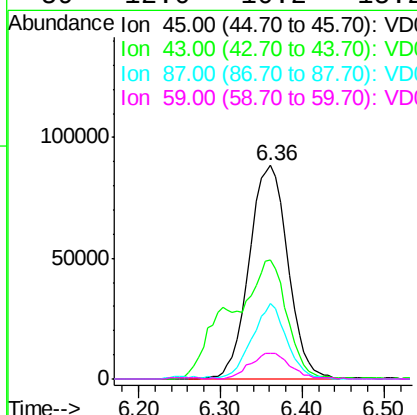
Manual Integrations
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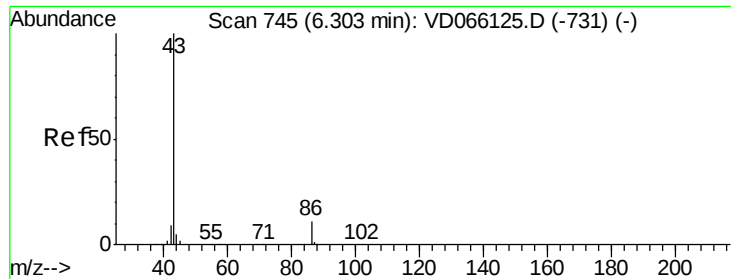
MMDadoda
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#22
Diisopropyl ether
Concen: 45.850 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion	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: 23.225 ug/l m

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: 86409

Ion Ratio Lower Upper

43 100

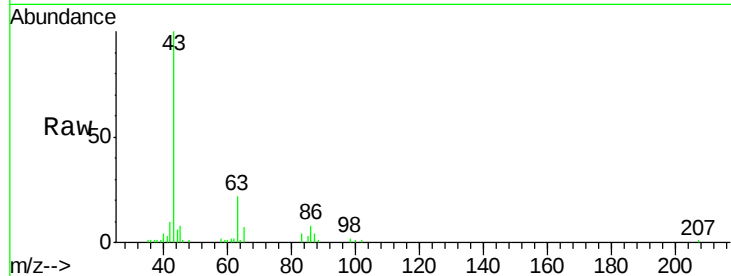
86 8.1 9.1 13.7#

Manual Integrations

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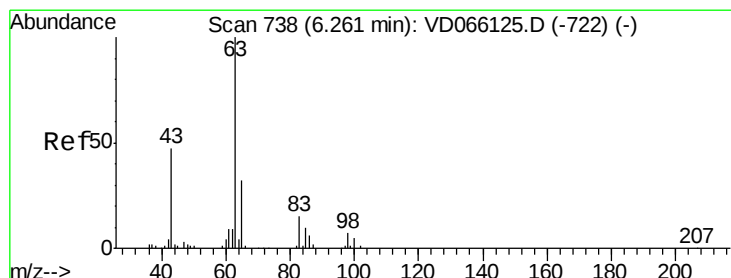
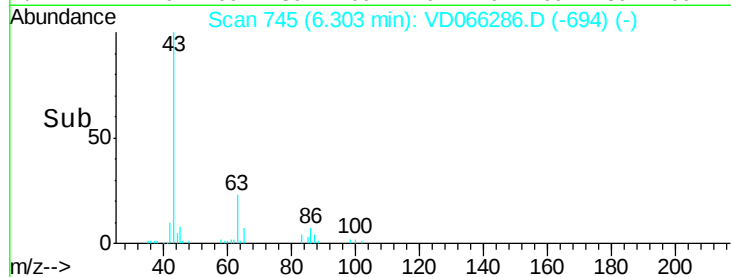
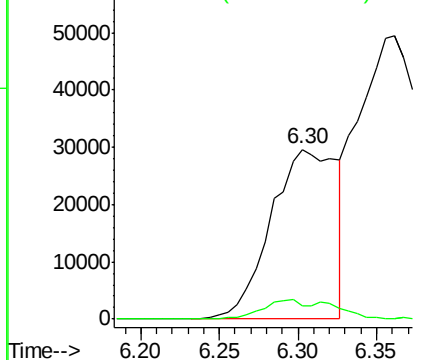
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 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

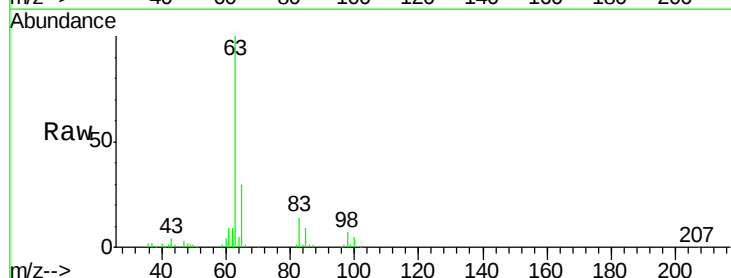
Tgt Ion: 63 Resp: 189626

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

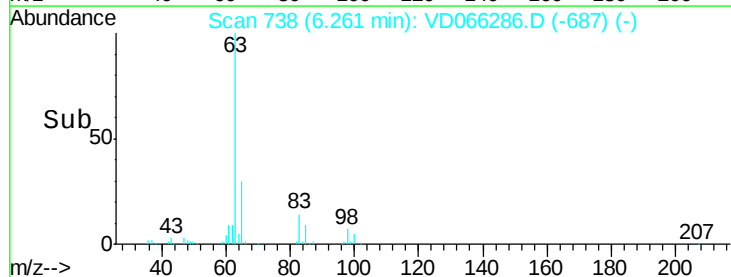
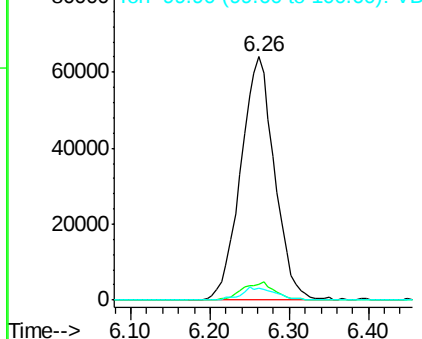
100 5.1 2.4 7.2

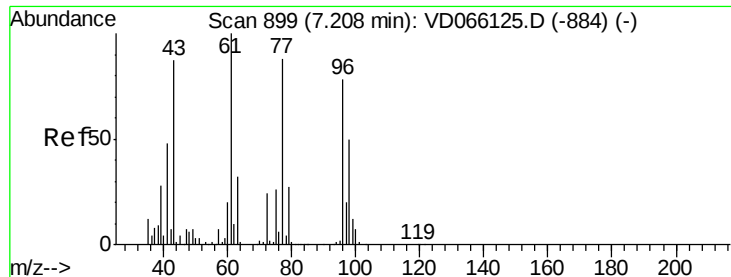


Abundance Ion 62.90 (62.60 to 63.60): VDC

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

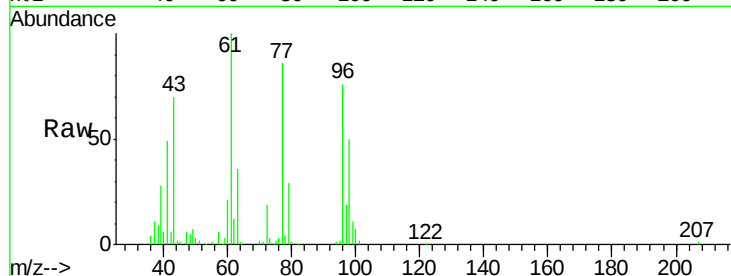
72 27.0 22.2 33.2

Manual Integrations

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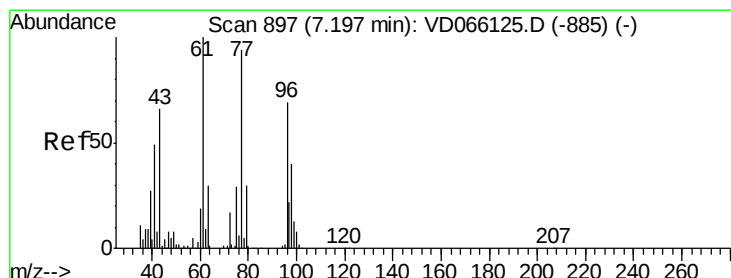
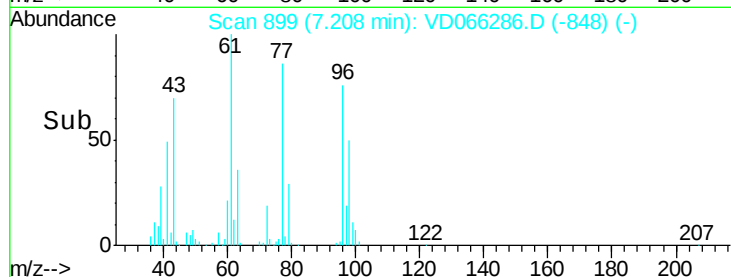
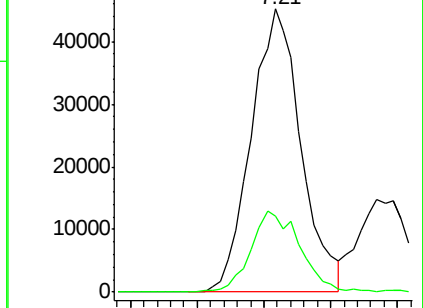
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 45.852 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066286.D

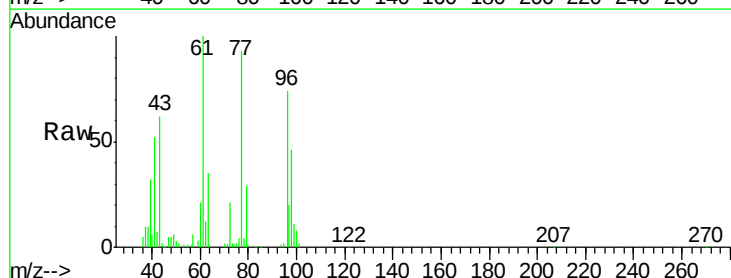
Acq: 18 Aug 2020 18:58

Tgt Ion: 77 Resp: 161516

Ion Ratio Lower Upper

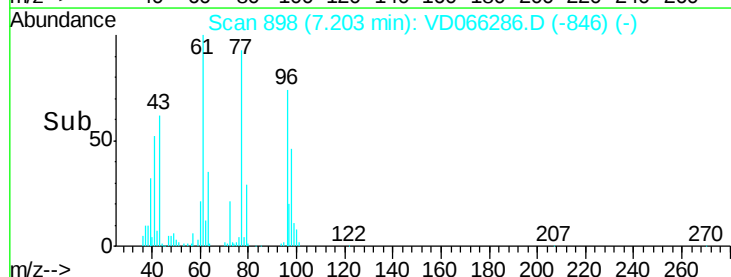
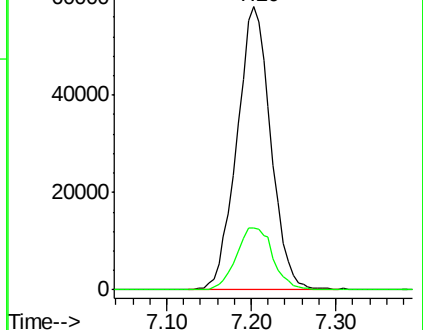
77 100

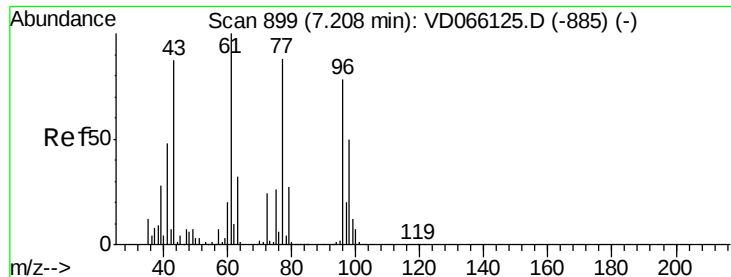
97 23.7 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

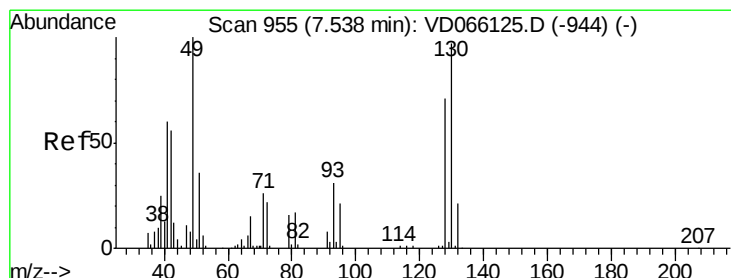
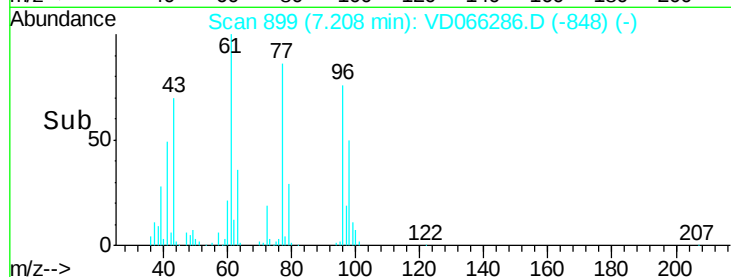
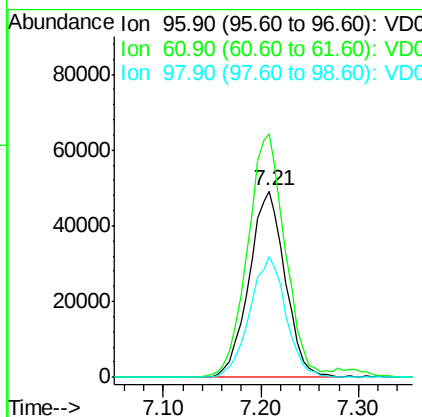
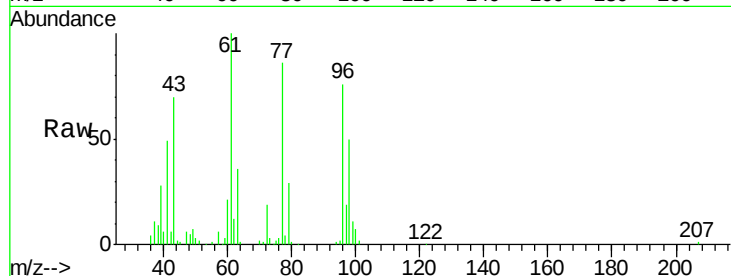
cis-1,2-Dichloroethene
Concen: 49.692 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

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

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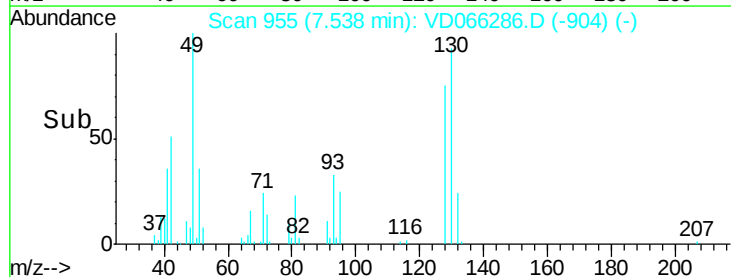
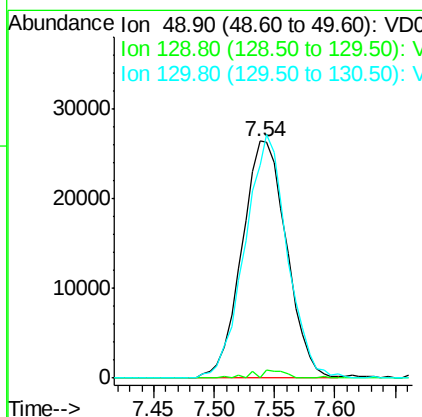
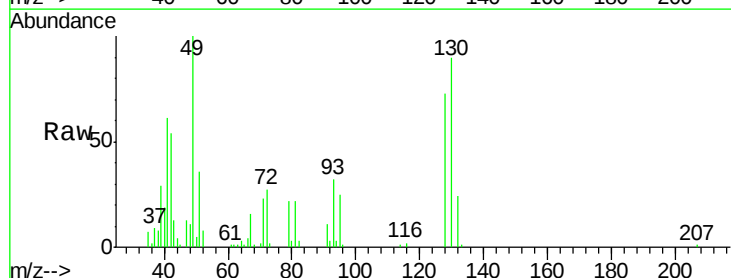
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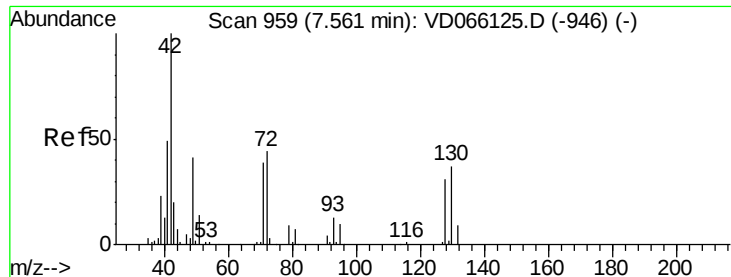


#28

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	Ratio	Lower	Upper
49	100		
129	2.0	0.0	6.0
130	97.2	73.8	110.6





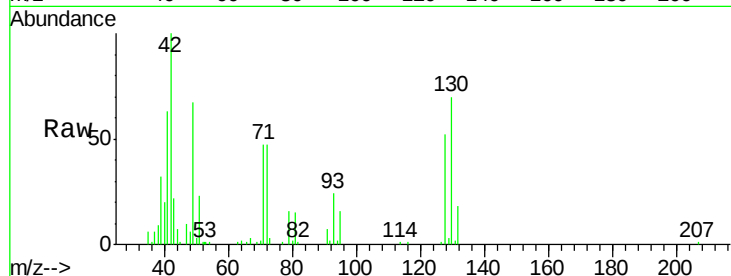
#29
Tetrahydrofuran
Concen: 207.346 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

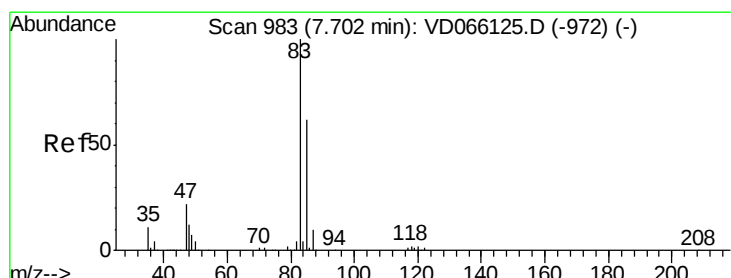
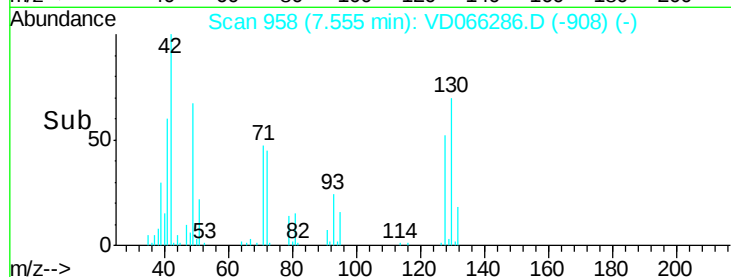
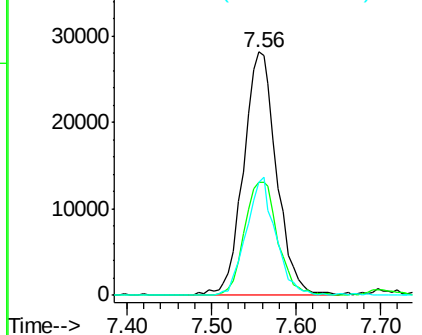
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	34.8	52.2
71	43.1	33.5	50.3

Manual Integrations
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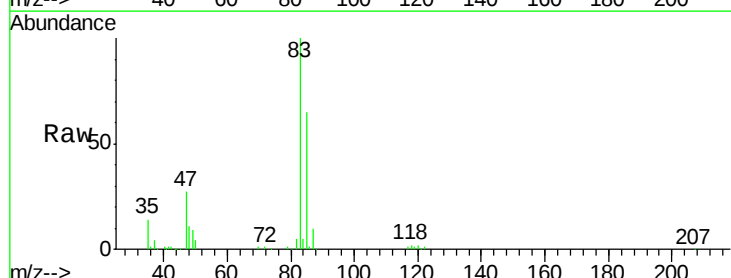


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

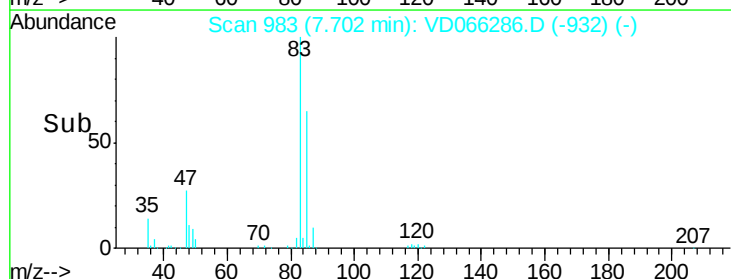
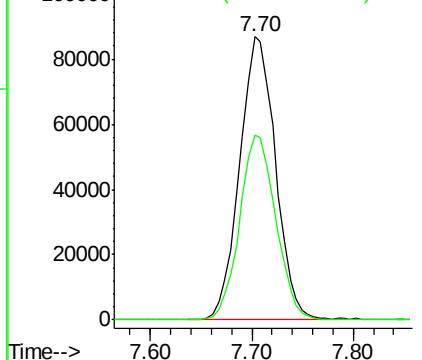


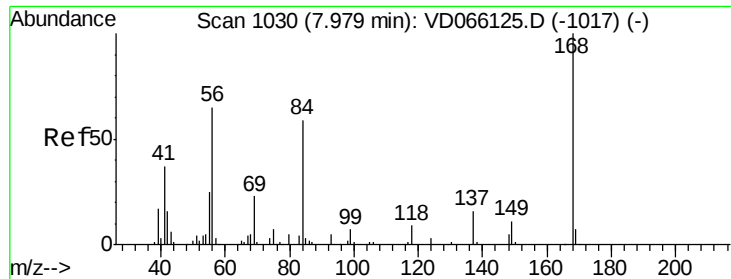
#30
Chloroform
Concen: 51.641 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion	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





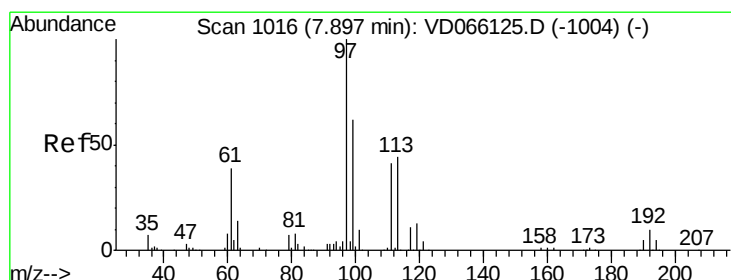
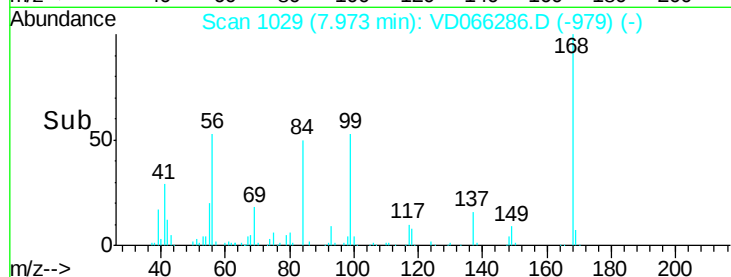
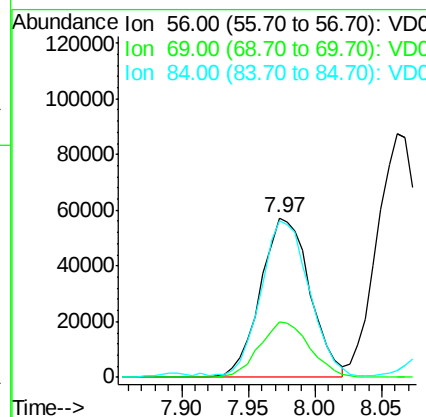
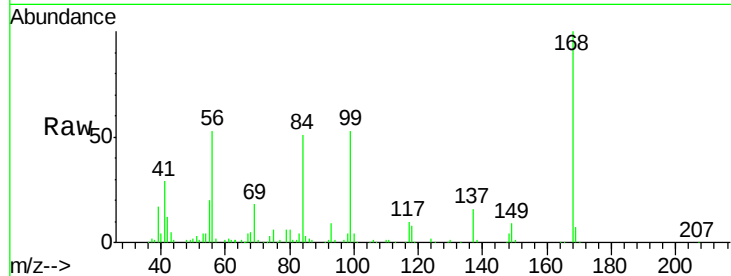
#31
Cyclohexane
Concen: 39.259 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

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

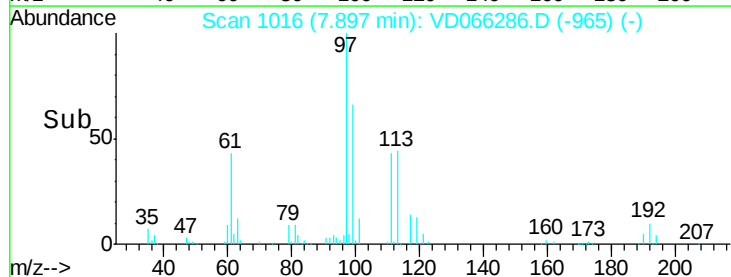
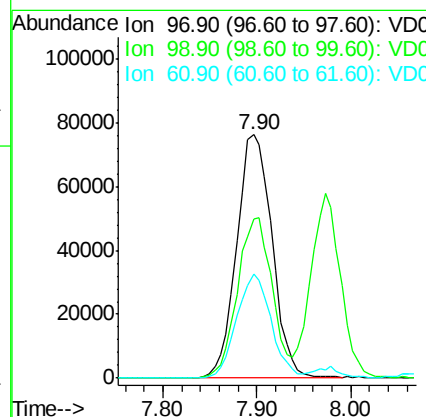
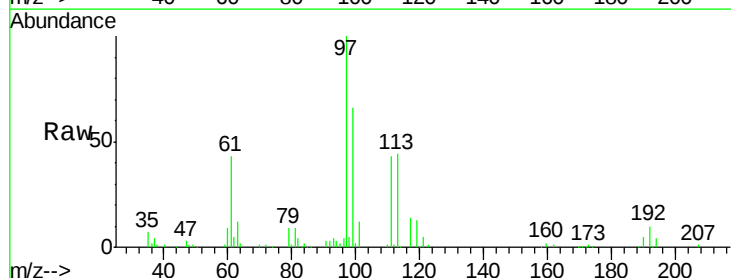
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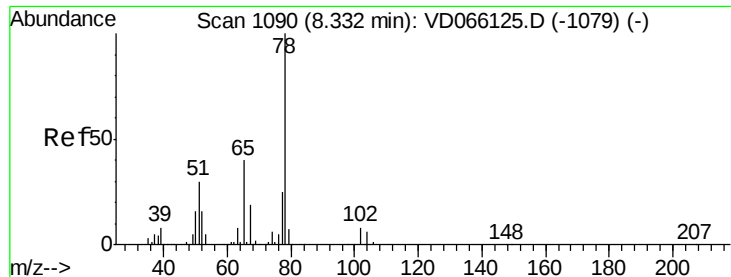
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#32
1,1,1-Trichloroethane
Concen: 51.717 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		200113		
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

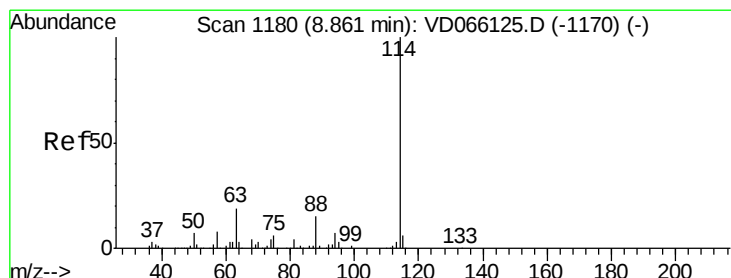
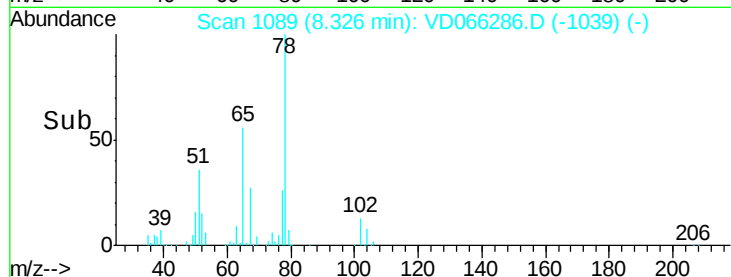
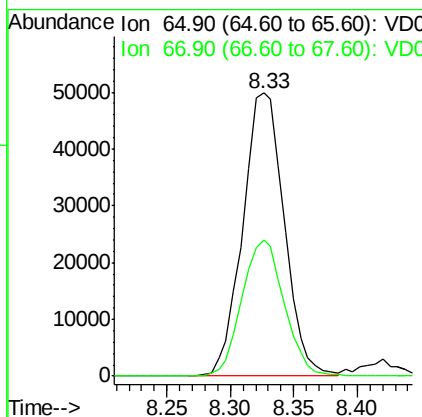
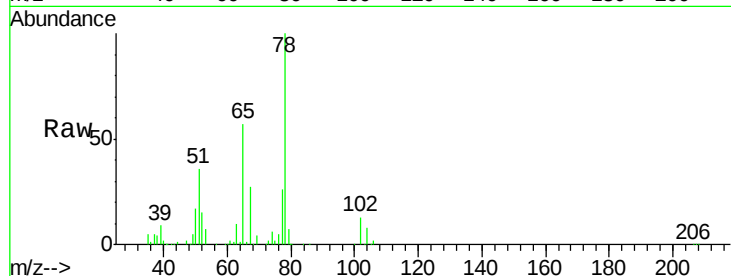
67 49.0 0.0 104.6

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#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

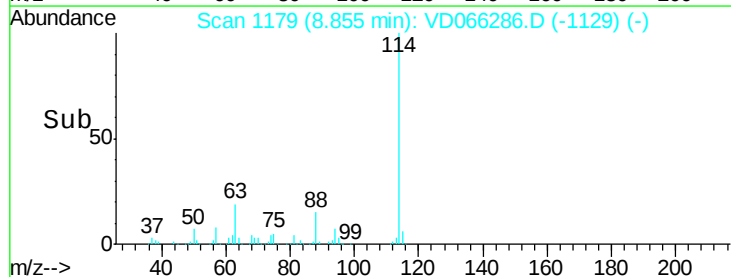
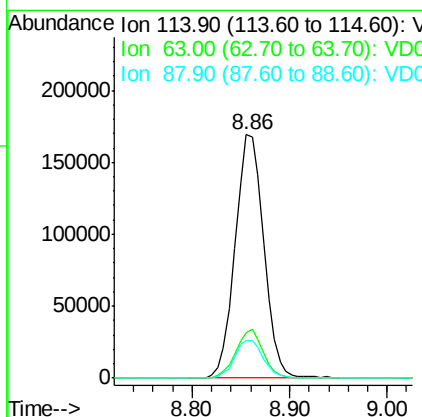
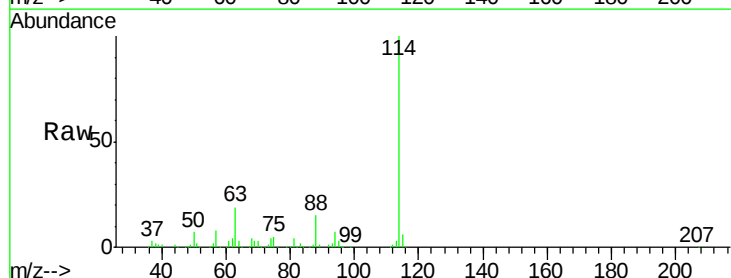
Tgt Ion: 114 Resp: 346848

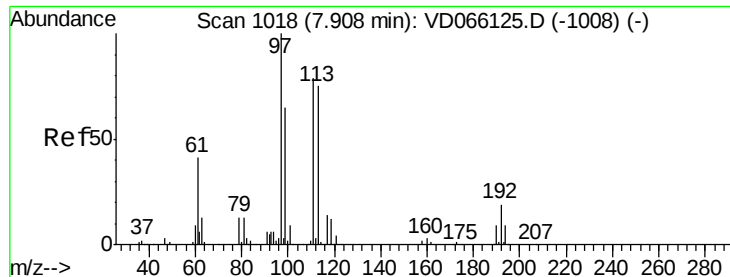
Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

88 15.4 0.0 30.0





#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

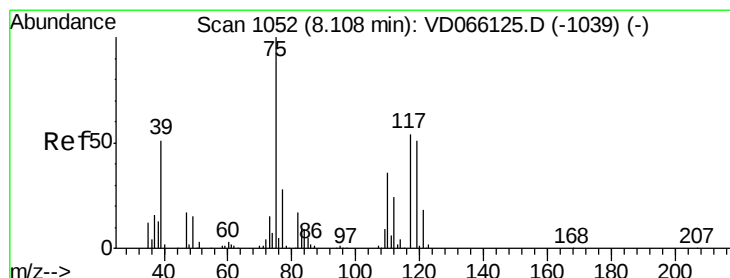
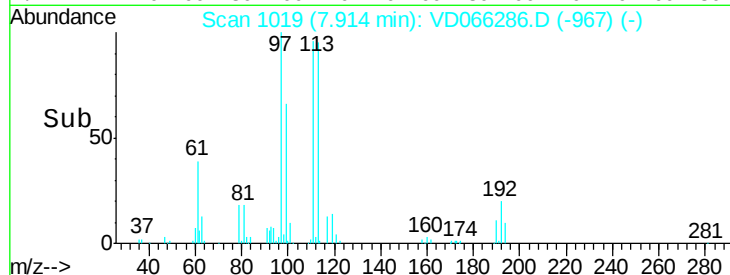
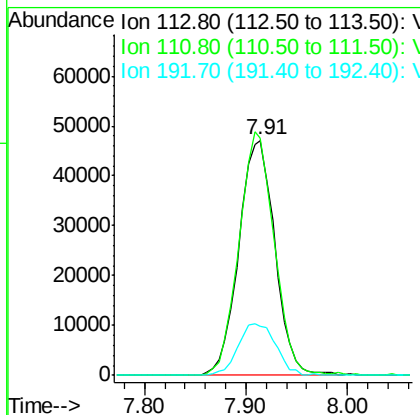
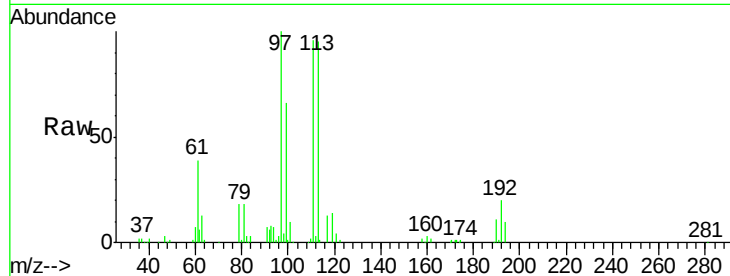
ClientSampleId :

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

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#36

1,1-Dichloropropene

Concen: 46.398 ug/l

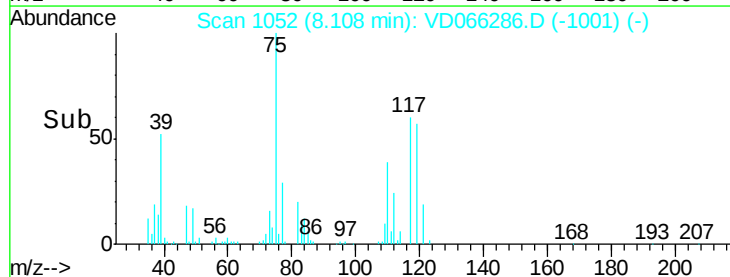
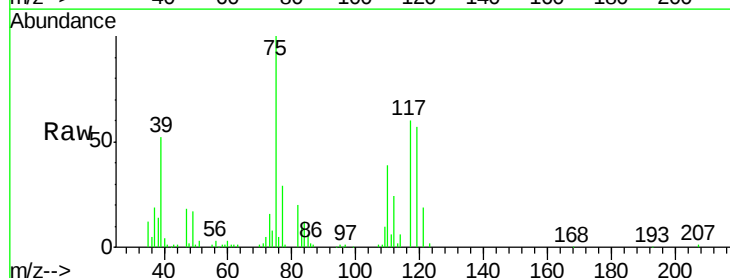
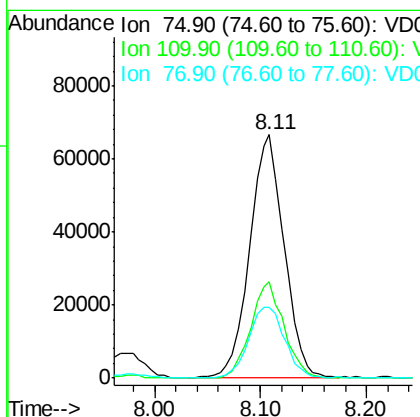
RT: 8.11 min Scan# 1052

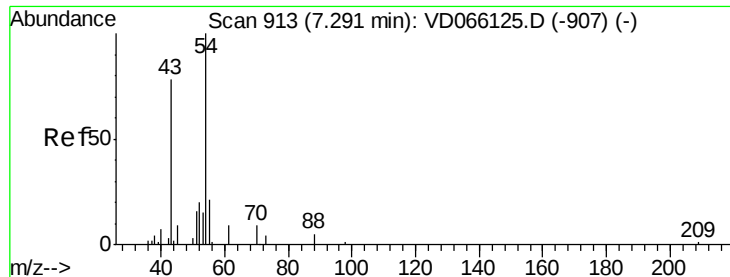
Delta R.T. 0.00 min

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





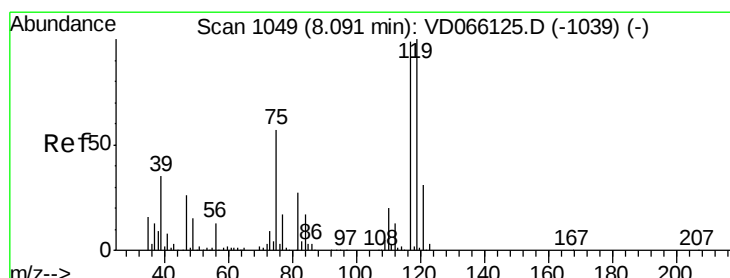
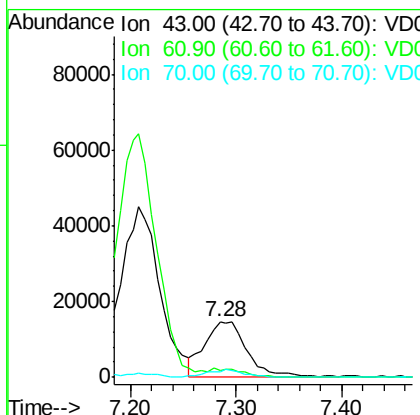
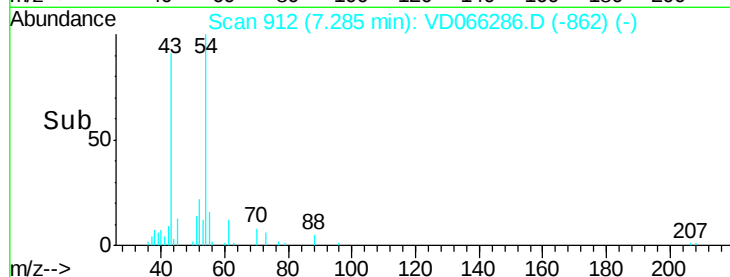
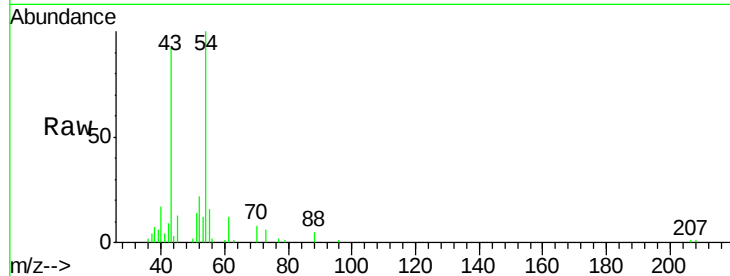
#37
Ethyl Acetate
Concen: 32.121 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

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

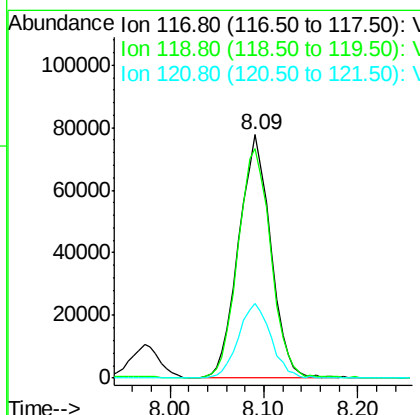
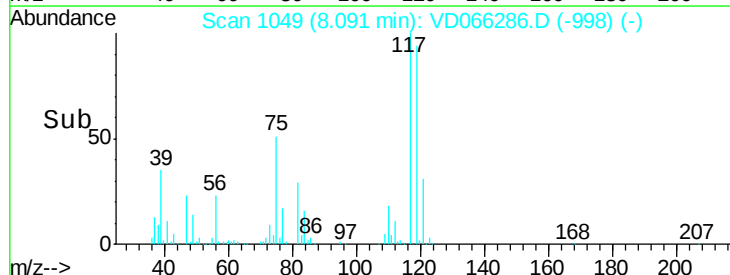
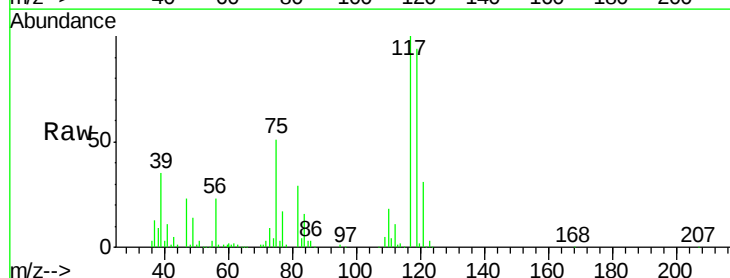
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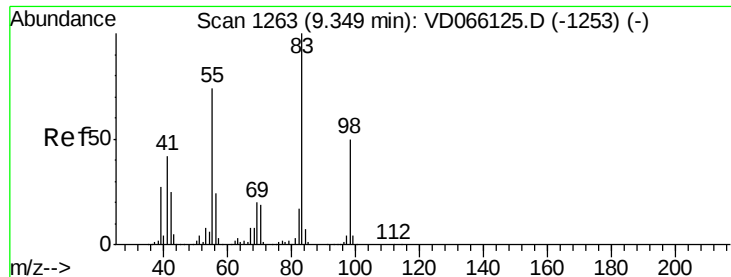
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#38
Carbon Tetrachloride
Concen: 50.752 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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





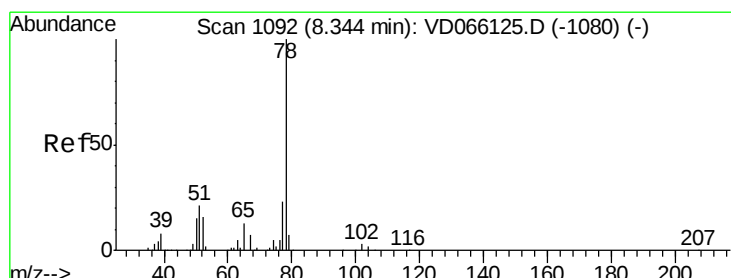
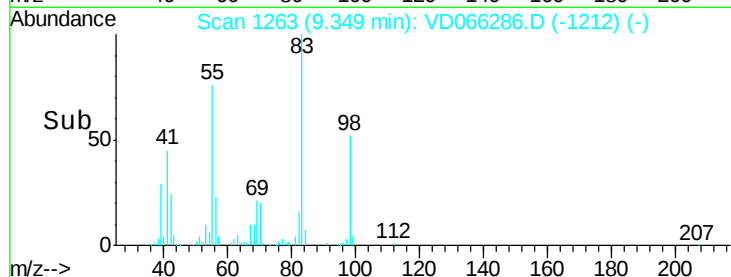
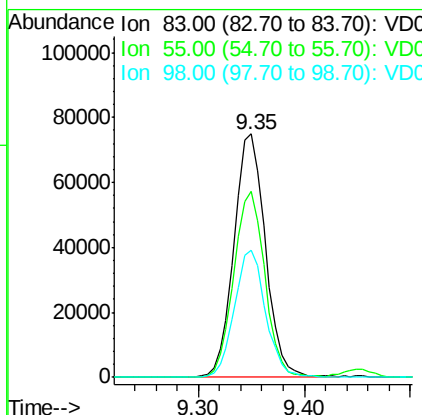
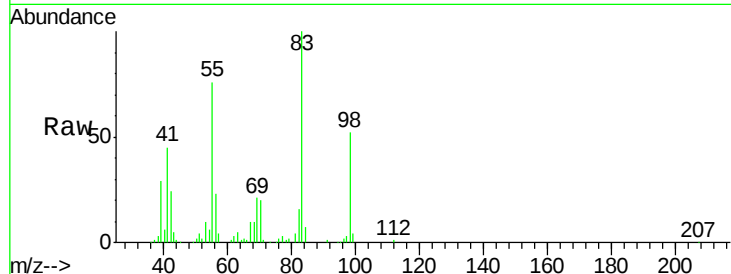
#39
Methvlcvclohexane
Concen: 39.331 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

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

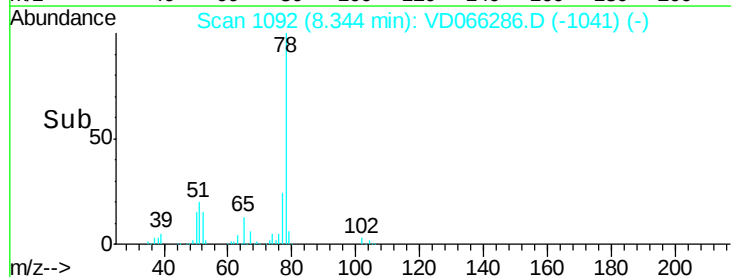
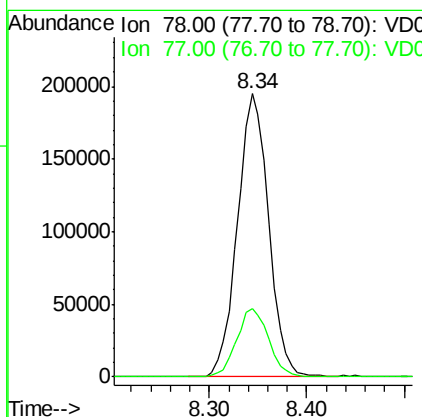
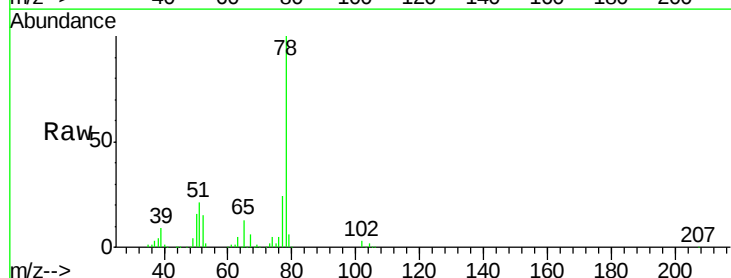
Manual Integrations
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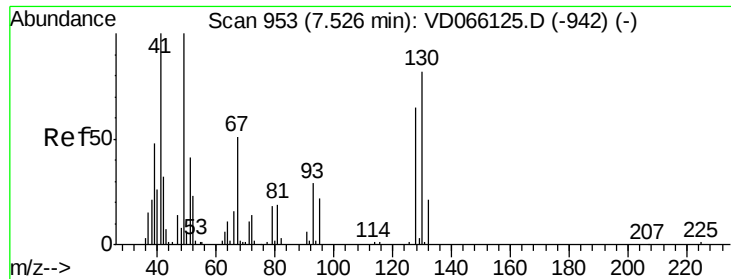
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#40
Benzene
Concen: 48.112 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	27.8





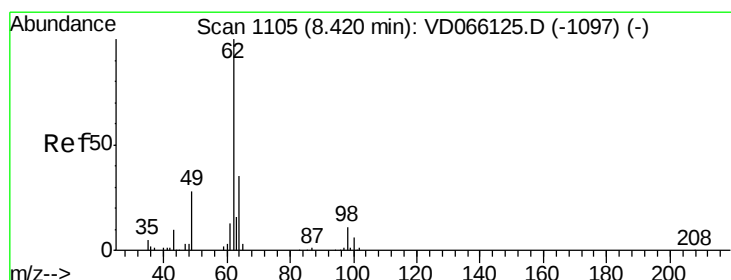
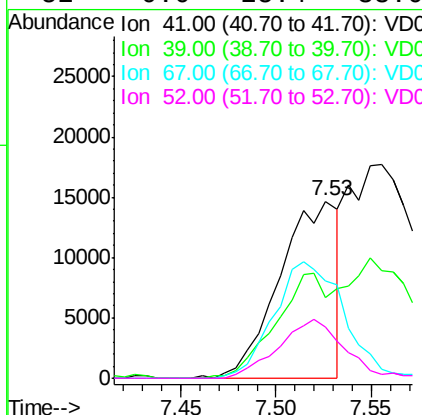
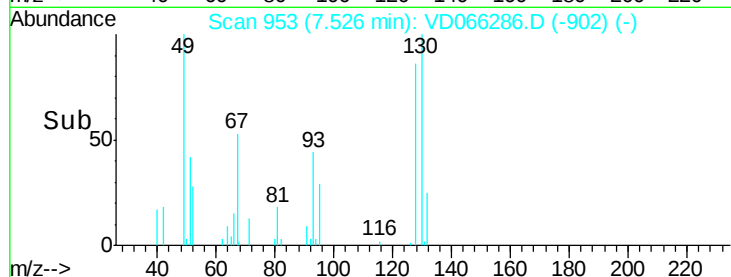
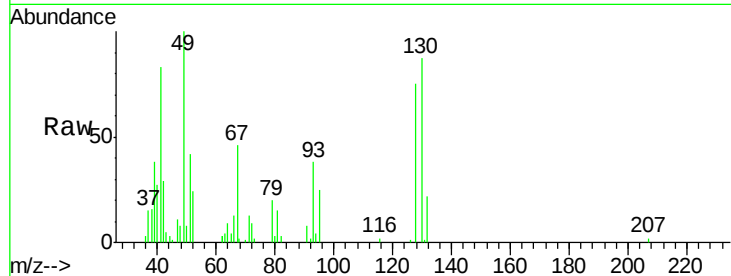
#41
Methacrylonitrile
Concen: 41.508 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.5	47.5	71.3#
67	0.0	59.1	88.7#
52	0.0	25.4	38.0#

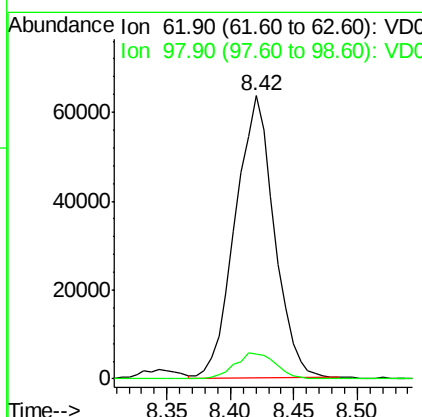
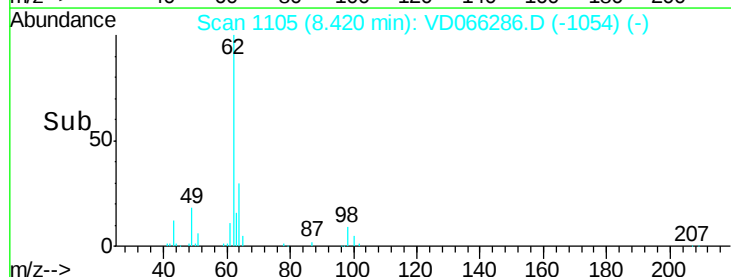
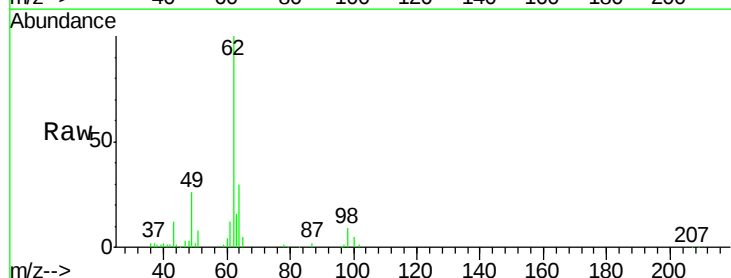
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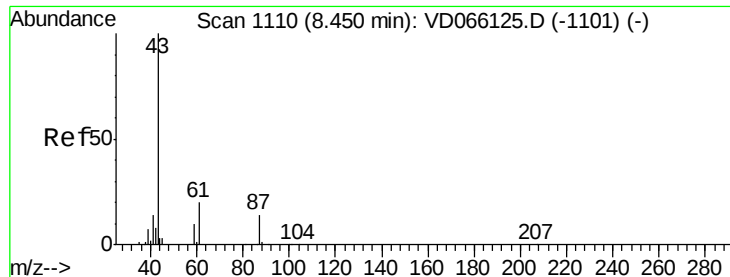
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.125 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion	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

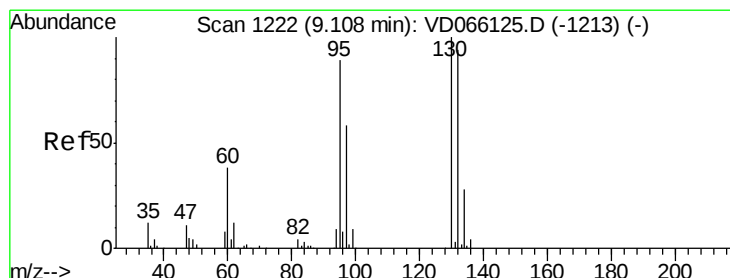
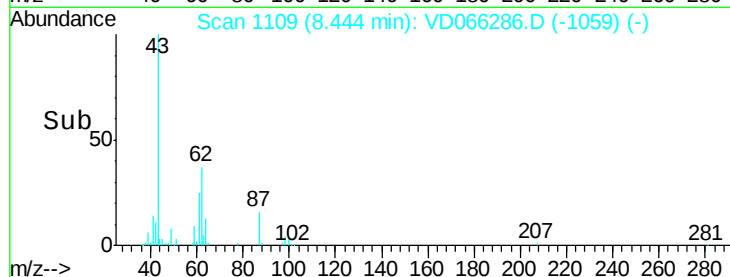
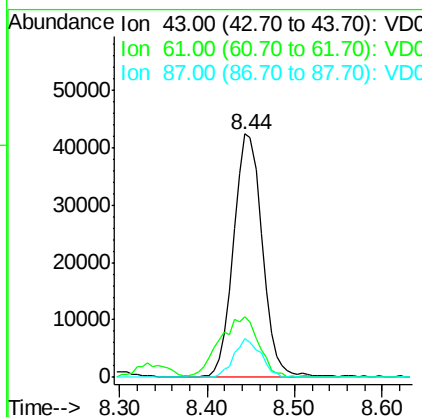
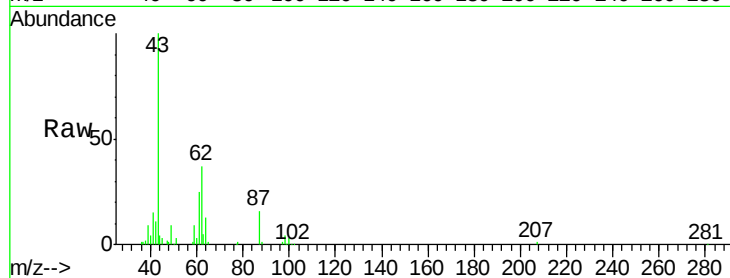
ClientSampleId :

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

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

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#44

Trichloroethene

Concen: 47.588 ug/l

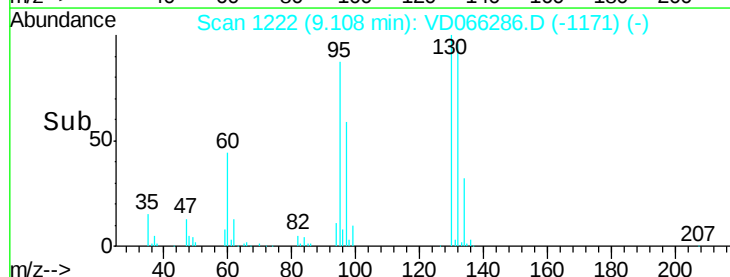
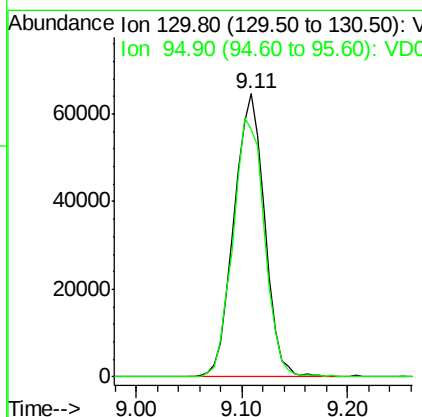
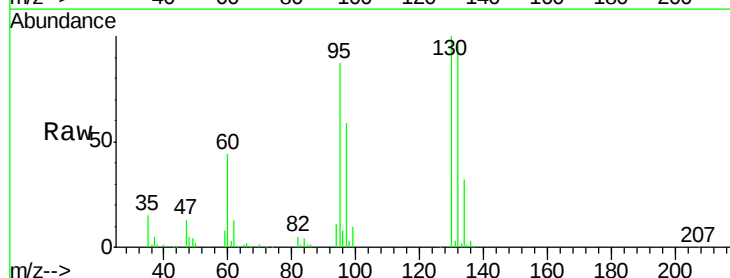
RT: 9.11 min Scan# 1222

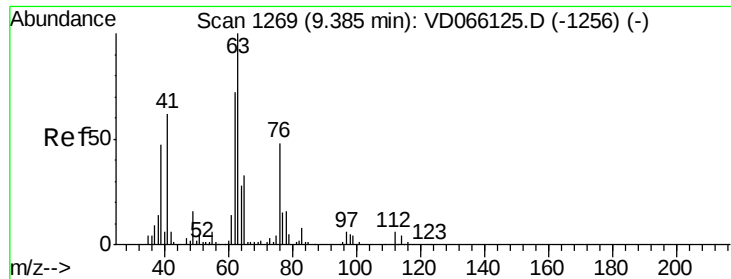
Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

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





#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

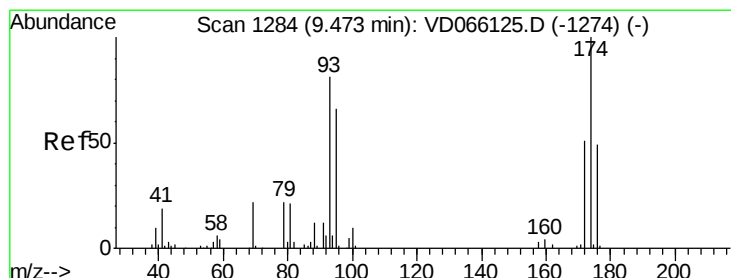
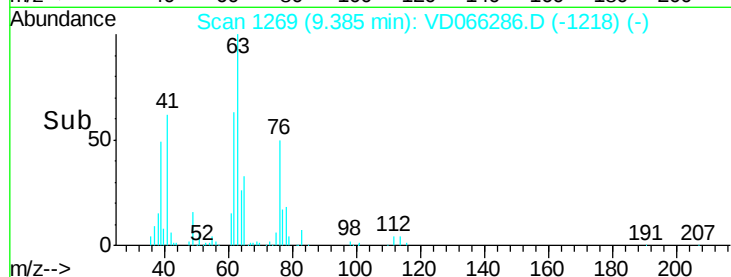
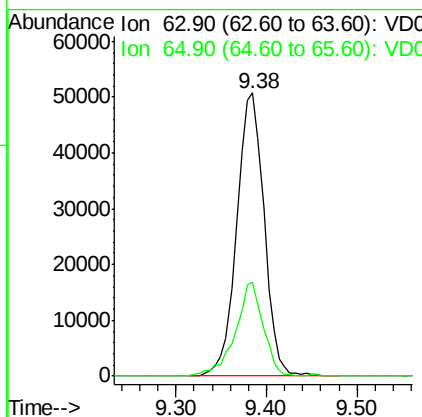
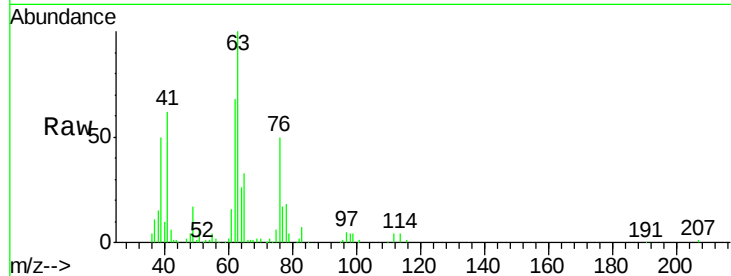
65 33.1 26.5 39.7

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#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

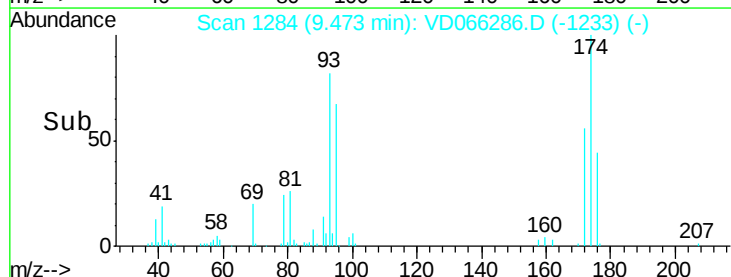
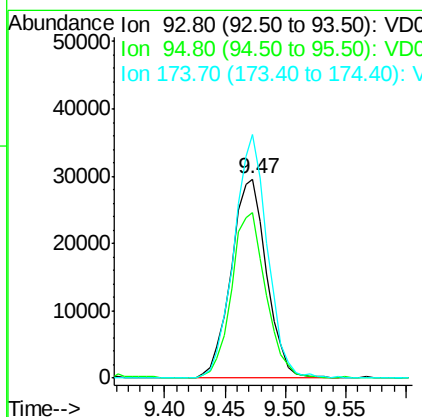
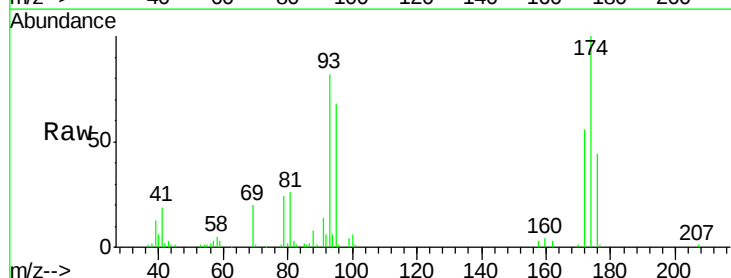
Tgt Ion: 93 Resp: 60465

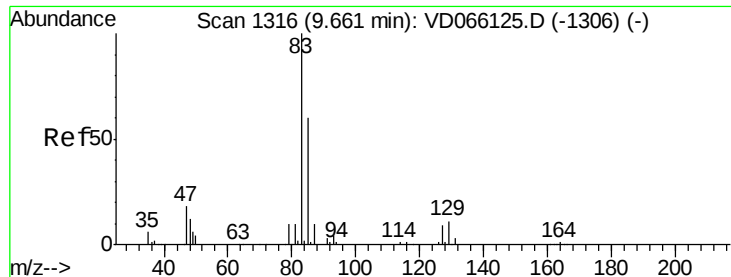
Ion Ratio Lower Upper

93 100

95 80.7 65.8 98.6

174 115.6 92.8 139.2





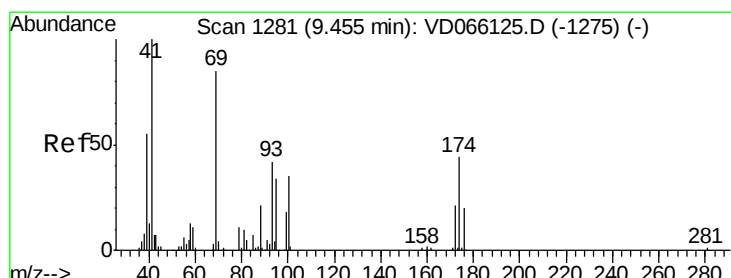
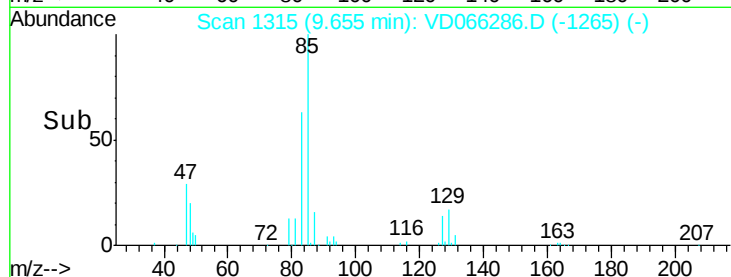
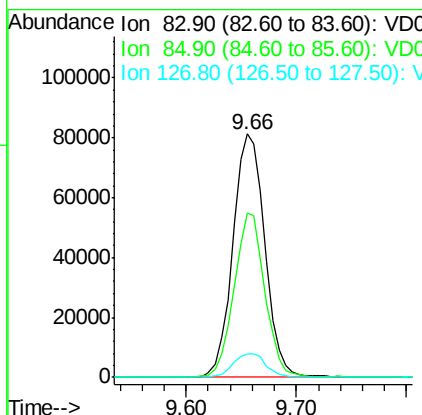
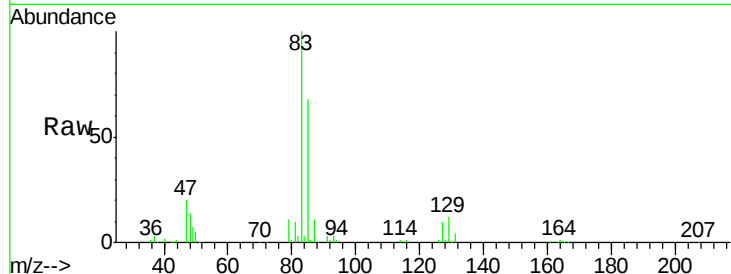
#47
Bromodichloromethane
Concen: 51.258 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100	165017		
85	67.6	48.2	72.4	
127	9.7	7.3	10.9	

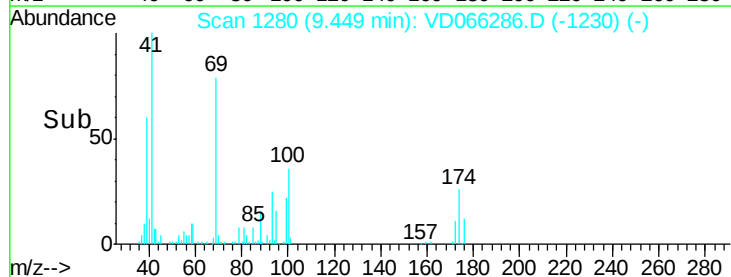
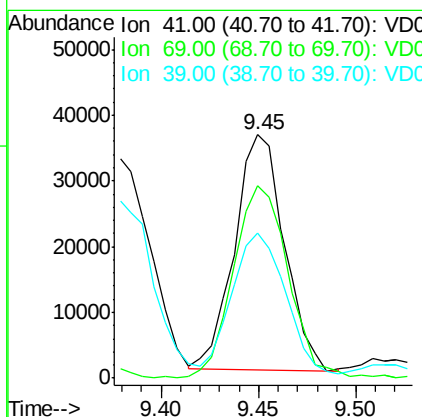
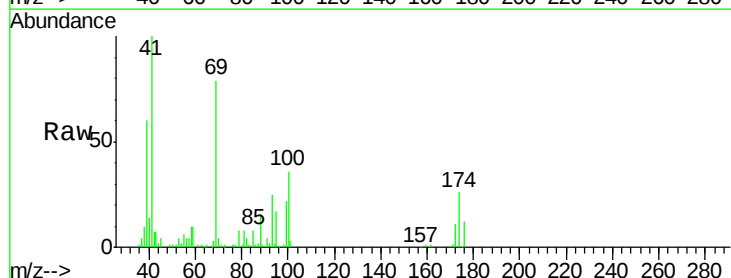
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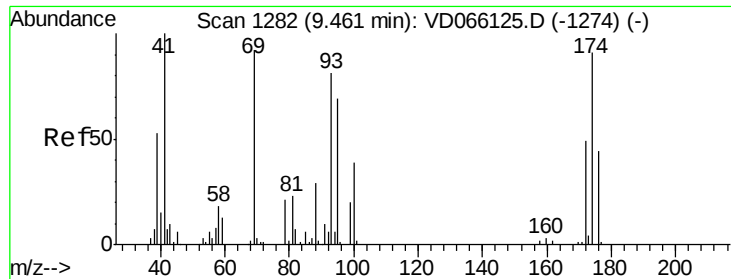
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#48
Methyl methacrylate
Concen: 48.628 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	63179		
69	90.6	63.9	95.9	
39	68.1	42.6	64.0	





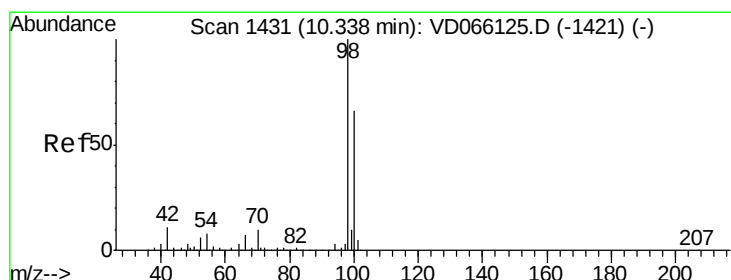
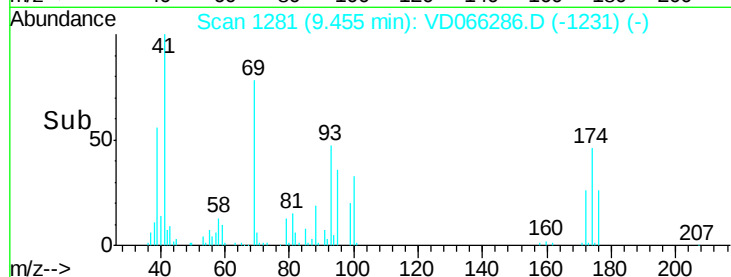
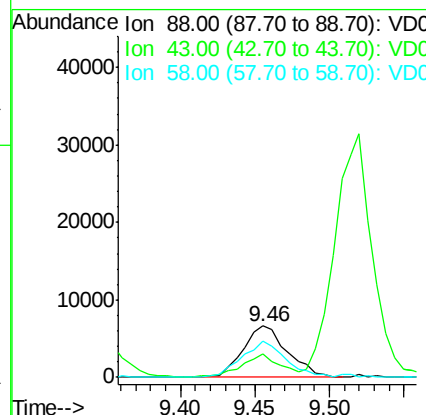
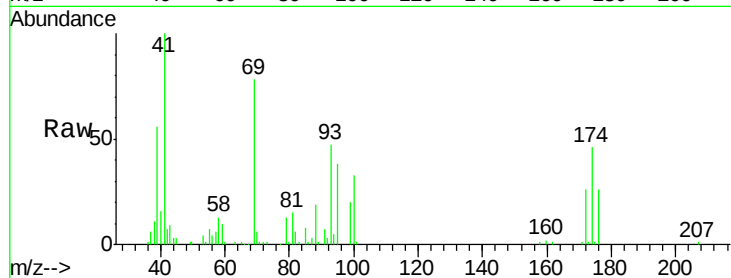
#49
 1,4-Dioxane
 Concen: 870.341 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.8	27.5	41.3
58	69.9	50.2	75.4

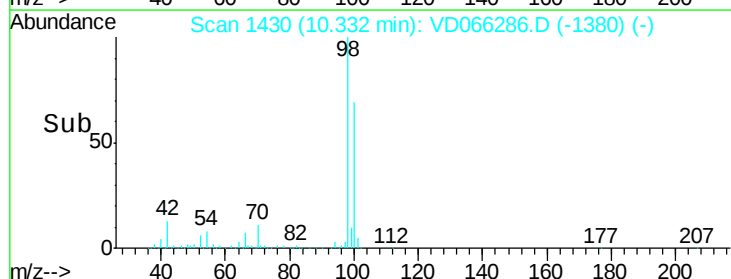
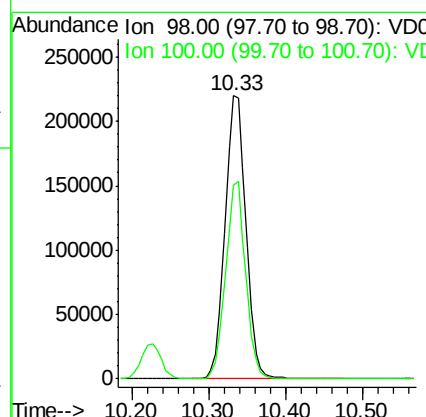
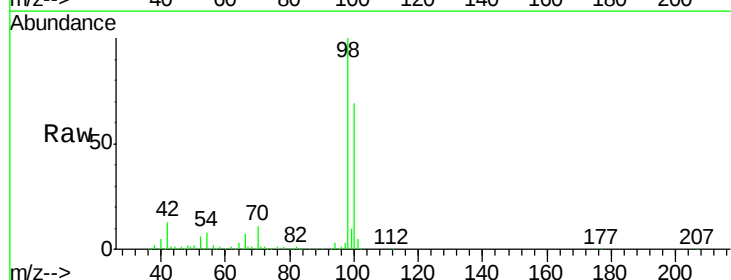
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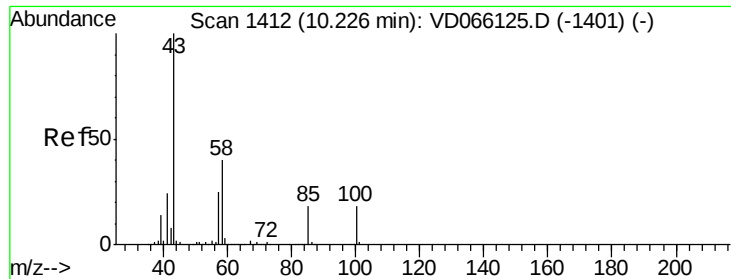
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#50
 Toluene-d8
 Concen: 51.012 ug/l
 RT: 10.33 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.6	78.8





#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

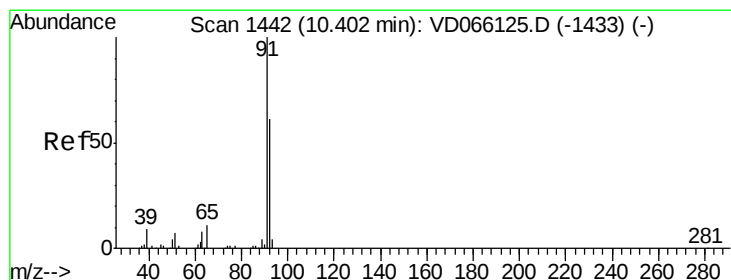
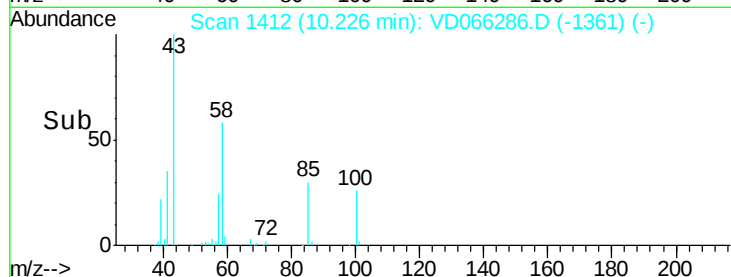
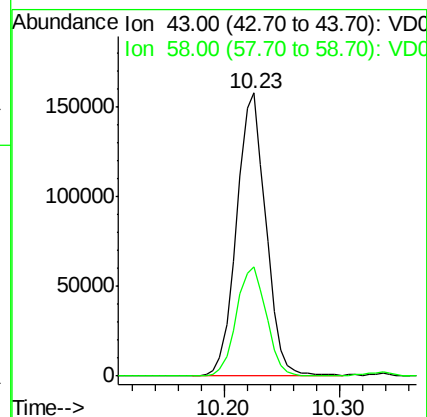
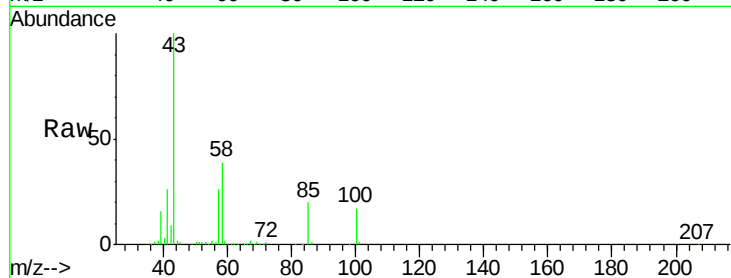
58 39.3 31.1 46.7

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#52

Toluene

Concen: 49.180 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066286.D

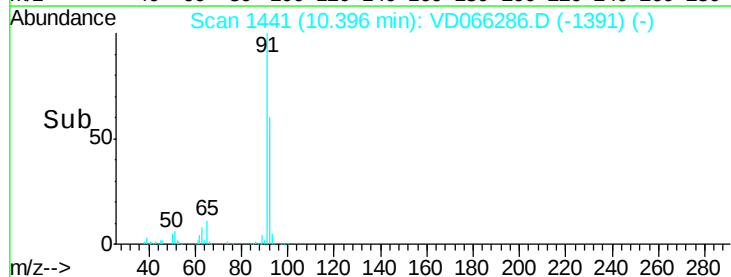
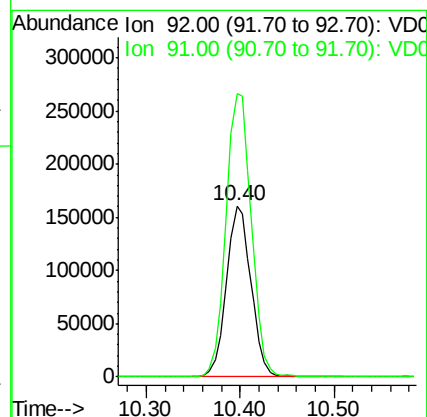
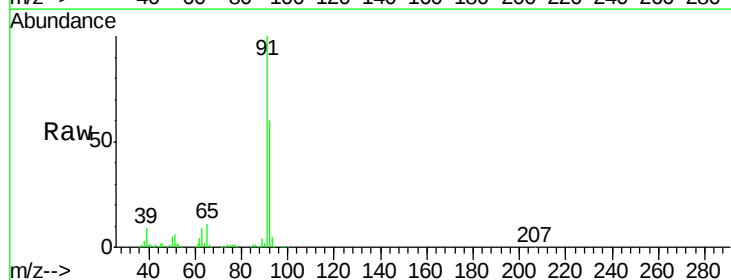
Acq: 18 Aug 2020 18:58

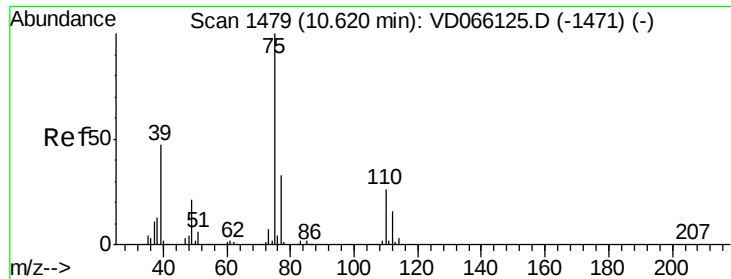
Tgt Ion: 92 Resp: 292597

Ion Ratio Lower Upper

92 100

91 170.9 135.2 202.8





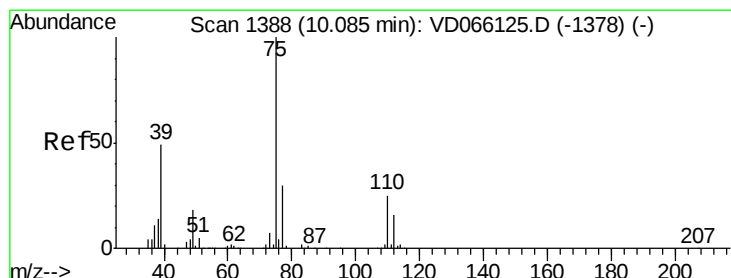
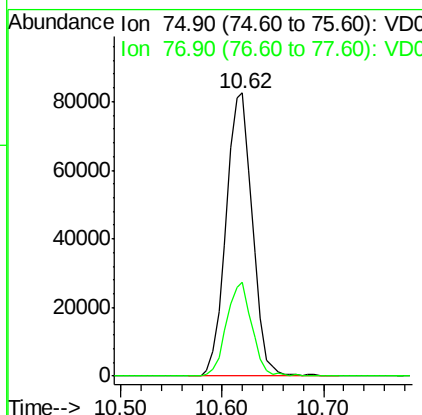
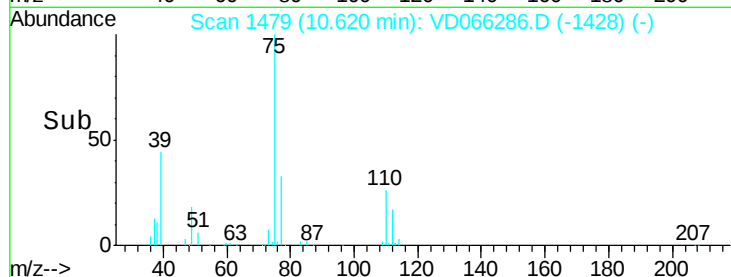
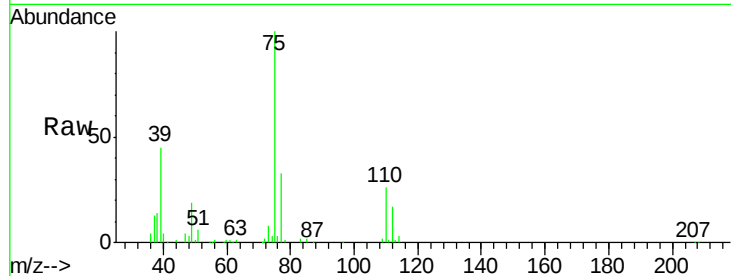
#53
 t-1,3-Dichloropropene
 Concen: 48.600 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

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

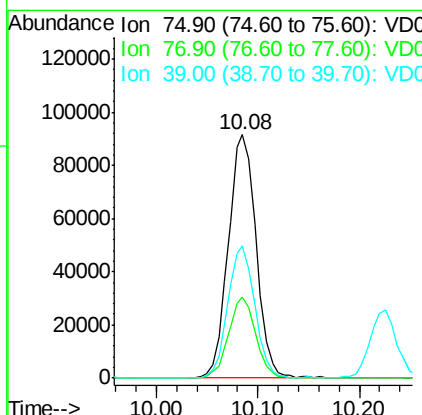
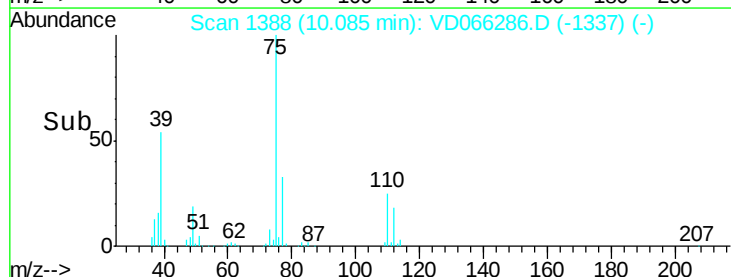
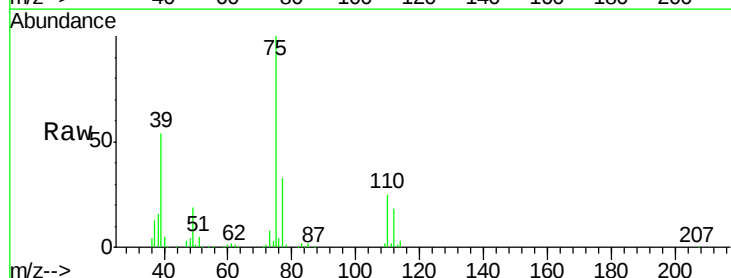
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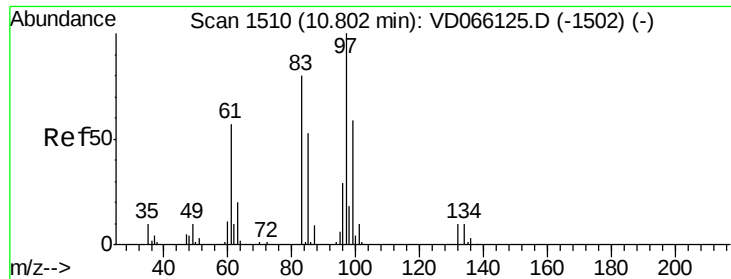
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 48.642 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

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





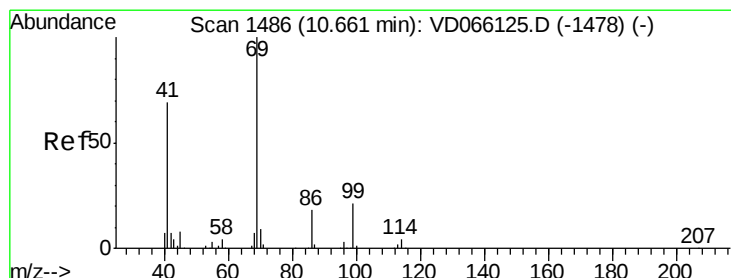
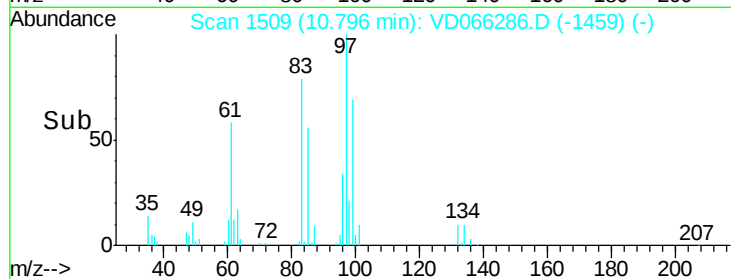
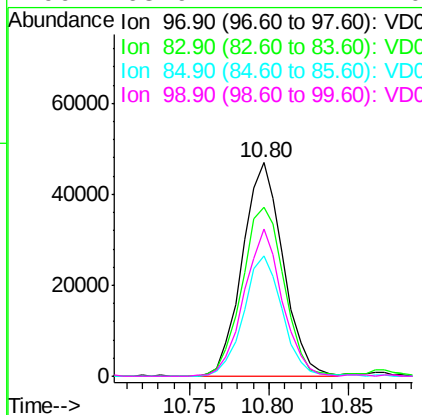
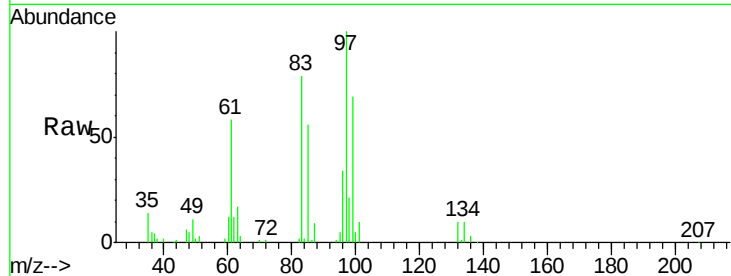
#55
 1,1,2-Trichloroethane
 Concen: 47.766 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

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

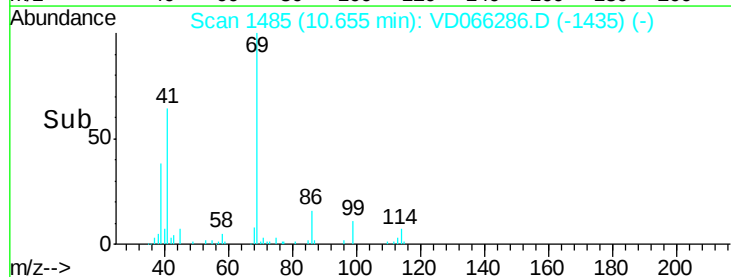
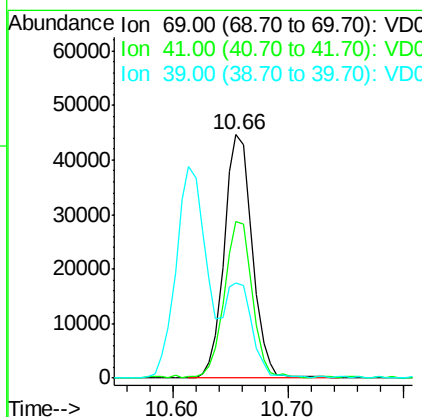
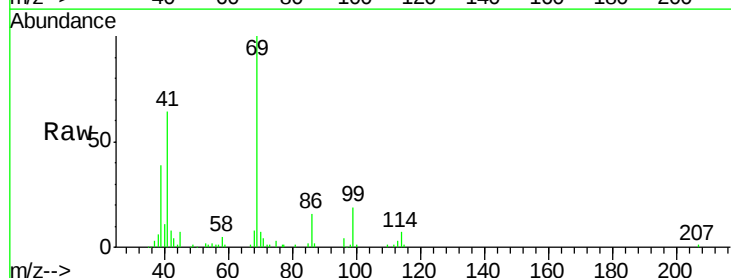
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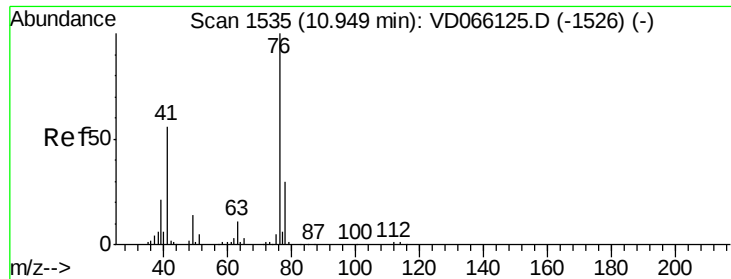
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#56
 Ethyl methacrylate
 Concen: 35.772 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

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

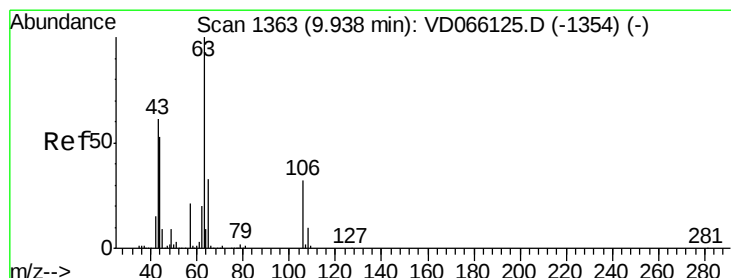
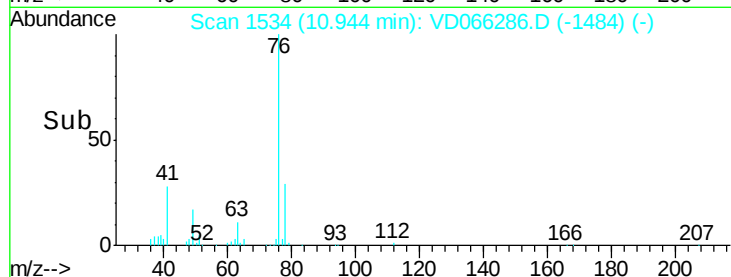
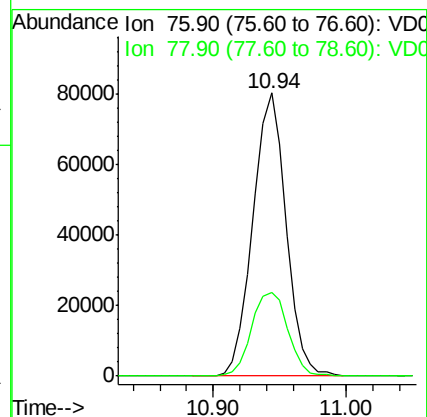
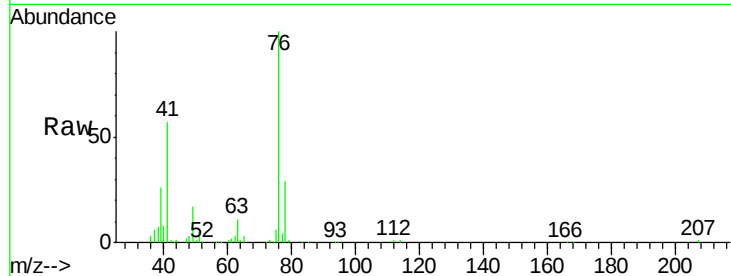
78 32.5 25.5 38.3

Manual Integrations

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#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

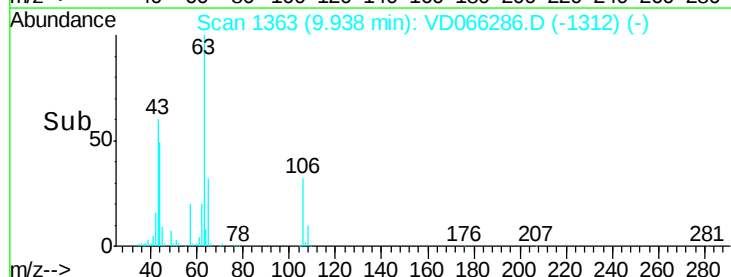
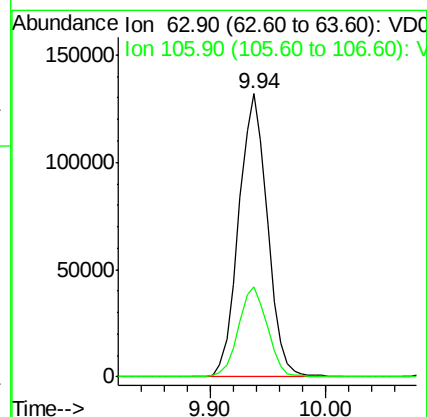
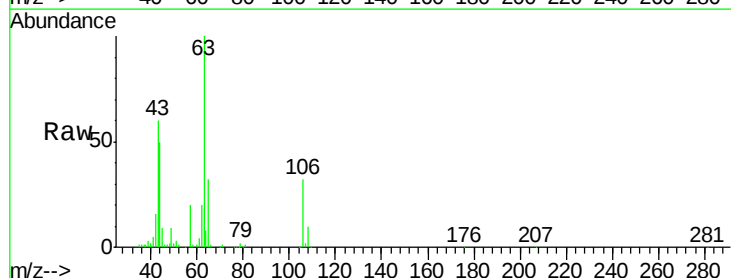
Acq: 18 Aug 2020 18:58

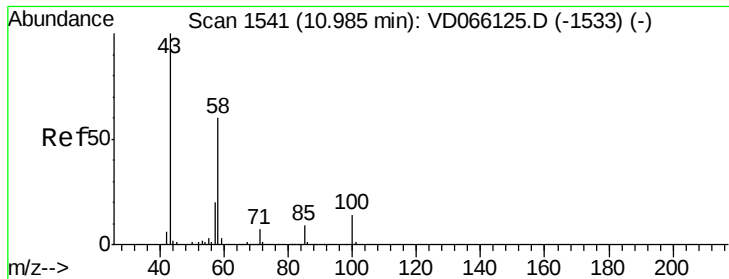
Tgt Ion: 63 Resp: 227624

Ion Ratio Lower Upper

63 100

106 31.9 25.3 37.9





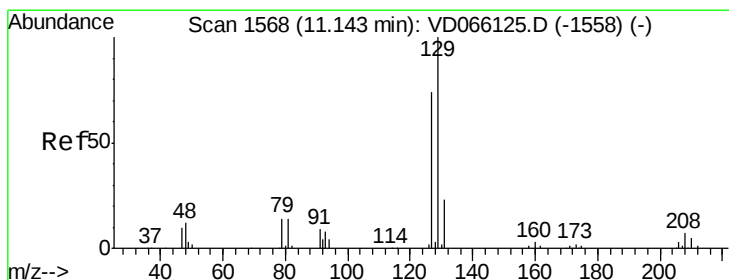
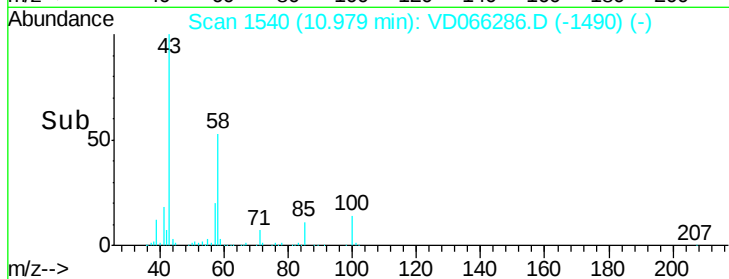
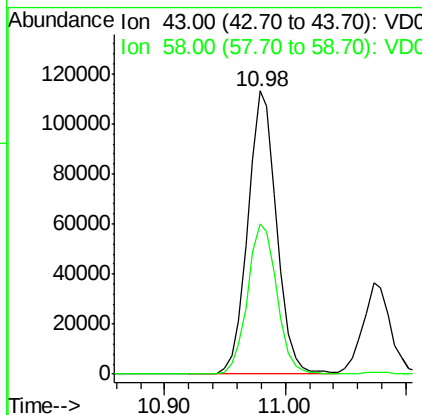
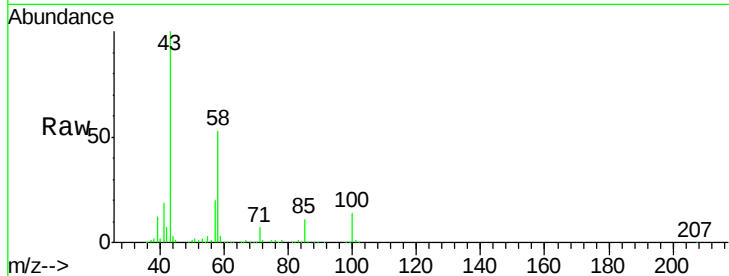
#59
2-Hexanone
Concen: 204.401 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

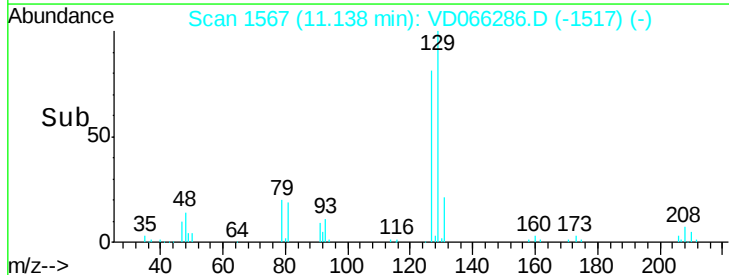
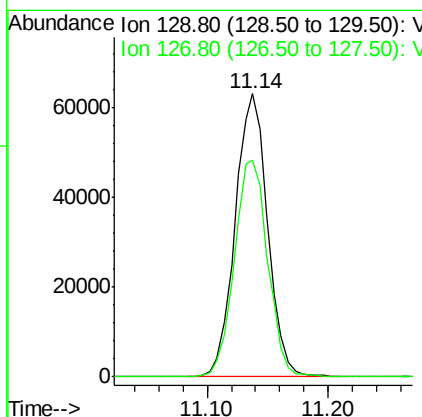
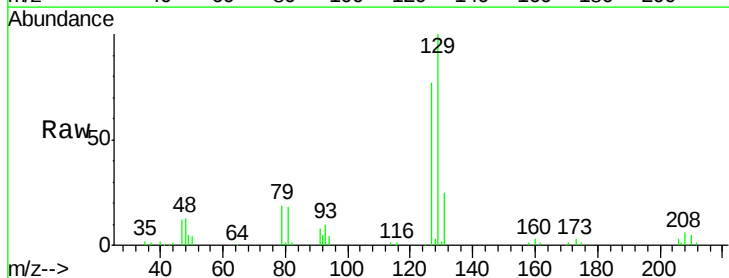
Manual Integrations
APPROVED

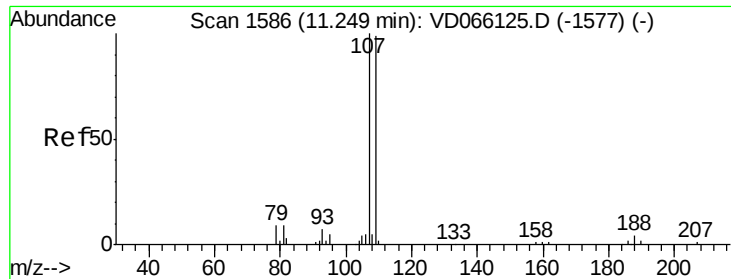
MMDadoda
8/19/2020 5:23:27 PM



#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

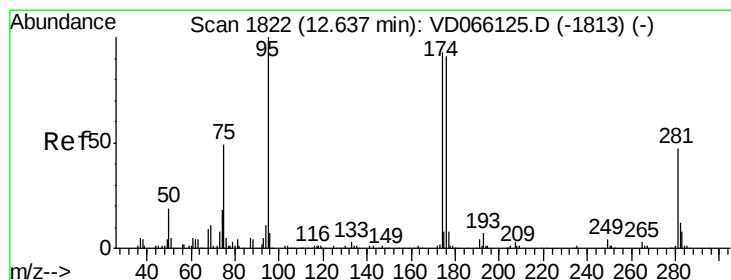
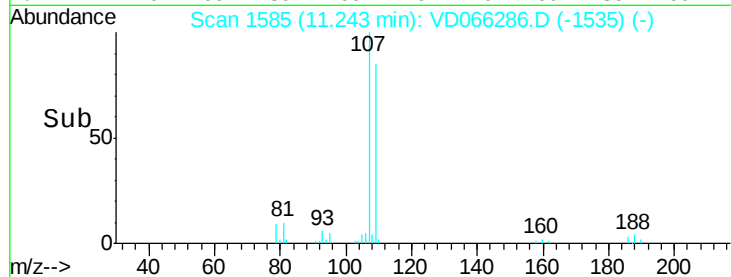
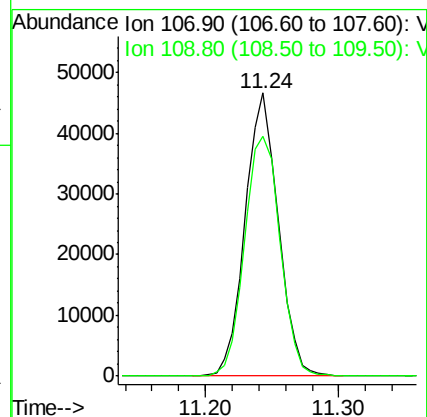
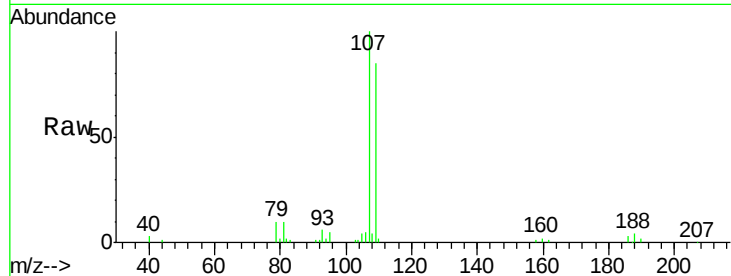
Ion Ratio Lower Upper

107 100

109 91.0 76.5 114.7

Manual Integrations
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#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

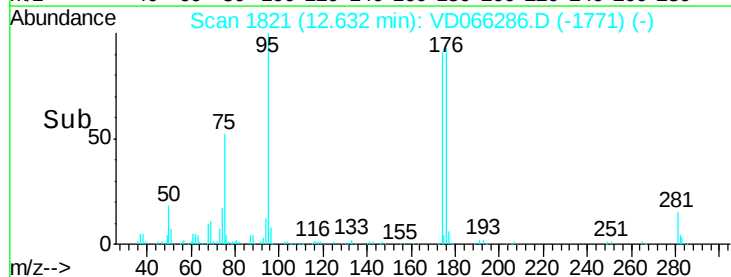
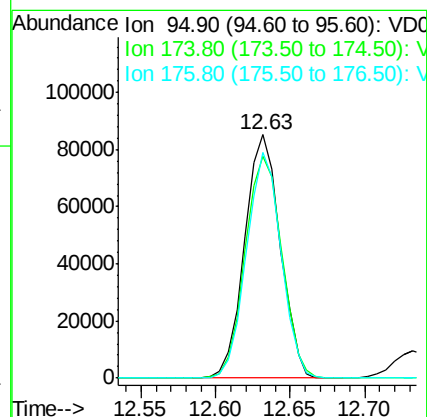
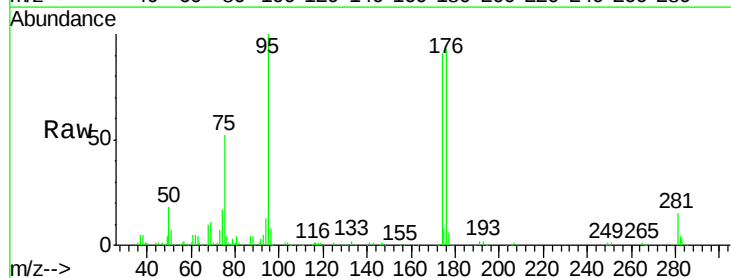
Tgt Ion: 95 Resp: 140309

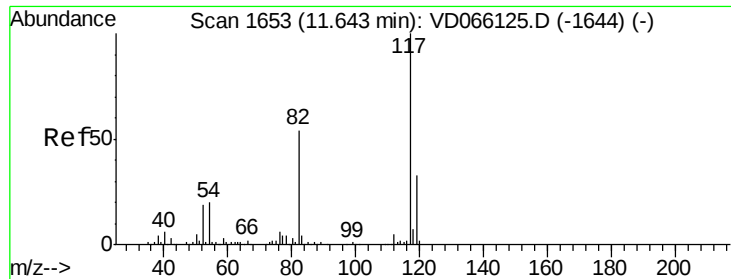
Ion Ratio Lower Upper

95 100

174 93.9 0.0 180.8

176 90.2 0.0 181.2





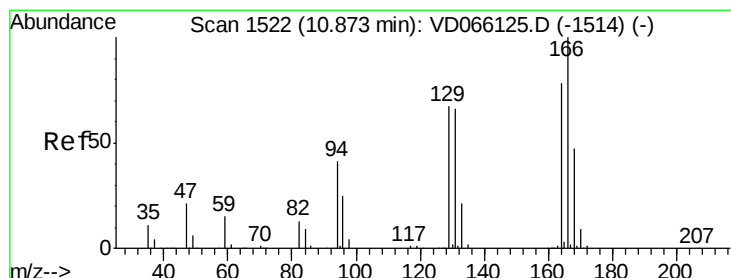
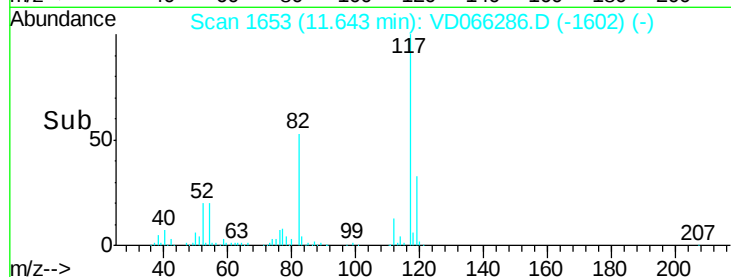
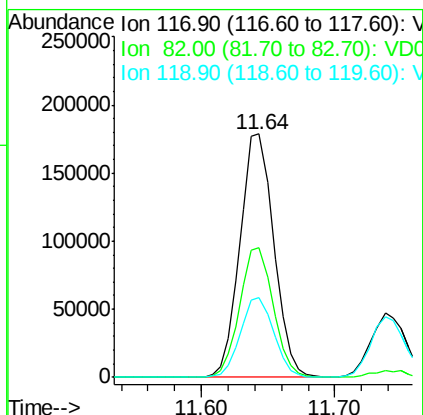
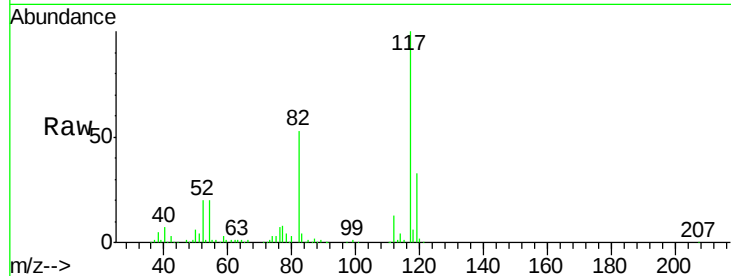
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

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

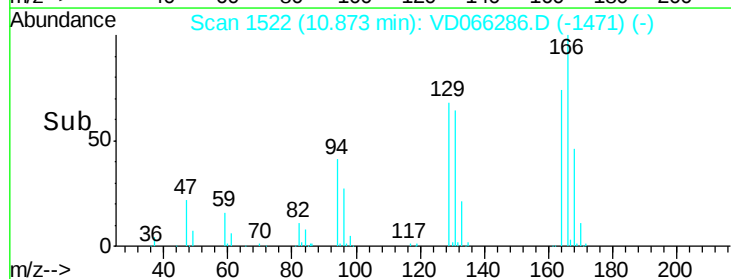
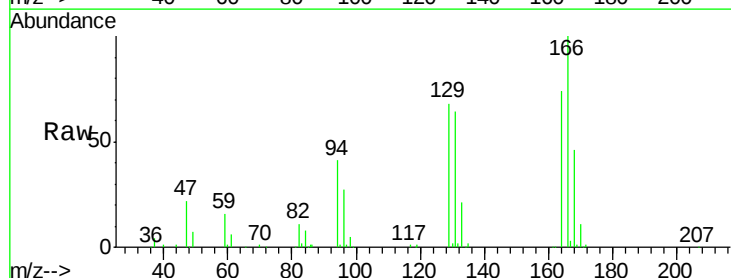
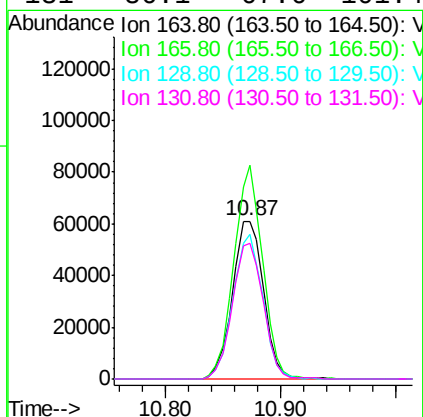
Manual Integrations
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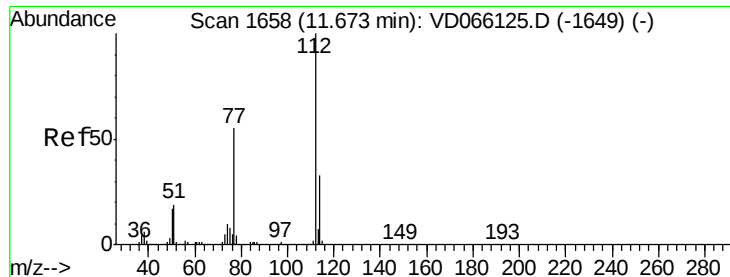
MMDadoda
8/19/2020 5:23:27 PM



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





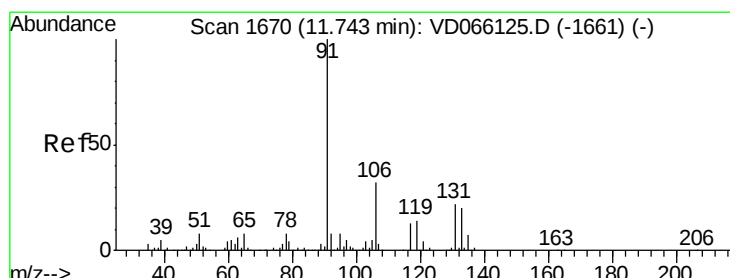
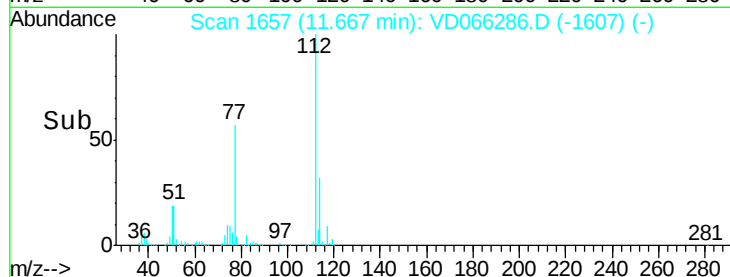
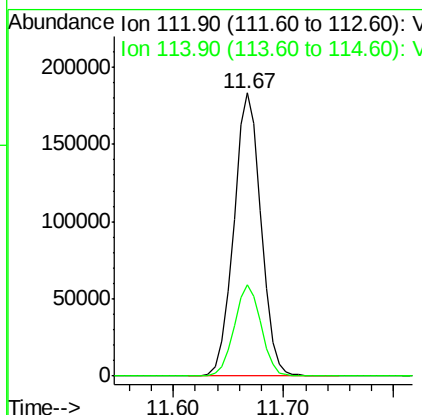
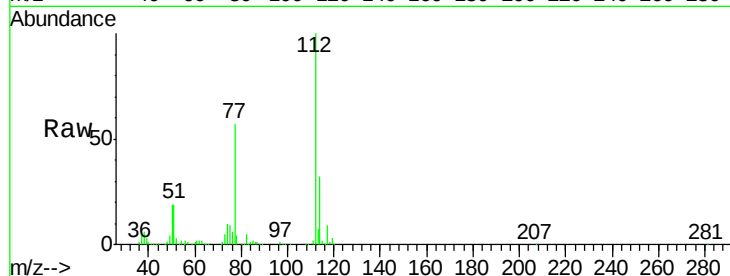
#65
Chlorobenzene
Concen: 49.467 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

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

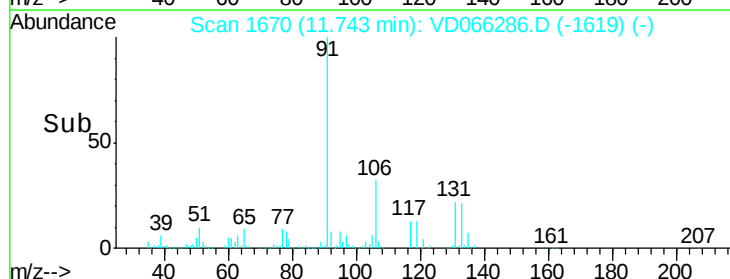
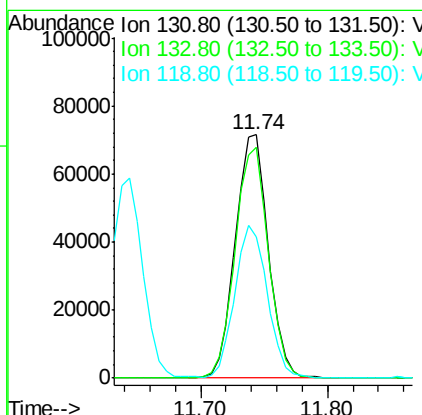
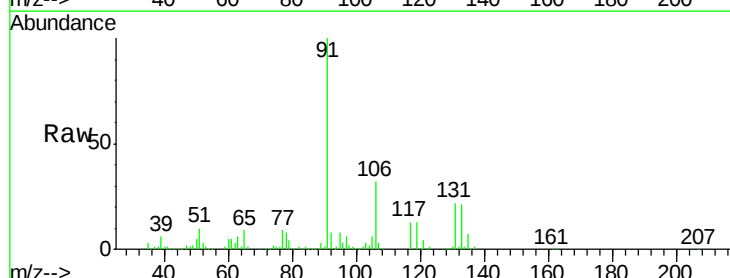
Manual Integrations
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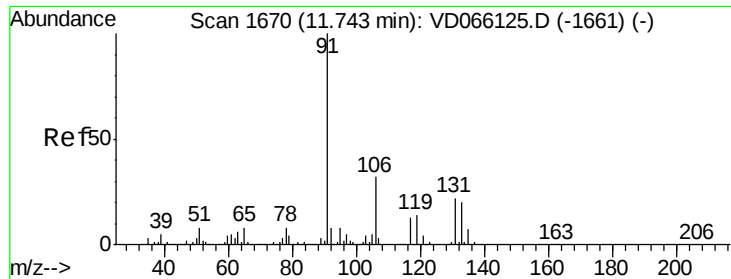
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.629 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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





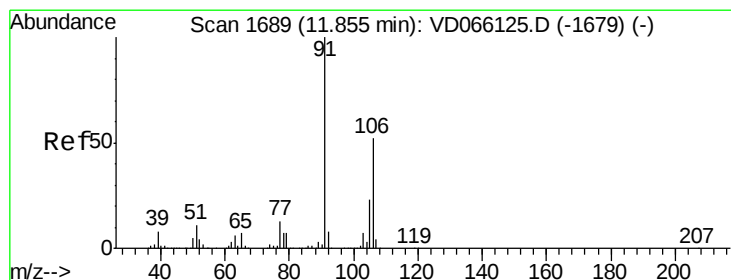
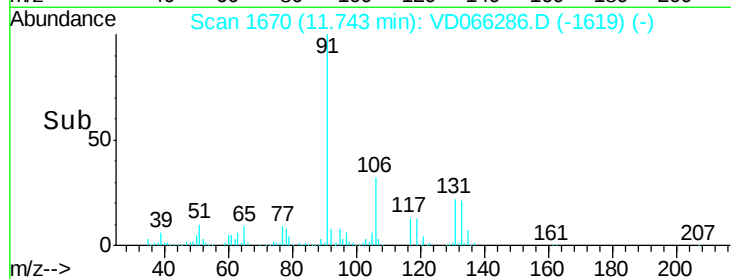
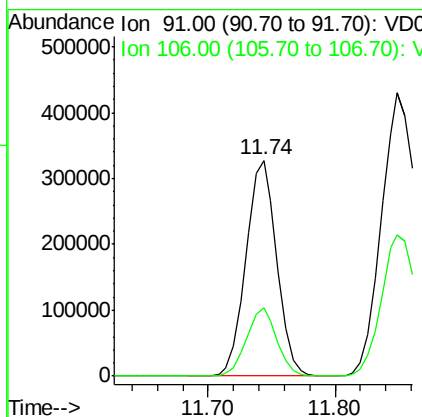
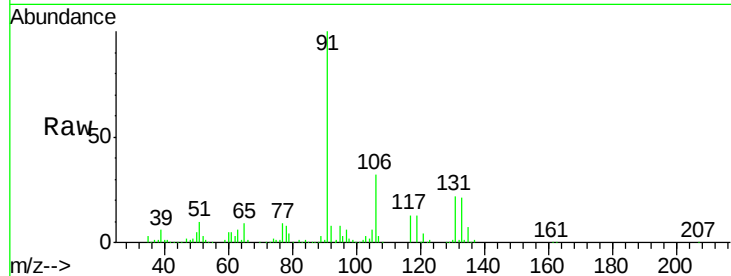
#67
Ethyl Benzene
Concen: 49.985 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

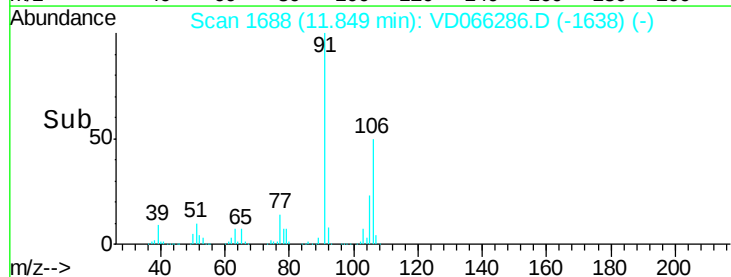
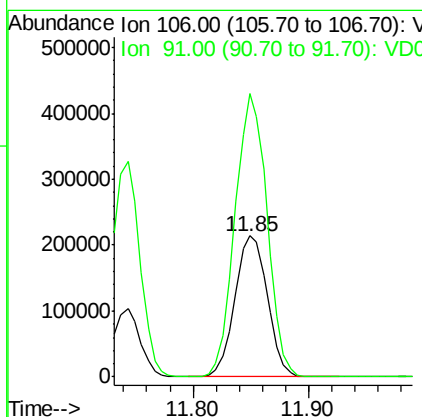
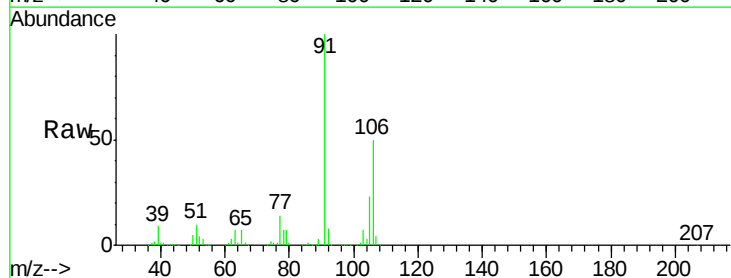
Manual Integrations
APPROVED

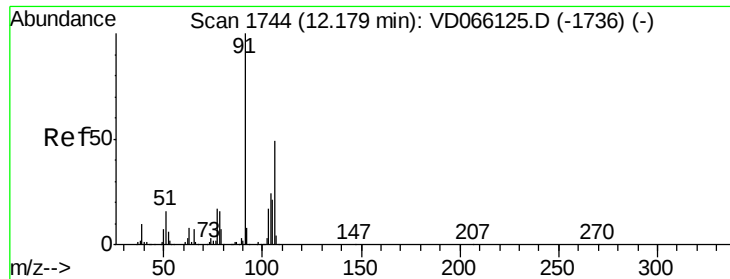
MMDadoda
8/19/2020 5:23:27 PM



#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





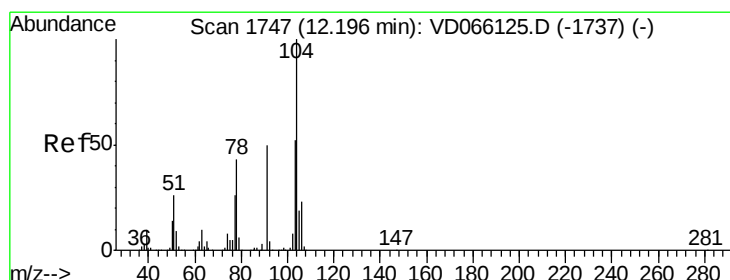
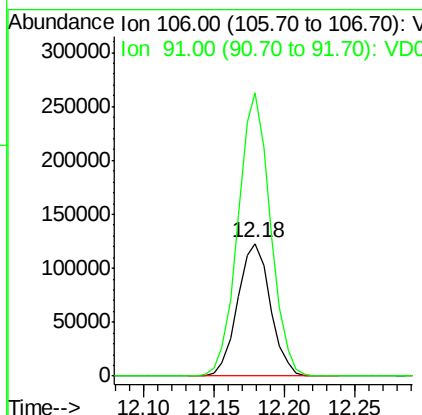
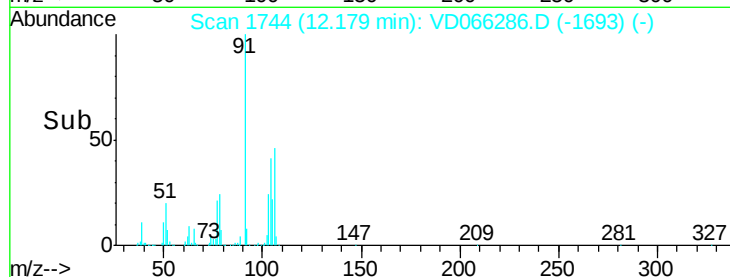
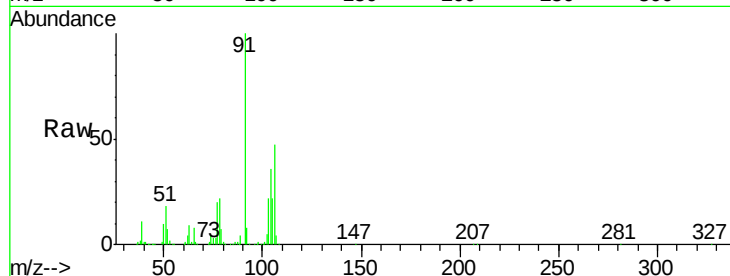
#69
o-Xylene
Concen: 51.235 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

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

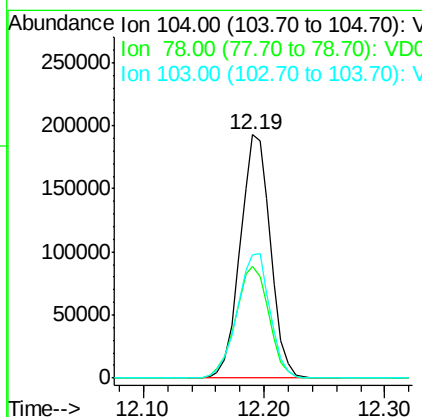
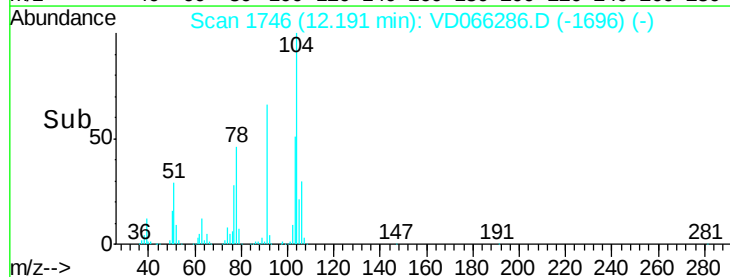
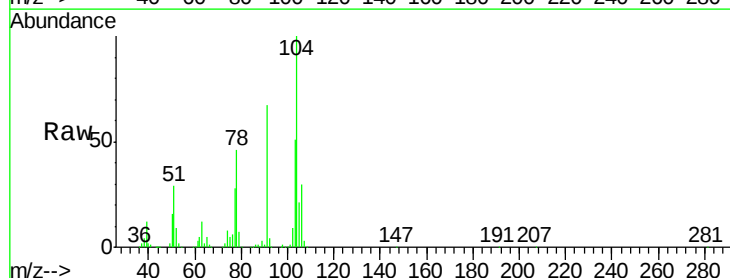
Manual Integrations
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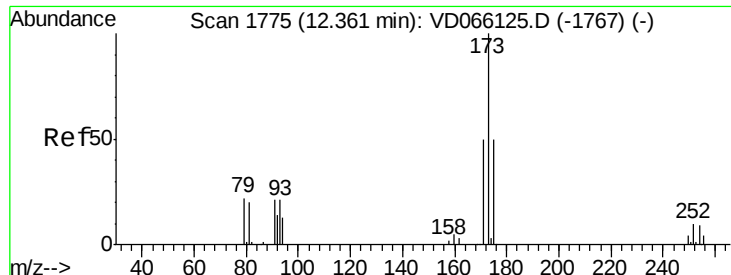
MMDadoda
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#70
Styrene
Concen: 49.017 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	335506		
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

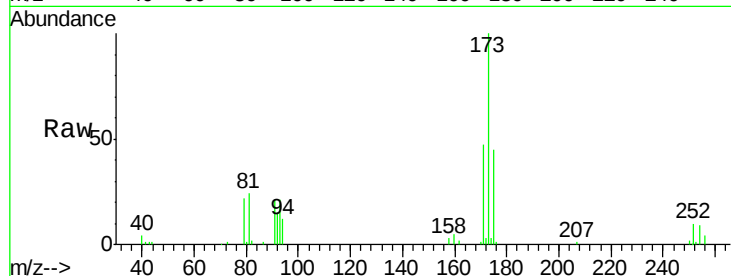
254 0.0 0.2 0.2#

Manual Integrations

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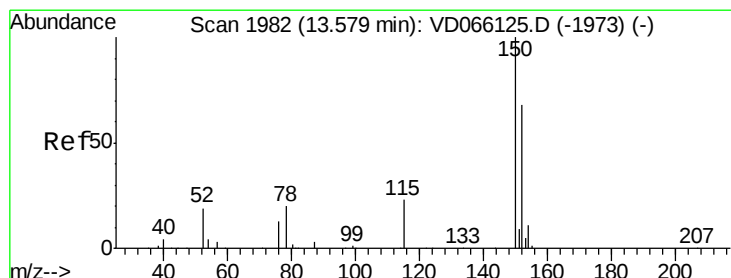
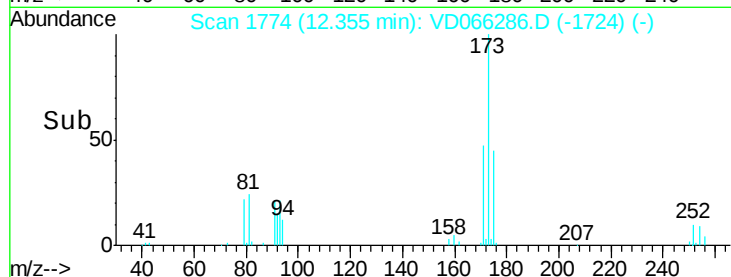
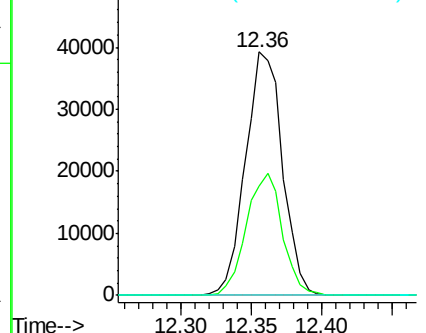
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

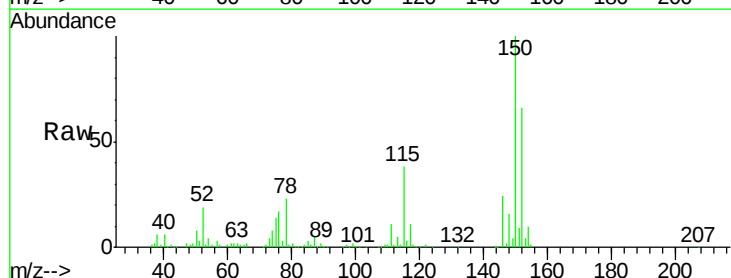
Tgt Ion:152 Resp: 151277

Ion Ratio Lower Upper

152 100

115 55.9 28.0 83.9

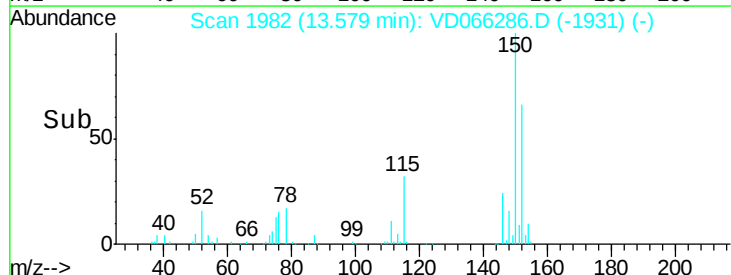
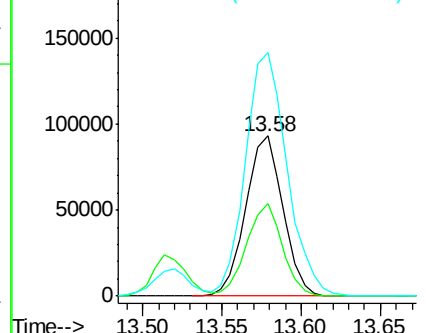
150 171.0 0.0 346.4

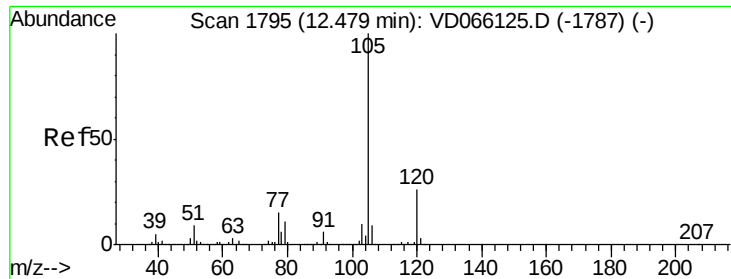


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





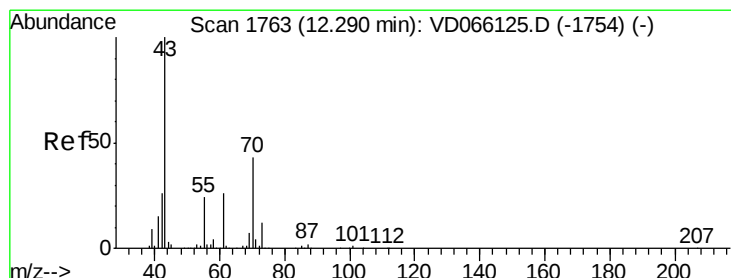
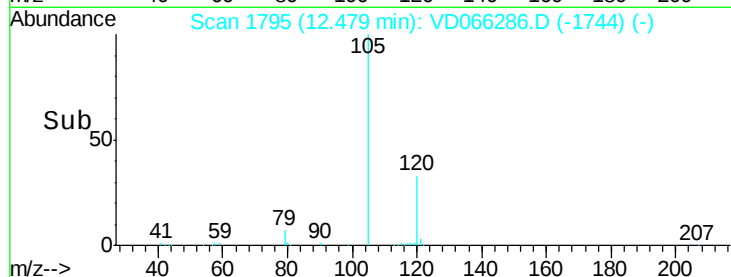
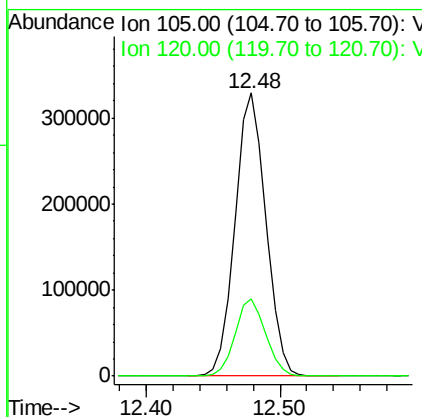
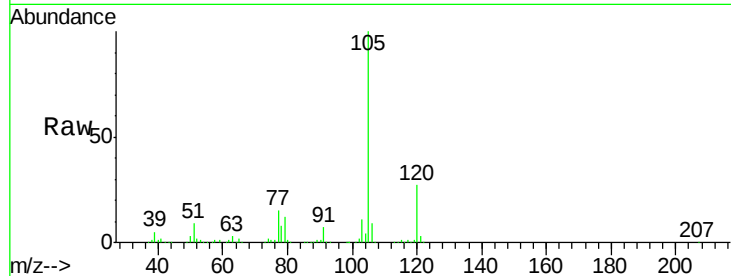
#73
Isopropylbenzene
Concen: 52.204 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.3	39.9

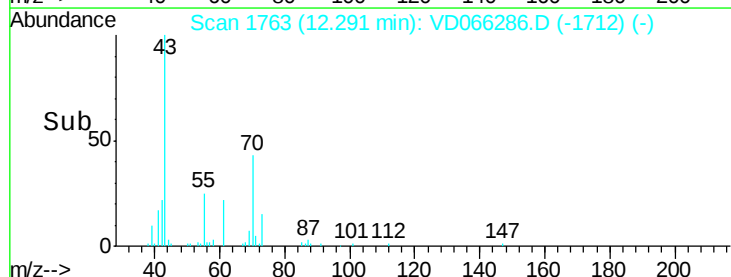
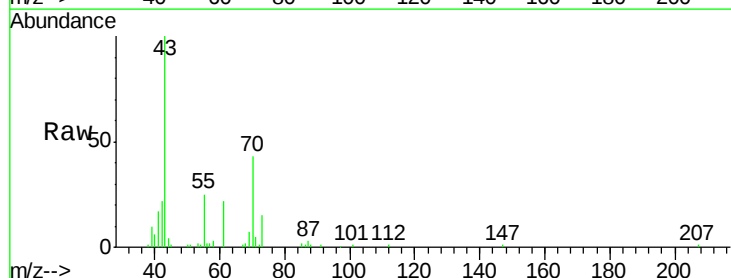
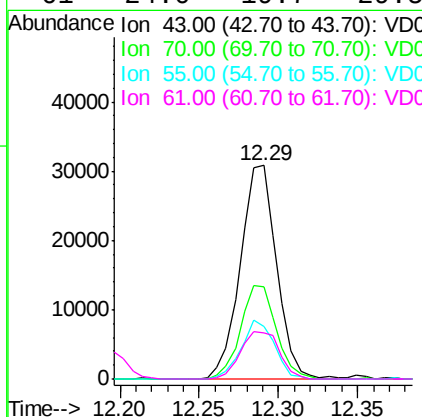
Manual Integrations
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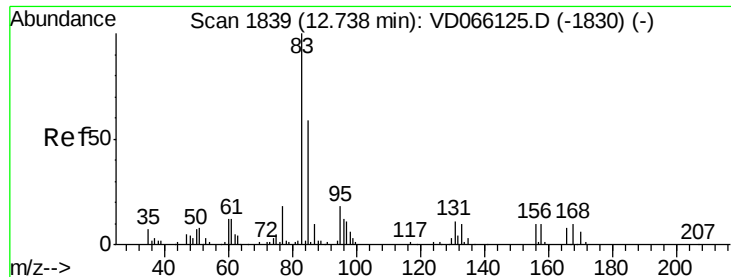
MMDadoda
8/19/2020 5:23:27 PM



#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	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

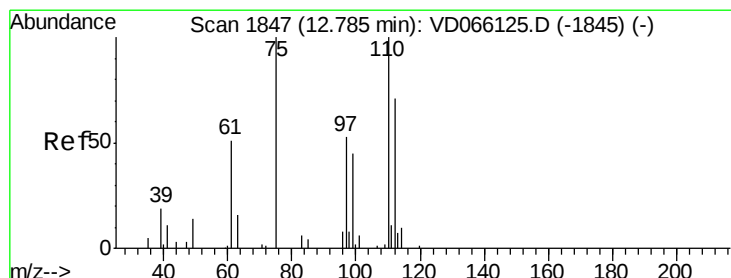
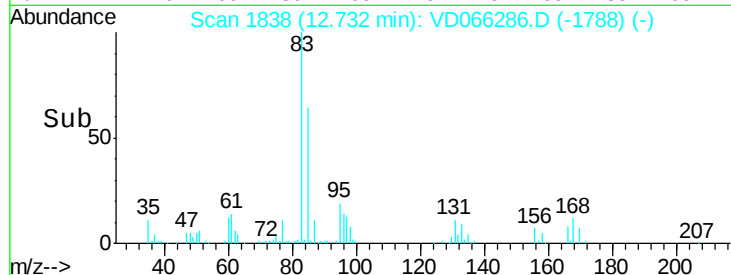
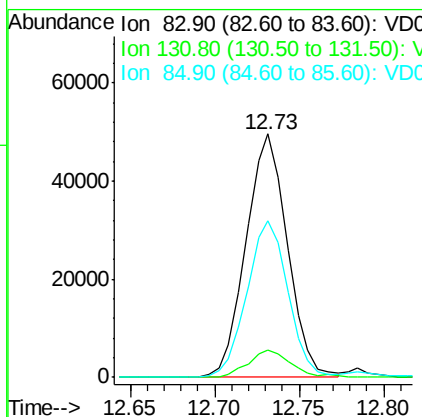
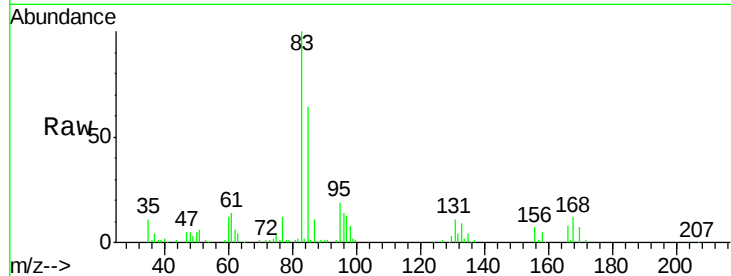
ClientSampleId :

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

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.381 ug/l m

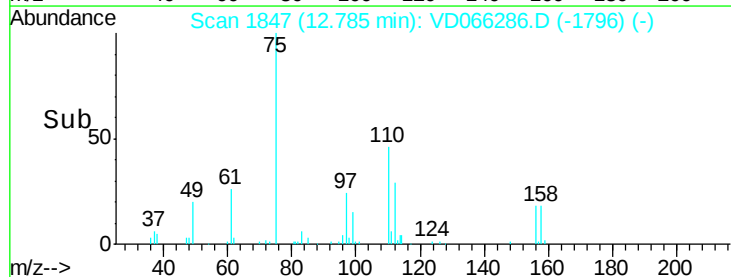
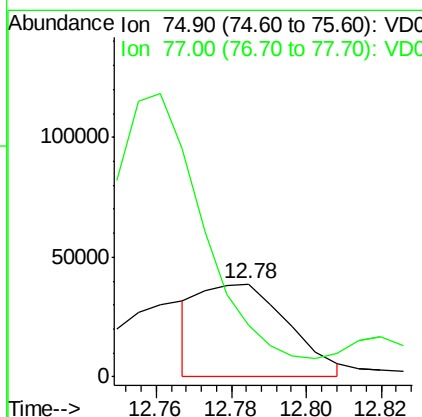
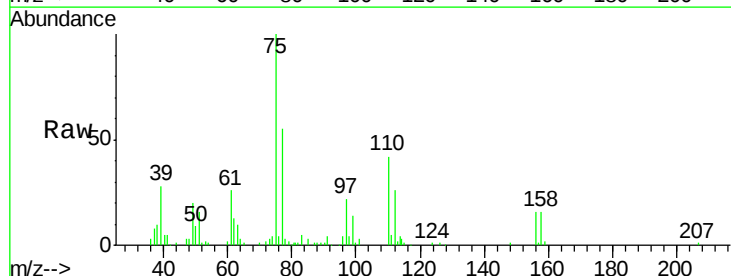
RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066286.D

Acq: 18 Aug 2020 18:58

Tgt Ion:	75	Resp:	63558
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#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

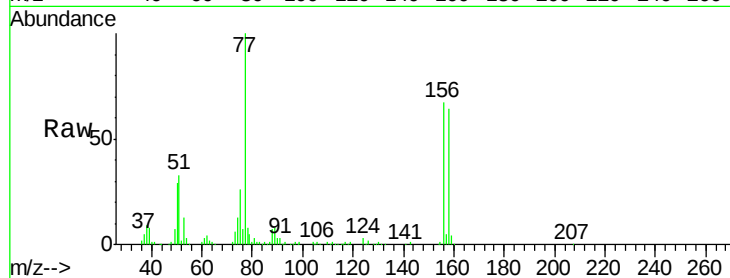
ClientSampleId :

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

Manual Integrations
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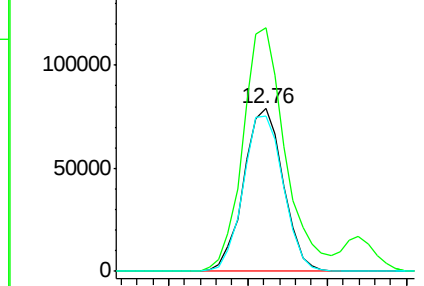
MMDadoda
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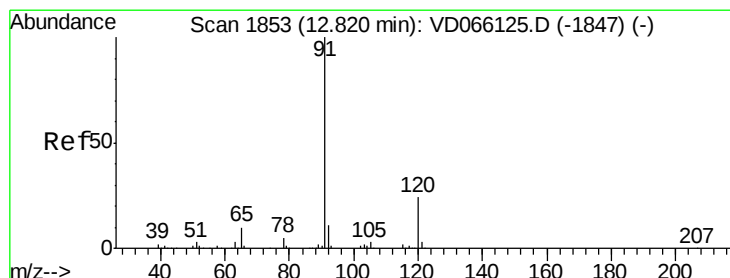
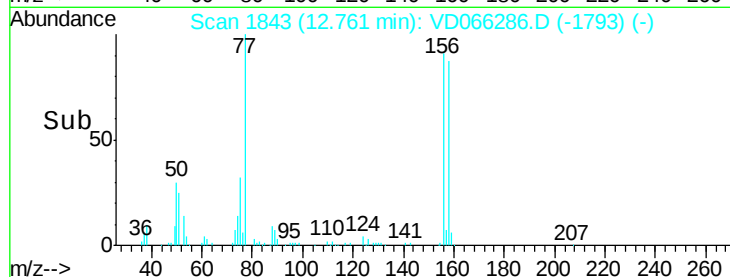
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 50.172 ug/l

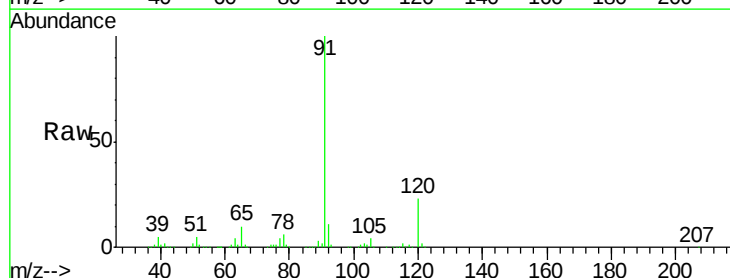
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066286.D

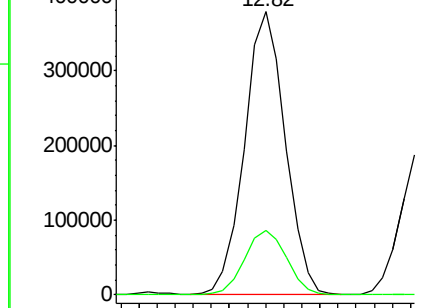
Acq: 18 Aug 2020 18:58

Tgt Ion:	91	Resp:	588939
Ion Ratio	Lower	Upper	
91	100		
120	23.8	12.0	36.0

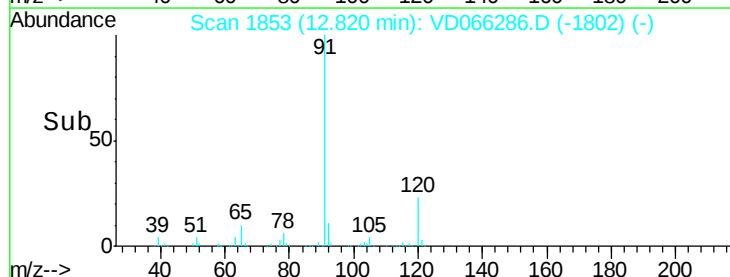


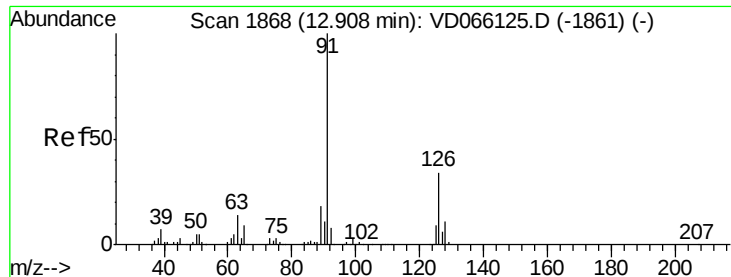
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





#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

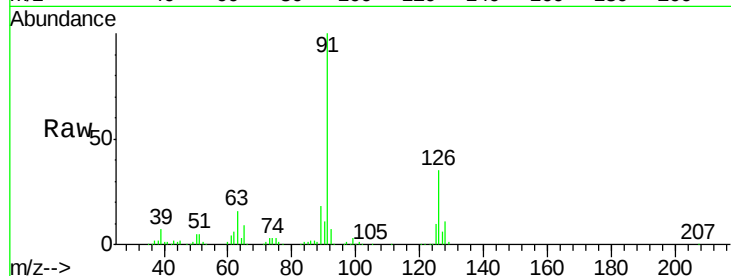
126 36.5 17.5 52.6

Manual Integrations

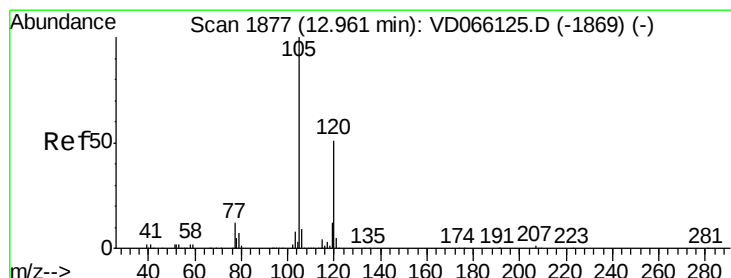
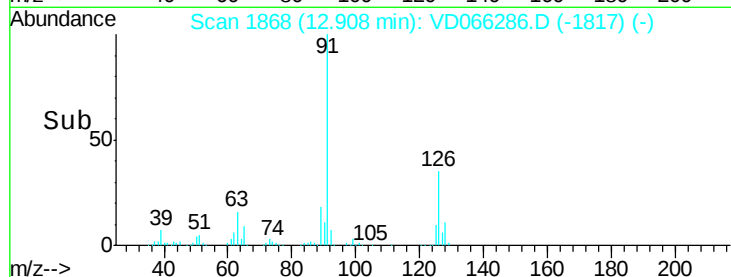
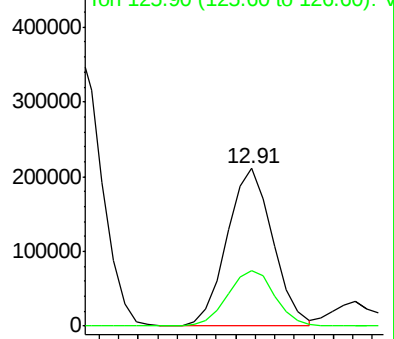
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Abundance Ion 91.00 (90.70 to 91.70): VD066125.D (-1861) (-)



#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

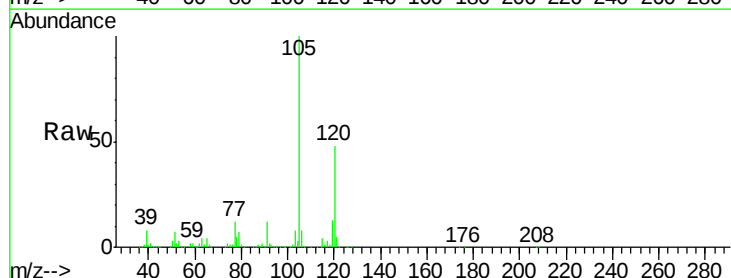
Acq: 18 Aug 2020 18:58

Tgt Ion:105 Resp: 435860

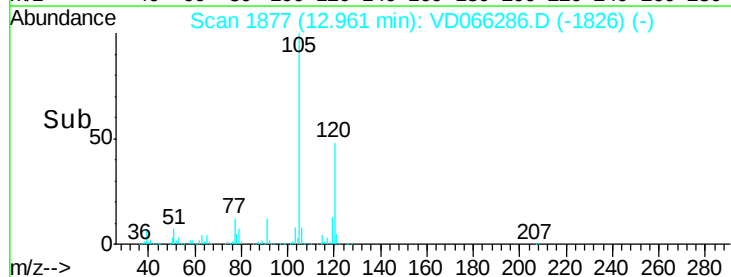
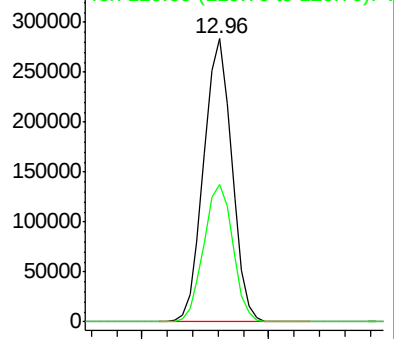
Ion Ratio Lower Upper

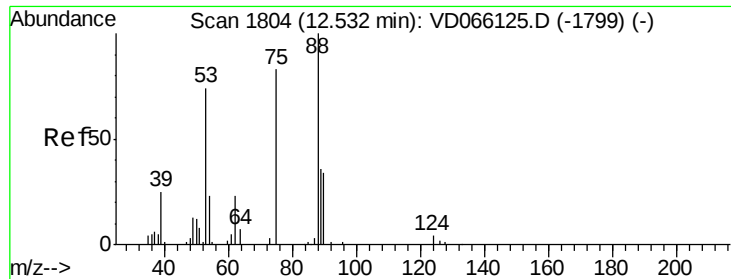
105 100

120 50.0 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066125.D (-1869) (-)





#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

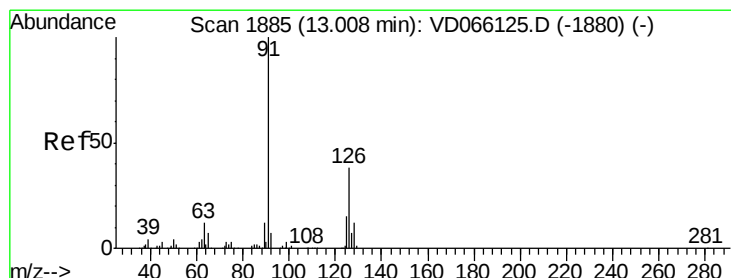
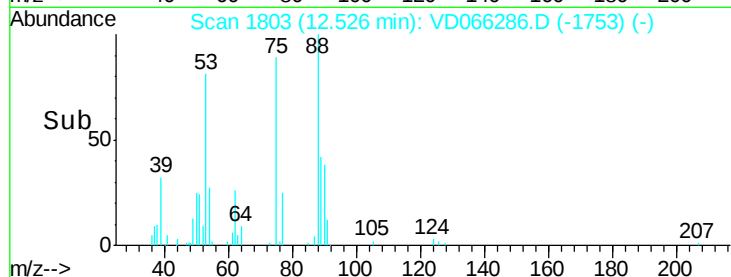
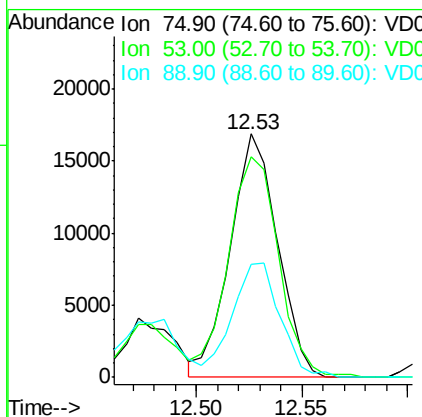
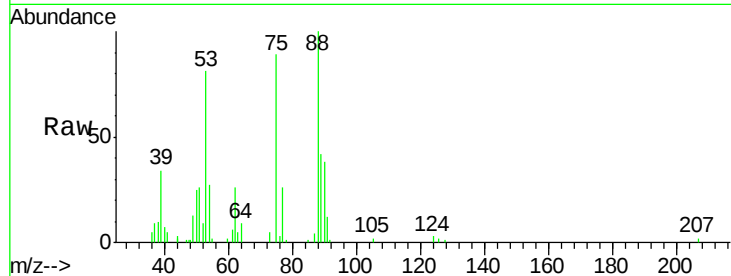
ClientSampleId :

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.430 ug/l

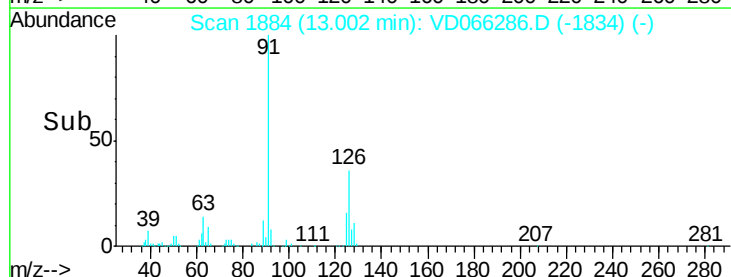
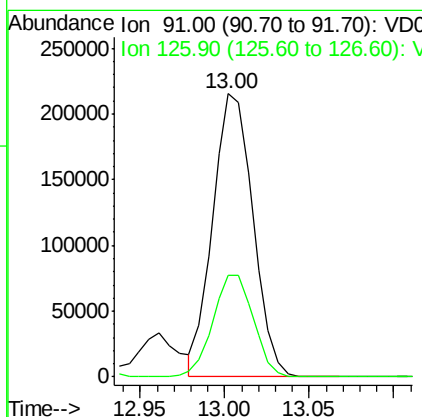
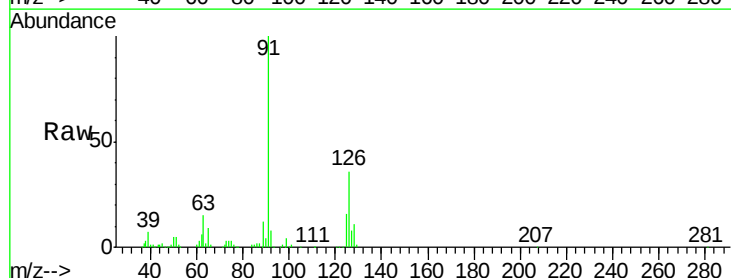
RT: 13.00 min Scan# 1884

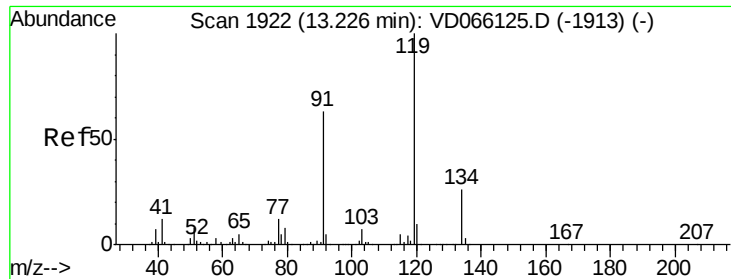
Delta R.T. -0.01 min

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





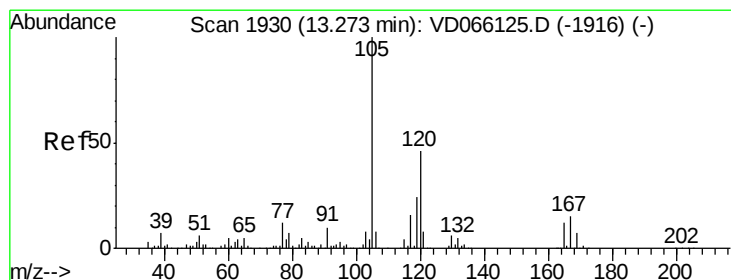
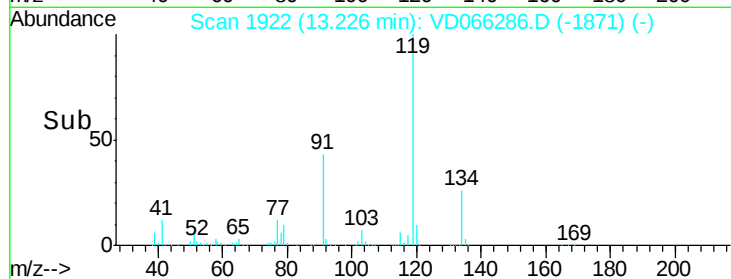
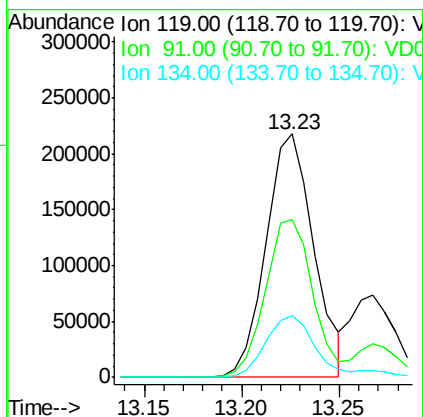
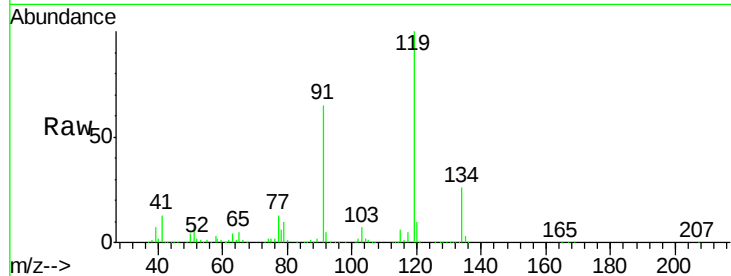
#83
tert-Butylbenzene
Concen: 49.812 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

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

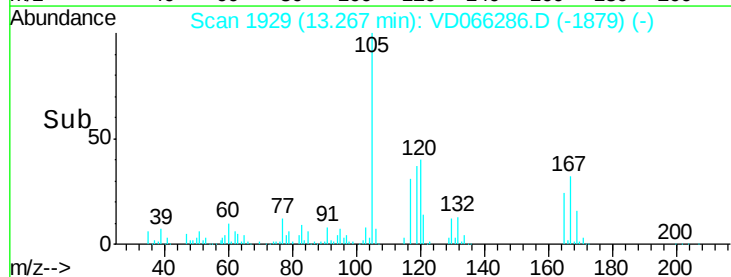
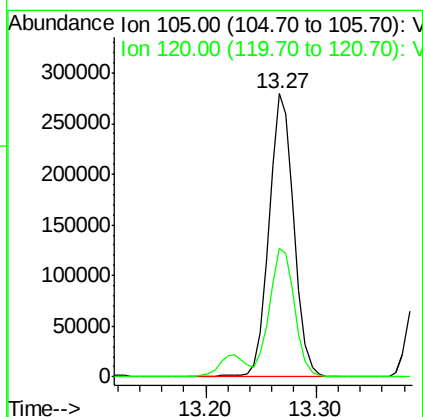
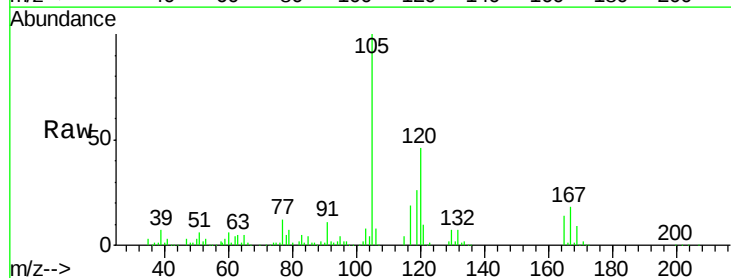
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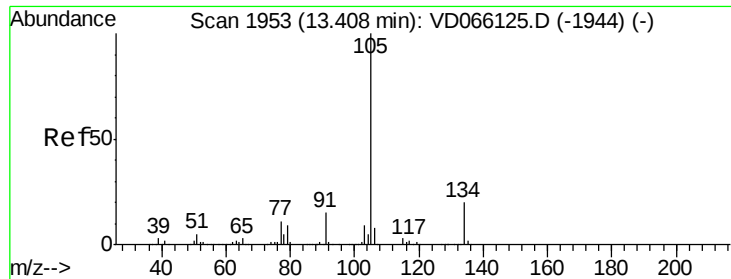
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#84
1,2,4-Trimethylbenzene
Concen: 51.712 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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





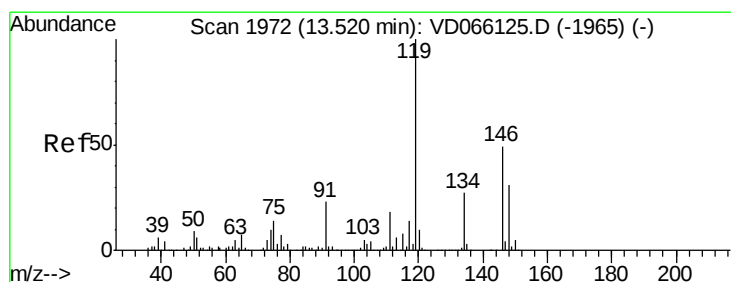
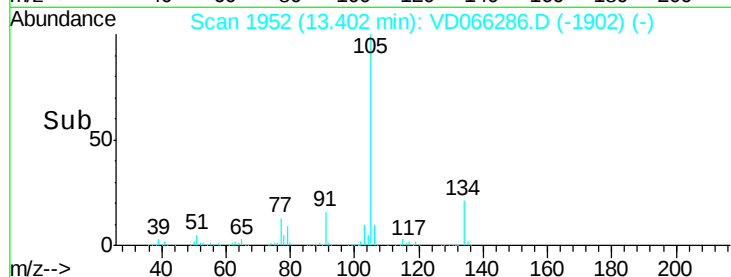
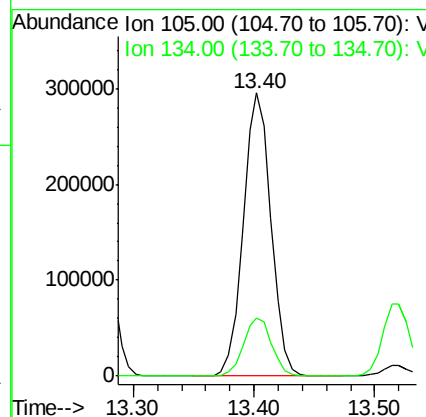
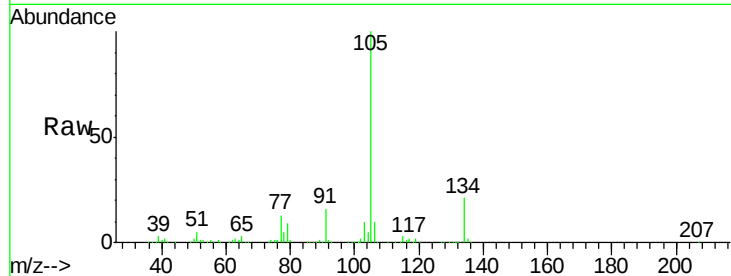
#85
 sec-Butylbenzene
 Concen: 46.959 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

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

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.4	31.4

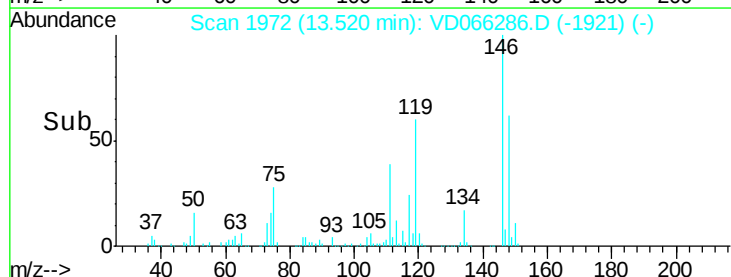
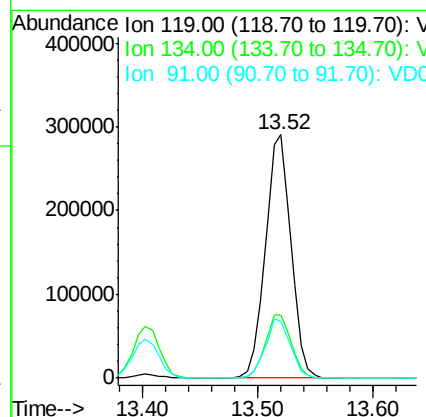
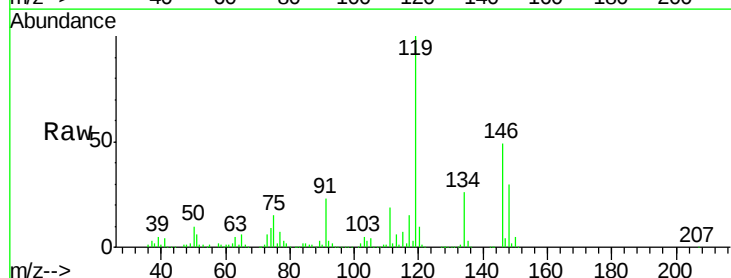
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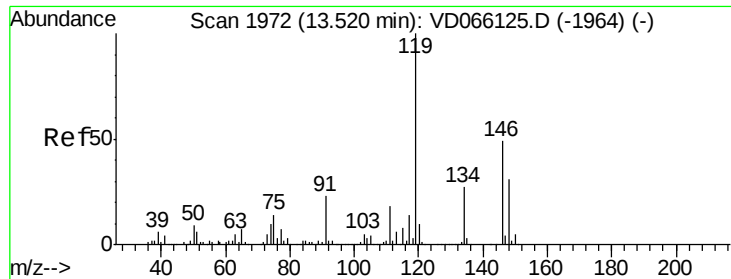
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#86
 p-Isopropyltoluene
 Concen: 47.751 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.5	40.4
91	23.9	11.2	33.5





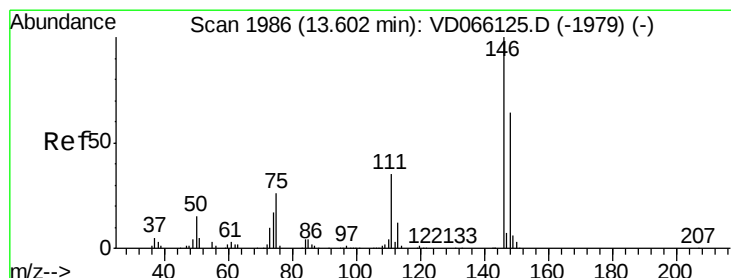
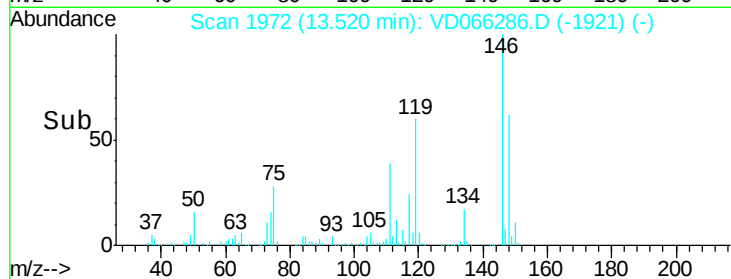
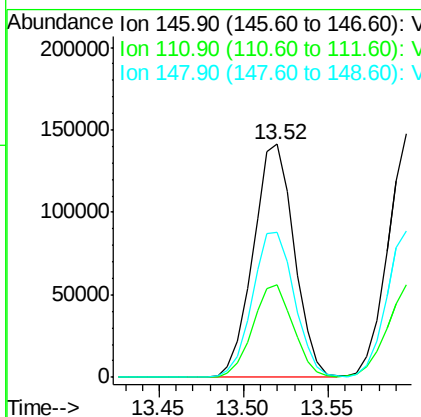
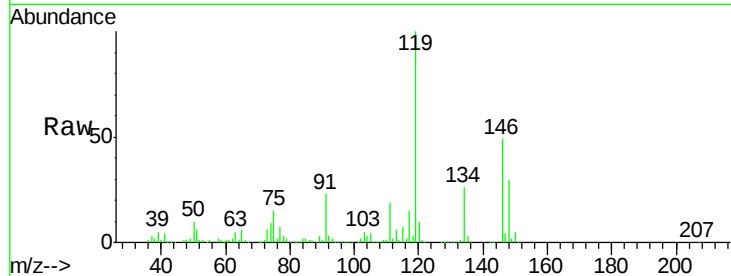
#87
 1,3-Dichlorobenzene
 Concen: 48.702 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

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

Tot Ion	Ratio	Resp	Lower	Upper
146	100	237939		
111	39.1	18.9	56.9	
148	63.7	31.8	95.3	

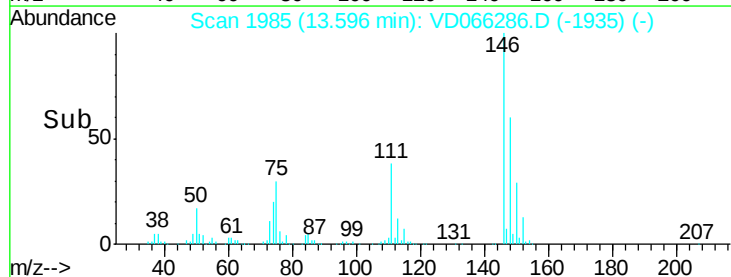
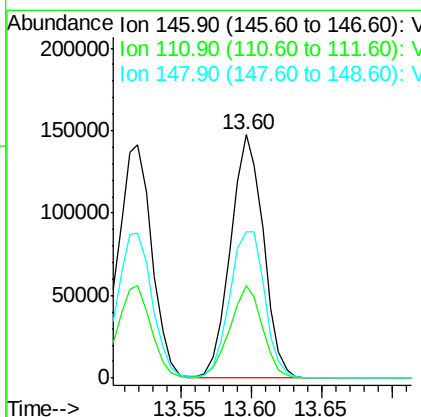
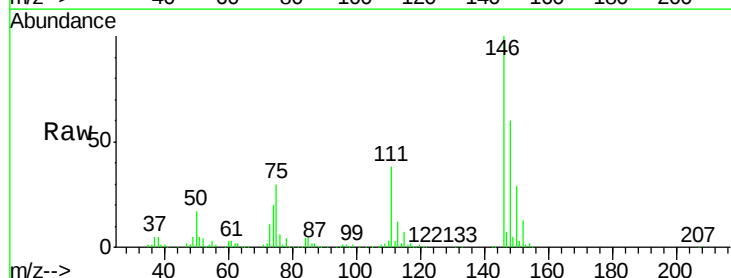
Manual Integrations
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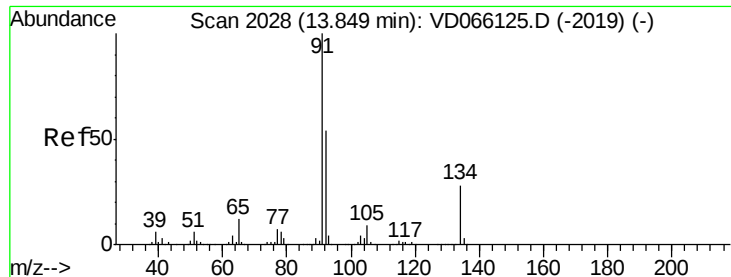
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#88
 1,4-Dichlorobenzene
 Concen: 49.098 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	239220		
111	37.9	18.6	55.8	
148	63.9	32.4	97.0	





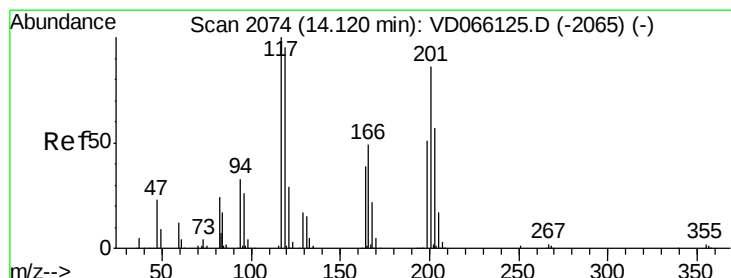
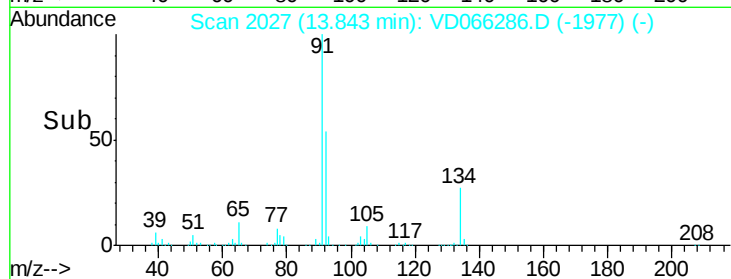
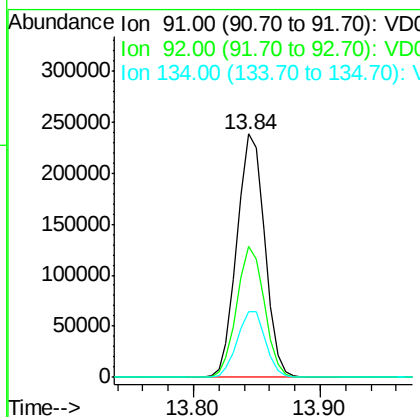
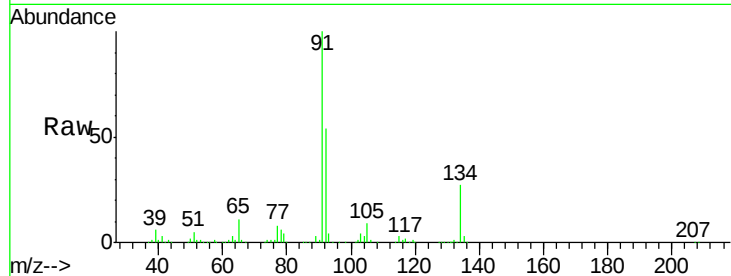
#89
n-Butylbenzene
Concen: 42.954 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

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

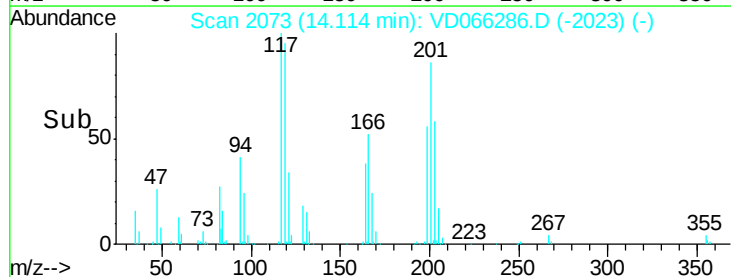
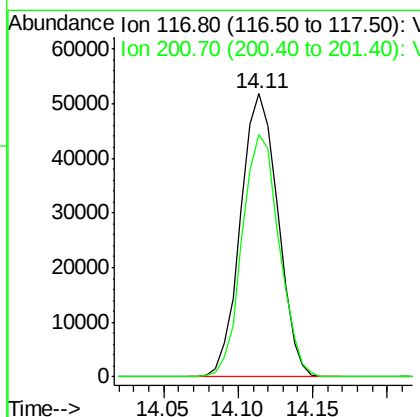
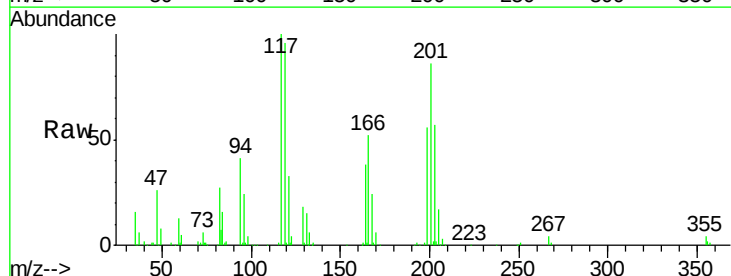
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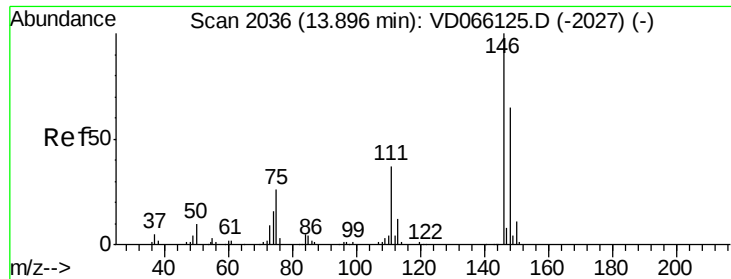
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#90
Hexachloroethane
Concen: 47.936 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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





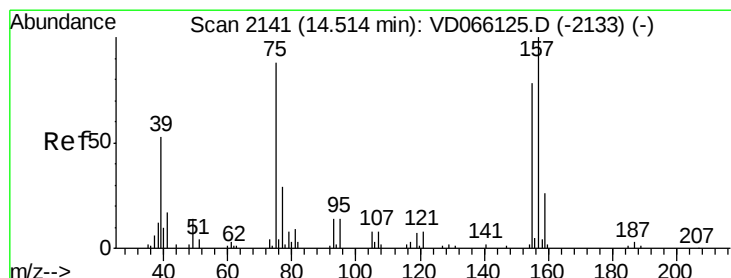
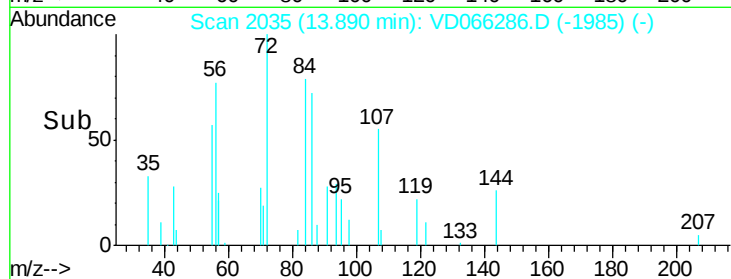
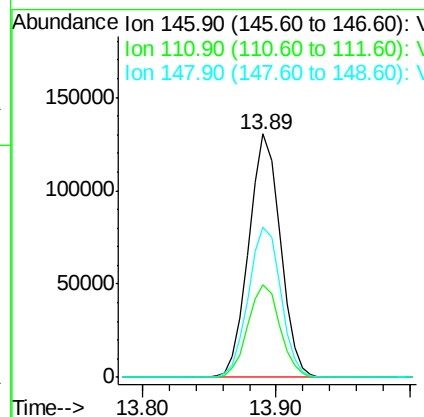
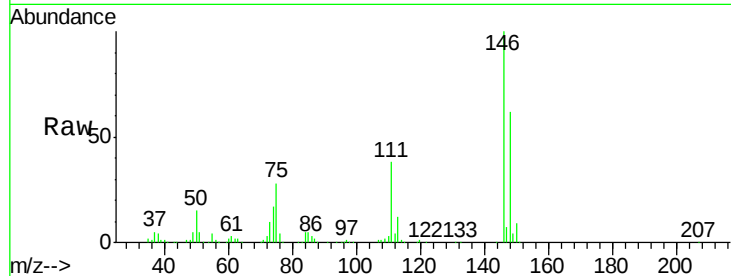
#91
 1,2-Dichlorobenzene
 Concen: 49.285 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

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

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

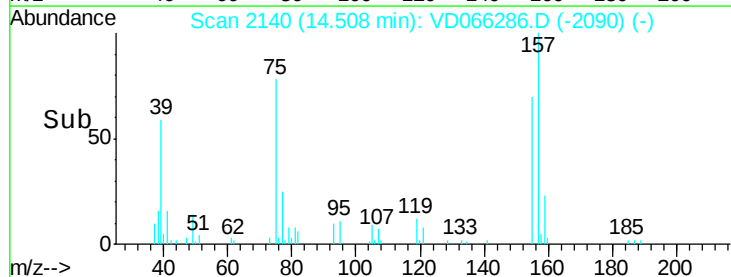
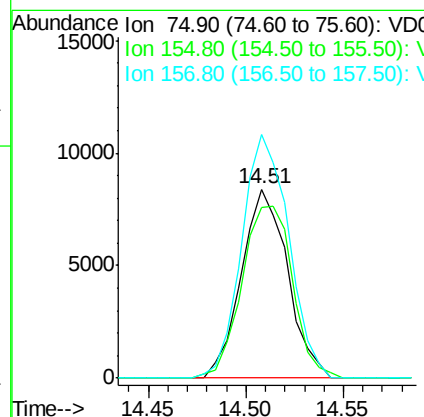
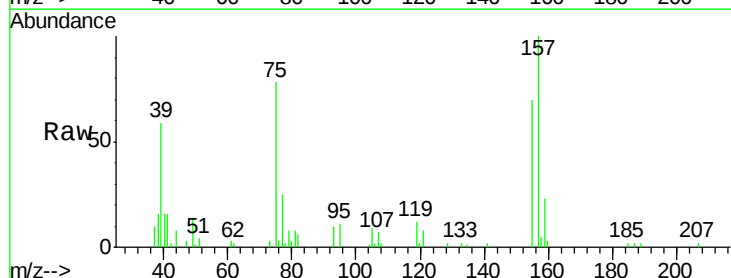
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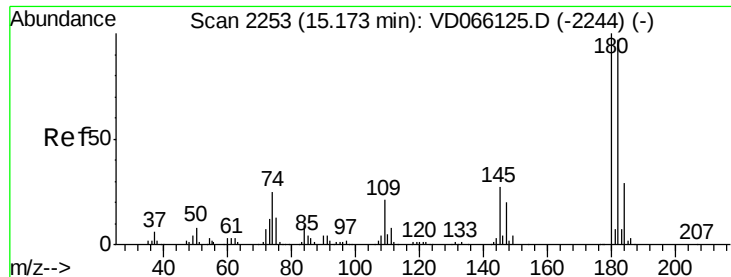
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.472 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

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





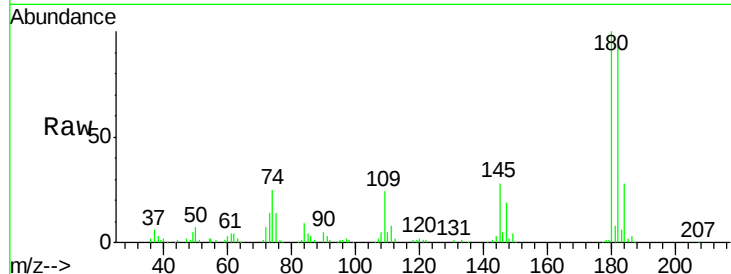
#93
 1,2,4-Trichlorobenzene
 Concen: 38.476 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

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

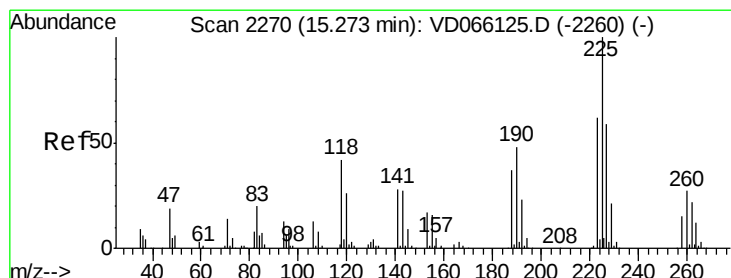
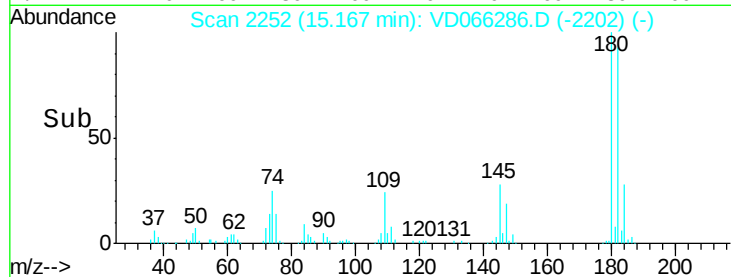
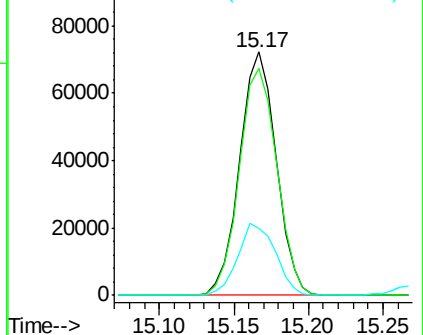
Tot Ion	Ratio	Resp	Lower	Upper
180	100	122511		
182	96.2	47.4	142.2	
145	30.5	14.5	43.6	

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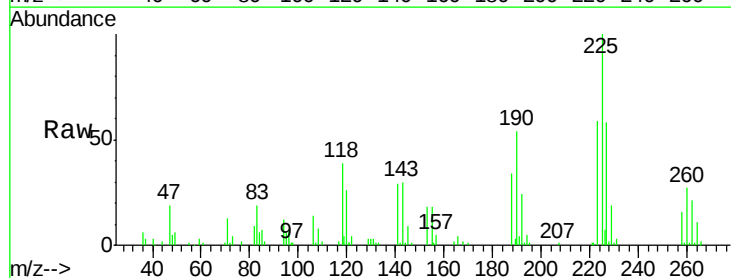


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

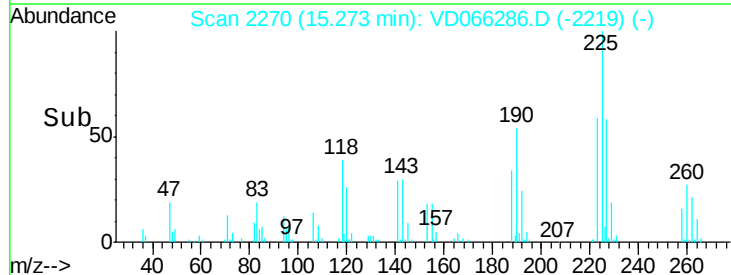
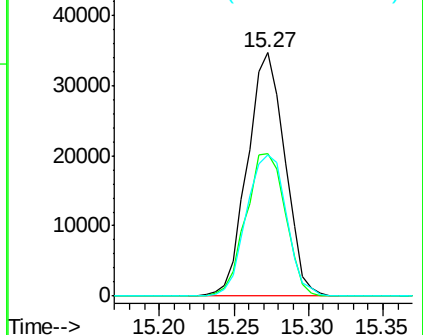


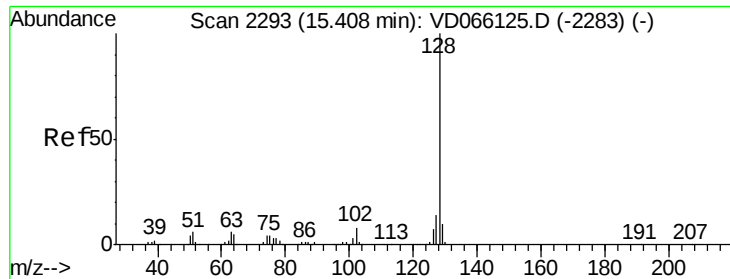
#94
 Hexachlorobutadiene
 Concen: 32.084 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066286.D
 Acq: 18 Aug 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	60156		
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





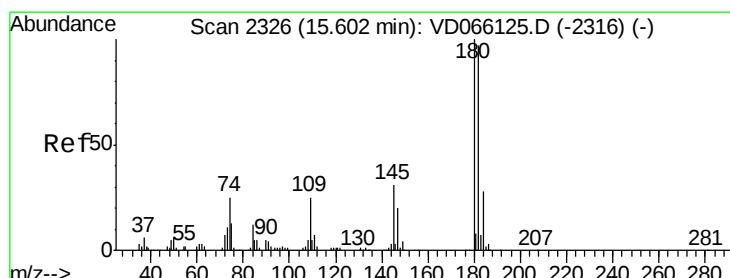
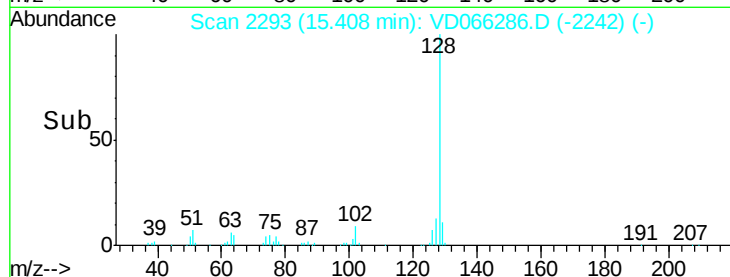
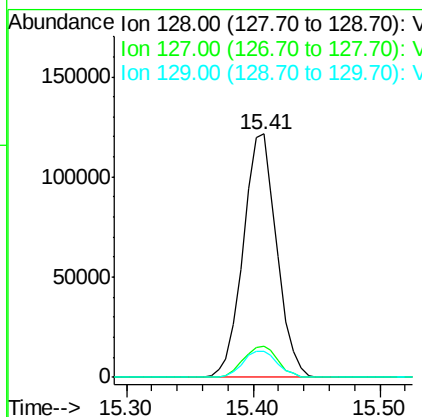
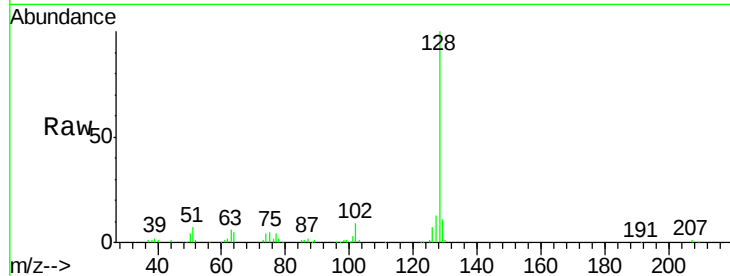
#95
Naphthalene
Concen: 42.899 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066286.D
Acq: 18 Aug 2020 18:58

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	11.0	16.4
129	11.2	8.8	13.2

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#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	Ratio	Lower	Upper
180	100		
182	96.9	47.1	141.4
145	30.8	14.9	44.9

