

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070218\
 Data File : VU025160.D
 Acq On : 02 Jul 2018 22:32
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 7/3/2018 4:56:42 PM

Quant Time: Jul 03 06:42:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	164661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	248708	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	237604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144318	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	125277	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
35) Dibromofluoromethane	4.89	113	104692	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
50) Toluene-d8	7.57	98	326557	43.37	ug/l	0.00
Spiked Amount			Recovery	=	86.74%	
62) 4-Bromofluorobenzene	10.31	95	144022	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	86192	41.82	ug/l	98
3) Chloromethane	1.33	50	96424	45.79	ug/l	98
4) Vinyl Chloride	1.40	62	100916	46.47	ug/l	97
5) Bromomethane	1.61	94	57145	54.44	ug/l	98
6) Chloroethane	1.69	64	68131	56.28	ug/l	100
7) Trichlorofluoromethane	1.88	101	165428	49.92	ug/l	100
8) Diethyl Ether	2.10	74	64302	57.29	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.28	101	99855	48.57	ug/l	97
10) Methyl Iodide	2.41	142	115695	64.75	ug/l	97
11) Tert butyl alcohol	2.83	59	193702	296.28	ug/l	100
12) 1,1-Dichloroethene	2.28	96	91982	49.06	ug/l	96
13) Acrolein	2.19	56	23784	69.28	ug/l	96
14) Allyl chloride	2.59	41	160814	46.19	ug/l	100
15) Acrylonitrile	2.93	53	359417	282.56	ug/l	100
16) Acetone	2.32	43	349593	242.05	ug/l	98
17) Carbon Disulfide	2.48	76	256566	42.74	ug/l	99
18) Methyl Acetate	2.62	43	225938	72.97	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	381090	54.07	ug/l	96
20) Methylene Chloride	2.70	84	114435	50.50	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	103591	50.16	ug/l	96
22) Diisopropyl ether	3.57	45	364379	52.80	ug/l	97
23) Vinyl Acetate	3.53	43	1560890	252.50	ug/l	99
24) 1,1-Dichloroethane	3.45	63	209418	52.75	ug/l	100
25) 2-Butanone	4.26	43	537715	277.16	ug/l	96
26) 2,2-Dichloropropane	4.23	77	144892	38.44	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	124879	52.60	ug/l	97
28) Bromochloromethane	4.55	49	82477	47.17	ug/l	84
29) Tetrahydrofuran	4.63	42	340028	283.02	ug/l	97
30) Chloroform	4.68	83	220441	54.86	ug/l	99
31) Cyclohexane	5.00	56	180830	51.35	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	200757	54.03	ug/l	96
36) 1,1-Dichloropropene	5.14	75	152768	52.27	ug/l	97
37) Ethyl Acetate	4.38	43	188351	59.13	ug/l	97
38) Carbon Tetrachloride	5.14	117	178229	55.46	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	184717	50.65	ug/l	95
40) Benzene	5.39	78	454909	54.63	ug/l	98
41) Methacrylonitrile	4.54	41	106532	62.03	ug/l	99
42) 1,2-Dichloroethane	5.41	62	189395	59.71	ug/l	100
43) Isopropyl Acetate	5.55	43	306957	55.75	ug/l	99
44) Trichloroethene	6.19	130	124625	52.58	ug/l	99
45) 1,2-Dichloropropane	6.44	63	123089	55.40	ug/l	96
46) Dibromomethane	6.56	93	89589	57.40	ug/l	95
47) Bromodichloromethane	6.76	83	172415	55.48	ug/l	97
48) Methyl methacrylate	6.62	41	159220	59.39	ug/l	97
49) 1,4-Dioxane	6.62	88	78713	1501.24	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1022747	295.67	ug/l	98
52) Toluene	7.64	92	294588	54.98	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	179745	51.50	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	190789	51.30	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	124056	56.96	ug/l	97
56) Ethyl methacrylate	8.02	69	198855	54.55	ug/l	99
57) 1,3-Dichloropropane	8.25	76	209844	57.12	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	358341	256.61	ug/l	95
59) 2-Hexanone	8.36	43	829178	293.61	ug/l	99
60) Dibromochloromethane	8.48	129	141000	51.92	ug/l	100
61) 1,2-Dibromoethane	8.59	107	136654	56.38	ug/l	98
64) Tetrachloroethene	8.23	164	119373	52.85	ug/l	97
65) Chlorobenzene	9.12	112	336344	55.41	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	128784	55.85	ug/l	97
67) Ethyl Benzene	9.25	91	588709	55.32	ug/l	100
68) m/p-Xylenes	9.38	106	456427	111.70	ug/l	98
69) o-Xylene	9.78	106	226506	56.01	ug/l	97
70) Styrene	9.80	104	365225	54.96	ug/l	99
71) Bromoform	9.96	173	113259	51.67	ug/l #	100
73) Isopropylbenzene	10.17	105	609565	55.01	ug/l	99
74) N-amyl acetate	10.01	43	275449	52.26	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	214706	57.83	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	181870m	57.24	ug/l	
77) Bromobenzene	10.45	156	157079	56.00	ug/l	95
78) n-propylbenzene	10.59	91	691262	52.96	ug/l	97
79) 2-Chlorotoluene	10.66	91	419439	54.49	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	531343	55.33	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	66843m	48.69	ug/l	
82) 4-Chlorotoluene	10.78	91	484850	54.12	ug/l	99
83) tert-Butylbenzene	11.10	119	524773	56.81	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	537503	54.92	ug/l	100
85) sec-Butylbenzene	11.33	105	627063	54.23	ug/l	98
86) p-Isopropyltoluene	11.48	119	556748	53.76	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	283831	54.77	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	282200	54.10	ug/l	100
89) n-Butylbenzene	11.89	91	440911	47.95	ug/l	96
90) Hexachloroethane	12.15	117	98898	48.95	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	294692	56.77	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	58962	57.55	ug/l	96

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	184547	57.57	ug/l	98
94) Hexachlorobutadiene	13.70	225	96785	53.64	ug/l	99
95) Naphthalene	13.74	128	623820	58.67	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	194649	60.94	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 164661

Ion Ratio Lower Upper

168 100

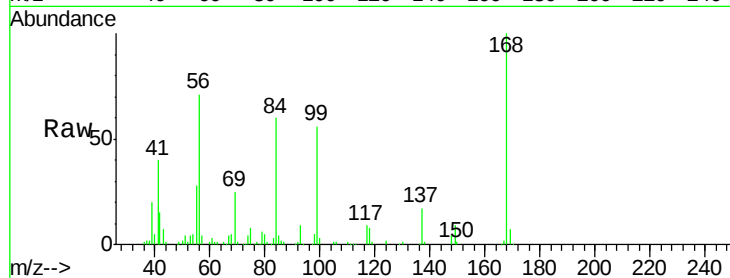
99 55.4 43.2 64.8

Manual Integrations

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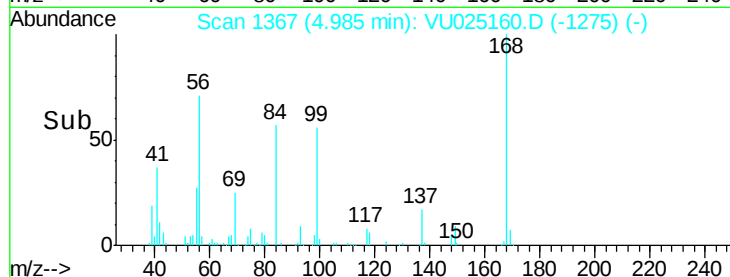
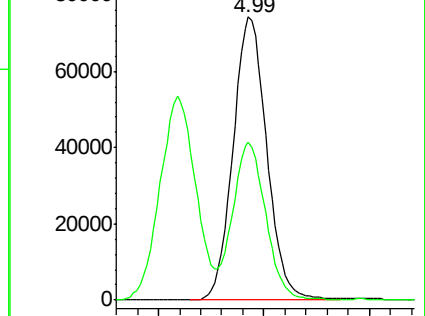
sam

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 41.82 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025160.D

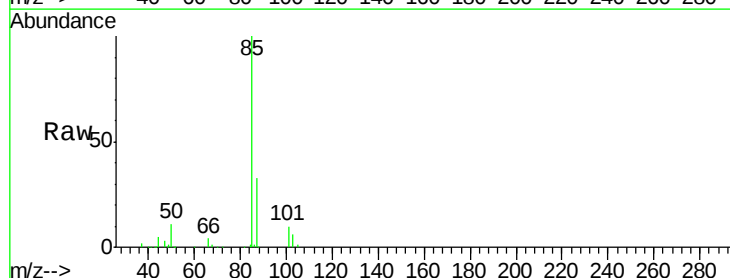
Acq: 02 Jul 2018 22:32

Tgt Ion: 85 Resp: 86192

Ion Ratio Lower Upper

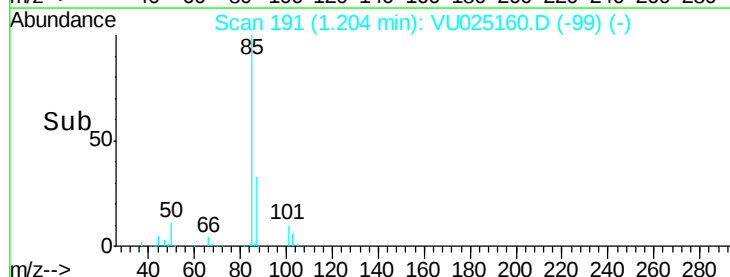
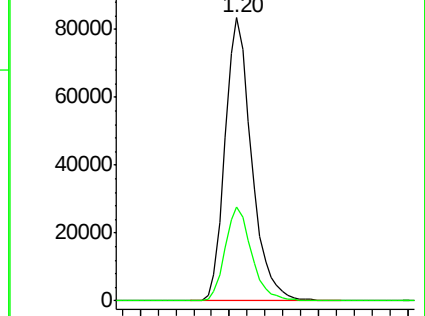
85 100

87 33.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 45.79 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 96424

Ion Ratio Lower Upper

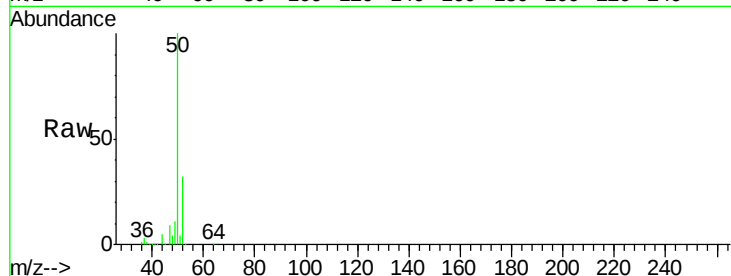
50 100

52 32.0 26.4 39.6

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Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)

1.33

100000

80000

60000

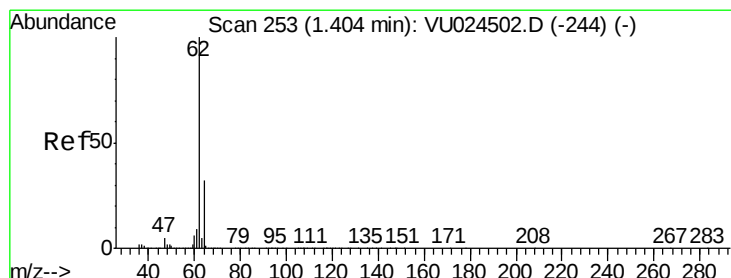
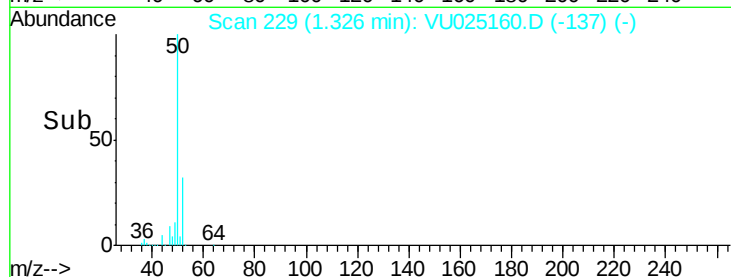
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 46.47 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025160.D

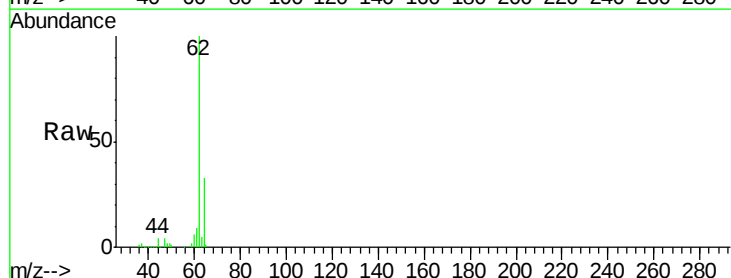
Acq: 02 Jul 2018 22:32

Tgt Ion: 62 Resp: 100916

Ion Ratio Lower Upper

62 100

64 32.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU024502.D (-244) (-)

1.40

100000

80000

60000

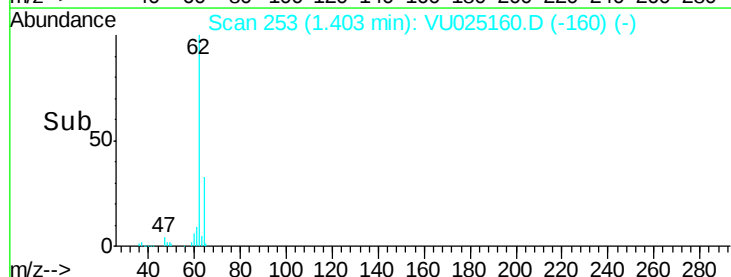
40000

20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 54.44 ug/l

RT: 1.61 min Scan# 317

Delta R.T. -0.01 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 57145

Ion Ratio Lower Upper

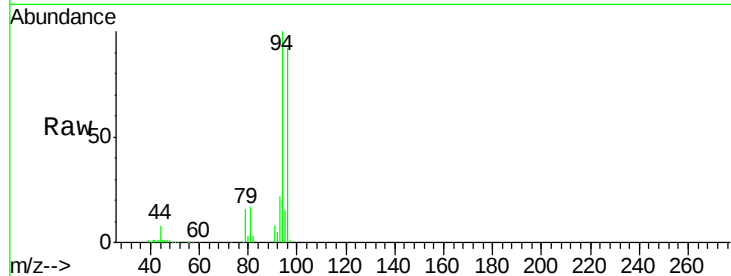
94 100

96 91.6 74.5 111.7

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Abundance Ion 93.90 (93.60 to 94.60): VU025160.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VU025160.D (-228) (-)

1.61

50000

40000

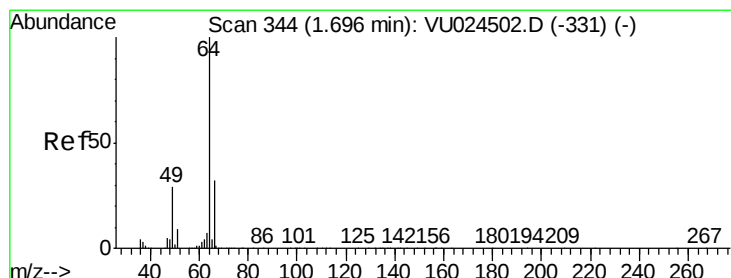
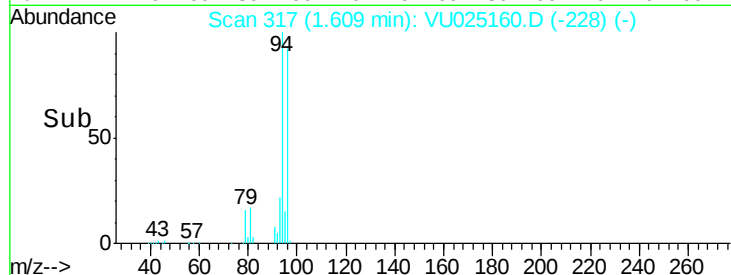
30000

20000

10000

0

Time--> 1.55 1.60 1.65



#6

Chloroethane

Concen: 56.28 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU025160.D

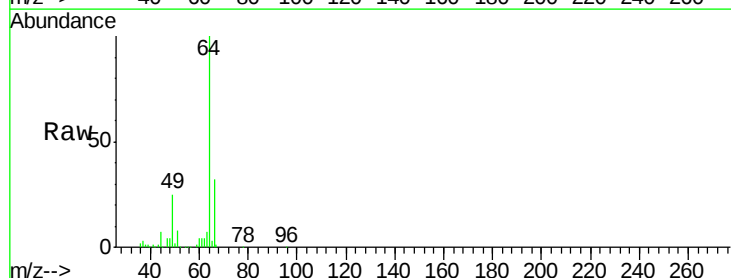
Acq: 02 Jul 2018 22:32

Tgt Ion: 64 Resp: 68131

Ion Ratio Lower Upper

64 100

66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU025160.D (-251) (-)

Ion 65.90 (65.60 to 66.60): VU025160.D (-251) (-)

1.69

60000

50000

40000

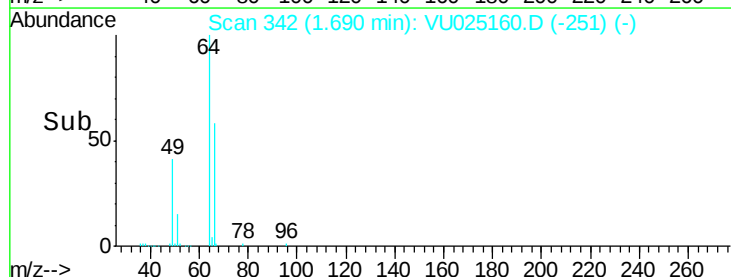
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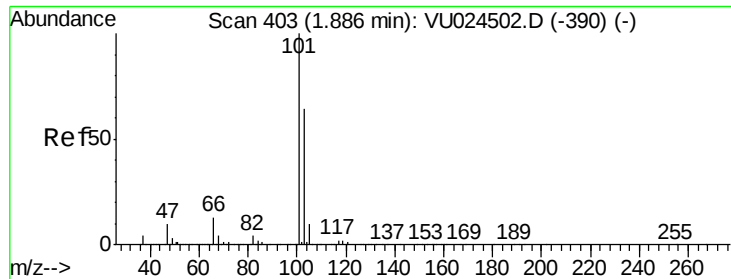
20000

10000

0

Time--> 1.60 1.65 1.70 1.75 1.80





#7

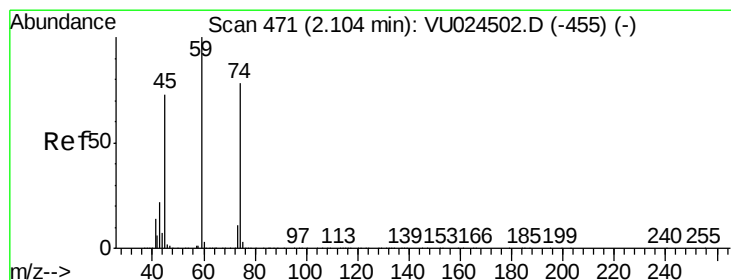
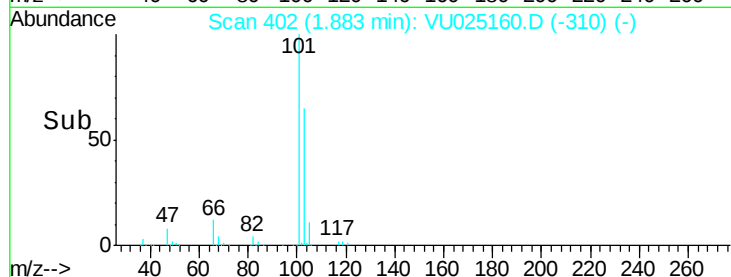
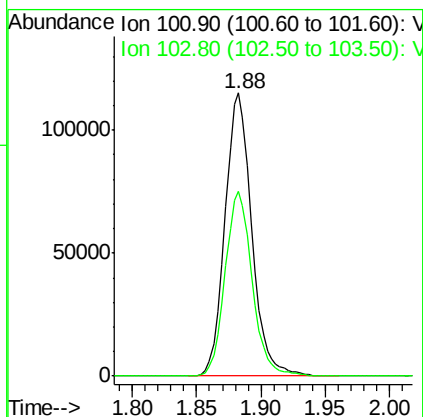
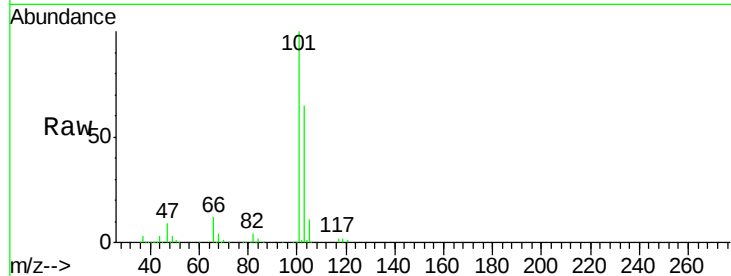
Trichlorofluoromethane
Concen: 49.92 ug/l
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.3	78.5

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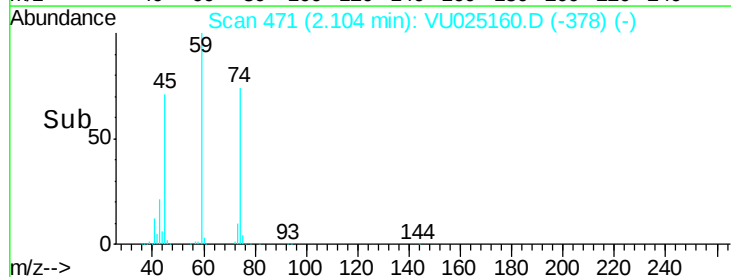
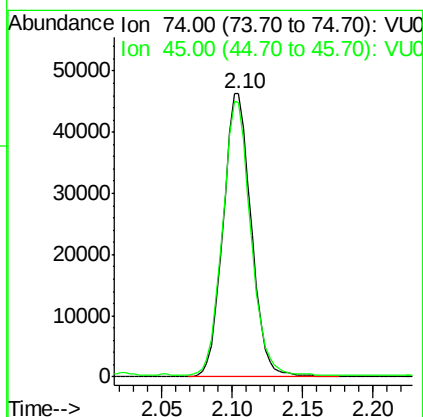
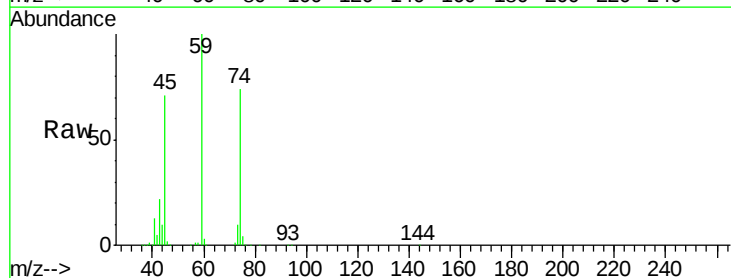
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#8

Diethyl Ether
Concen: 57.29 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.57 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

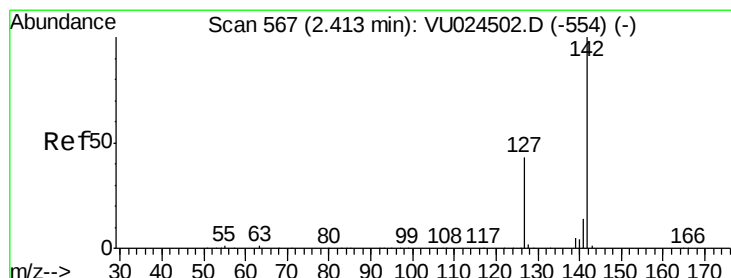
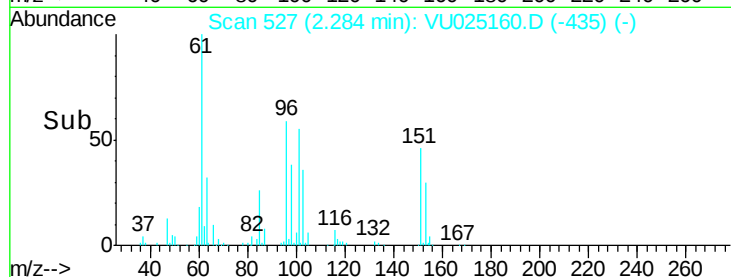
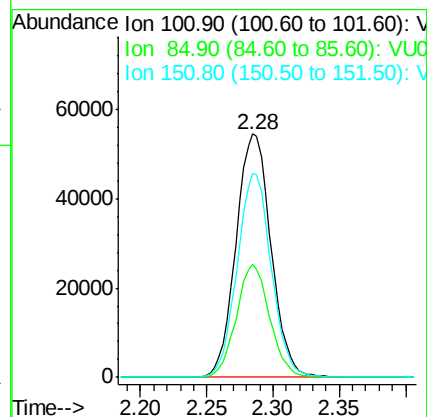
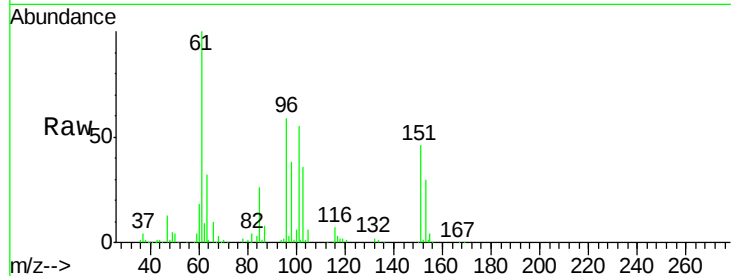
VSTDCCC050

Tot Ion:	101	Resp:	99855
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.0	54.0
151	81.7	62.3	93.5

Manual Integrations
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#10

Methyl Iodide

Concen: 64.75 ug/l

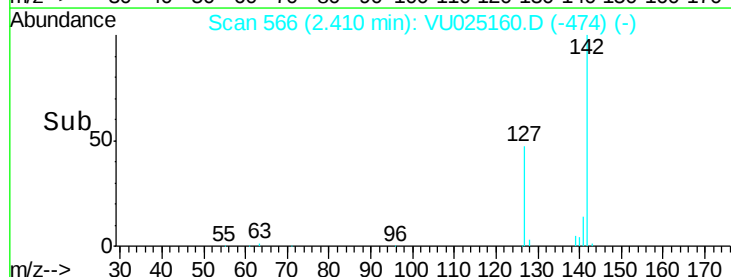
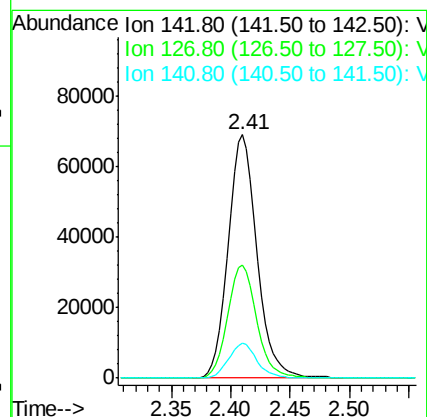
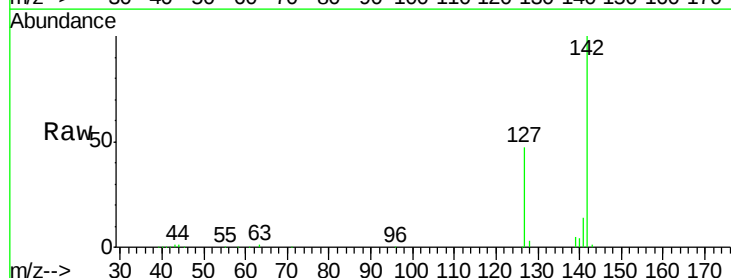
RT: 2.41 min Scan# 566

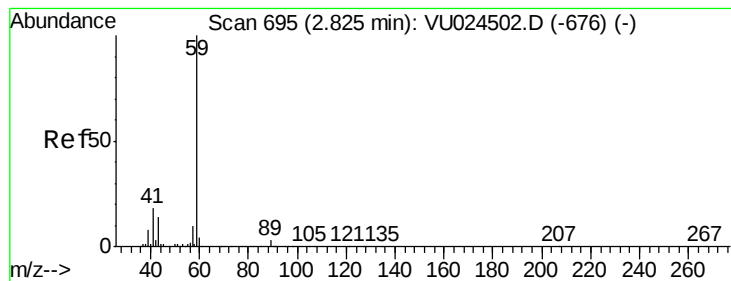
Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion:	142	Resp:	115695
Ion Ratio	Lower	Upper	
142	100		
127	46.9	35.6	53.4
141	14.0	11.7	17.5





#11

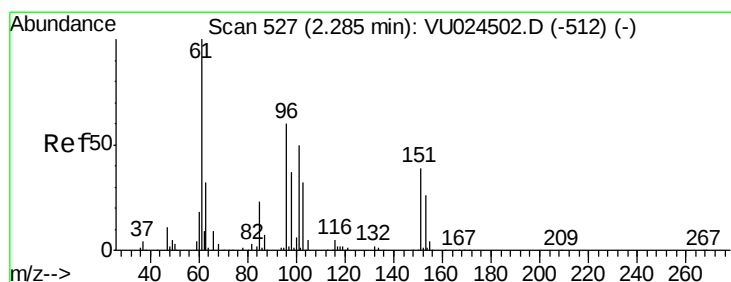
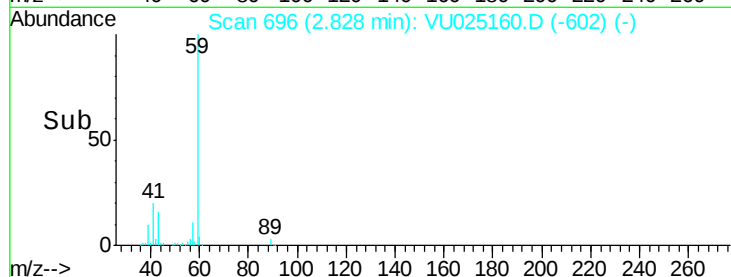
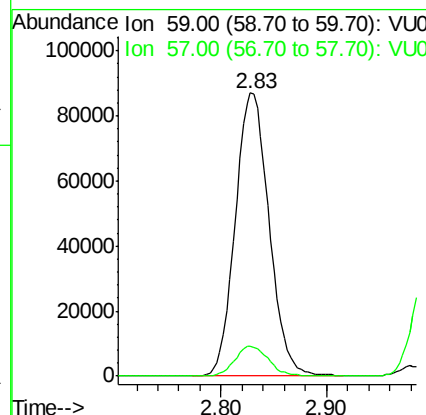
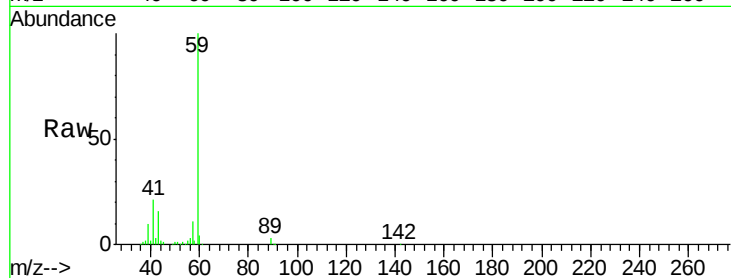
Tert butyl alcohol
 Concen: 296.28 ug/l
 RT: 2.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

Manual Integrations
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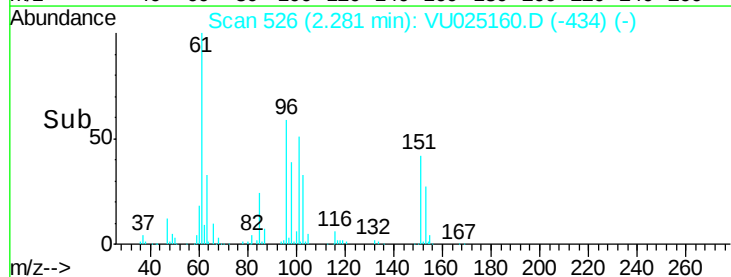
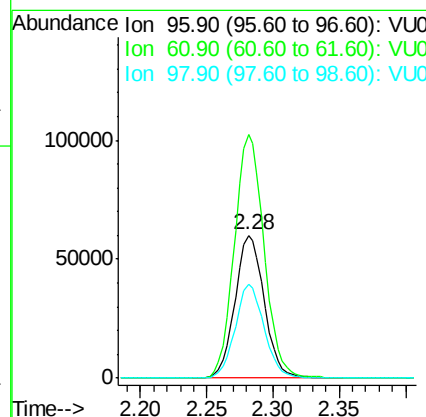
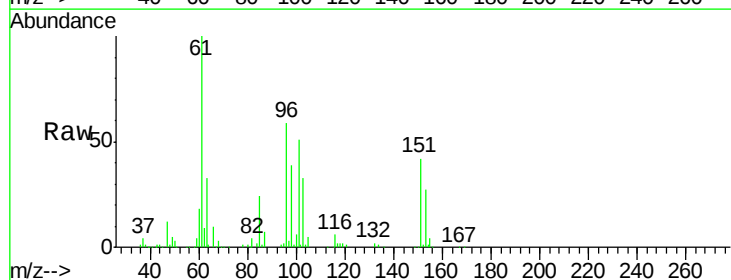
sam
 7/3/2018 4:56:42 PM



#12

1,1-Dichloroethene
 Concen: 49.06 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.3	141.7	212.5
98	65.9	51.6	77.4





#13

Acrolein

Concen: 69.28 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 23784

Ion Ratio Lower Upper

56 100

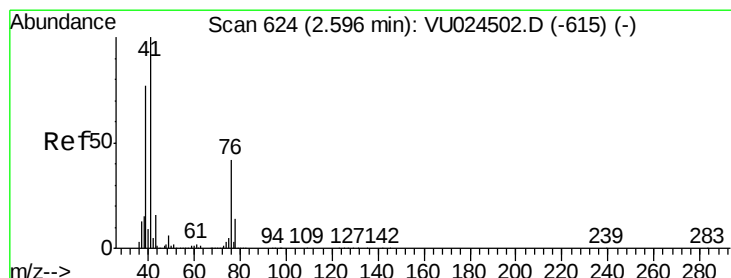
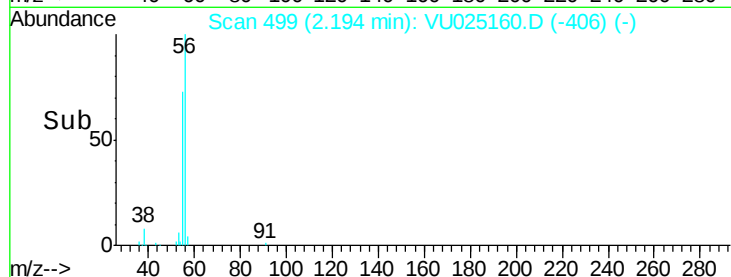
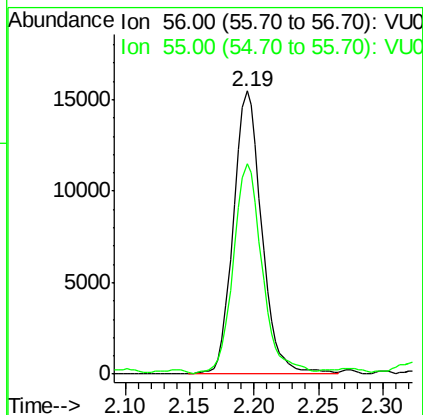
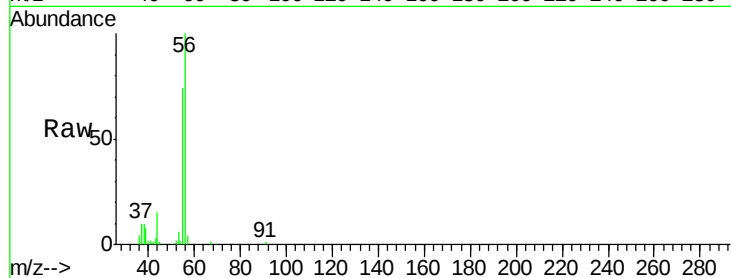
55 76.2 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 46.19 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

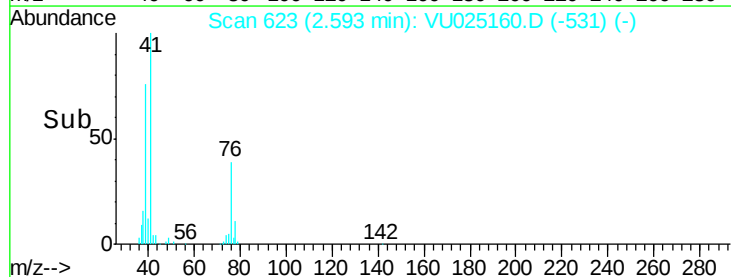
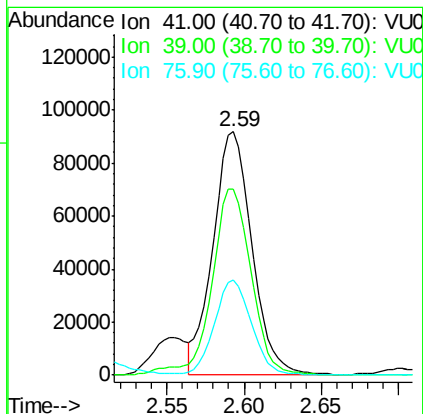
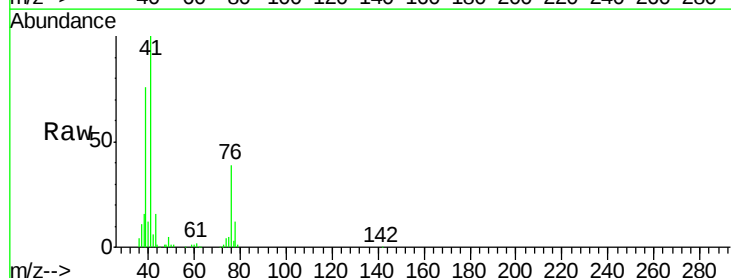
Tgt Ion: 41 Resp: 160814

Ion Ratio Lower Upper

41 100

39 76.9 61.6 92.4

76 37.1 29.7 44.5





#15

Acrylonitrile

Concen: 282.56 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

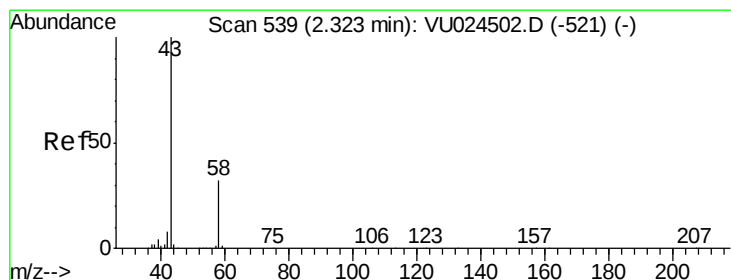
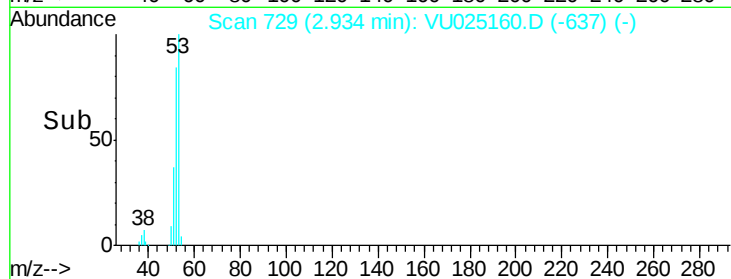
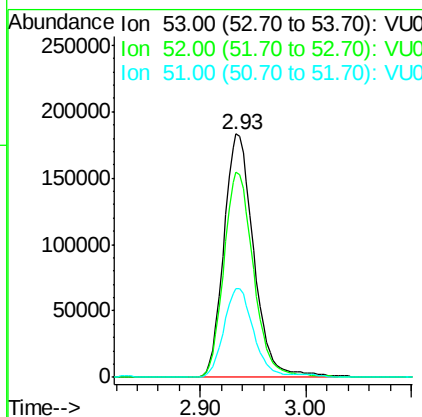
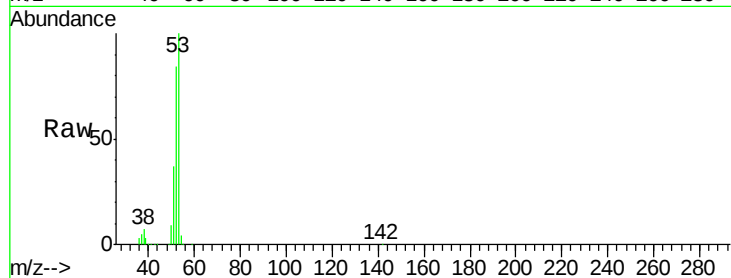
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	359417
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.1	100.7
51	36.3	28.4	42.6

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#16

Acetone

Concen: 242.05 ug/l

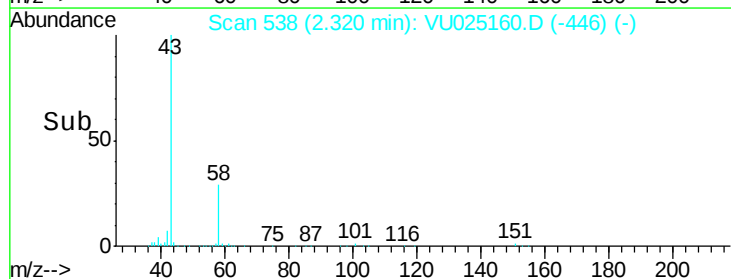
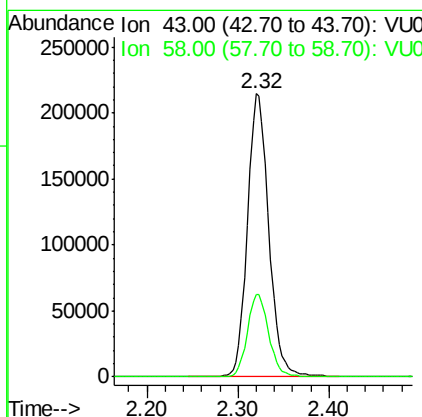
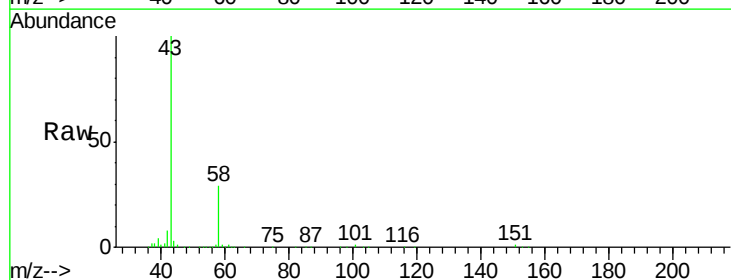
RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion:	43	Resp:	349593
Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.4	36.6





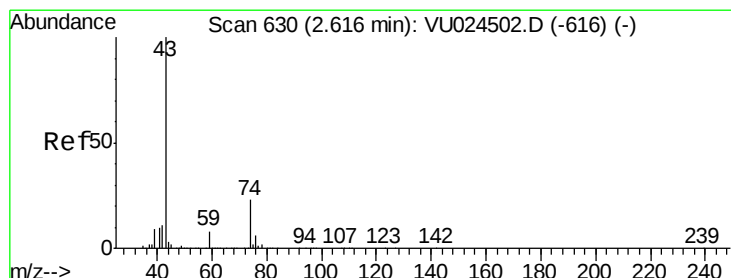
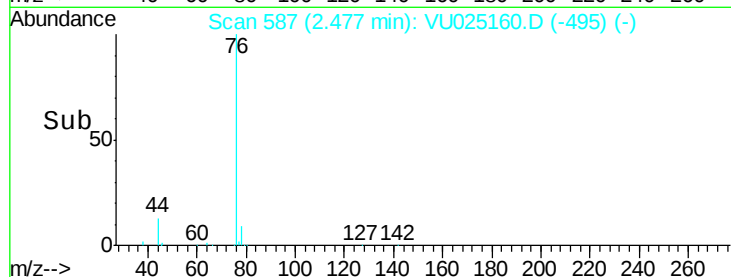
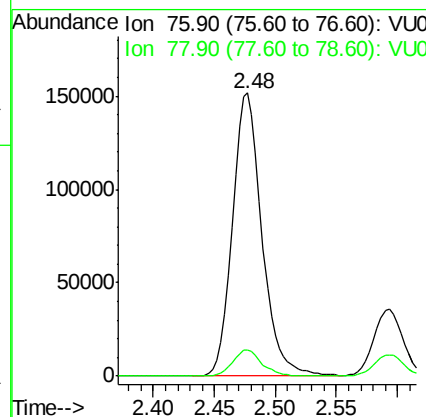
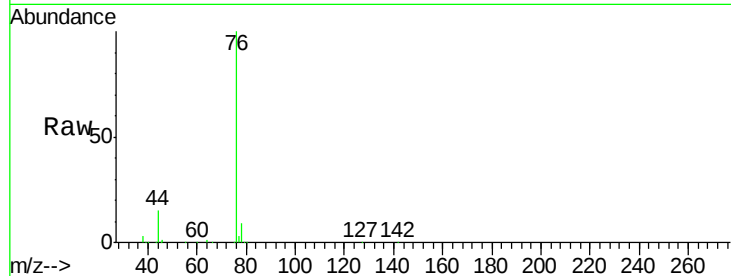
#17
Carbon Disulfide
Concen: 42.74 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

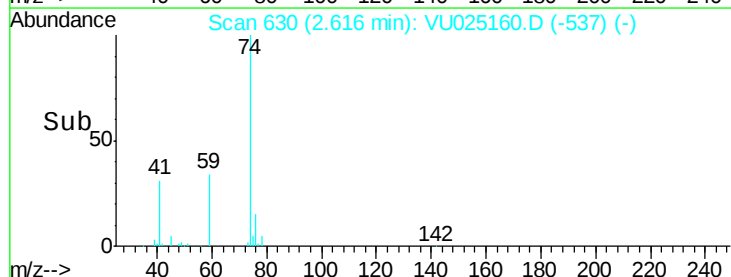
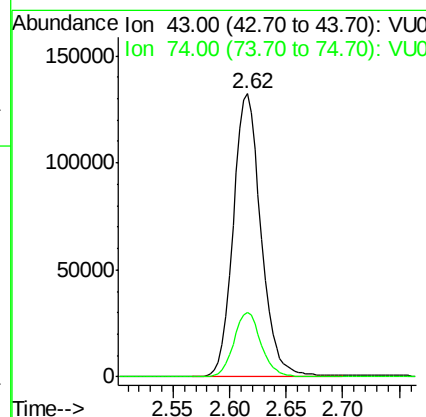
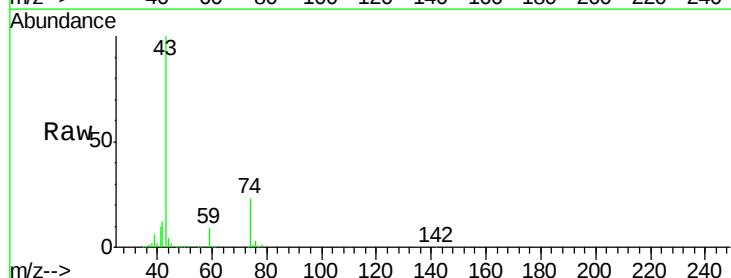
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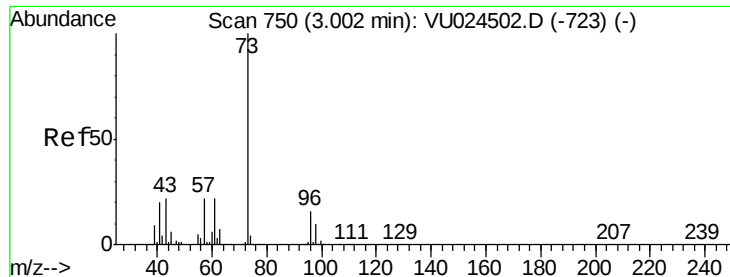
sam
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#18
Methyl Acetate
Concen: 72.97 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.0	27.0





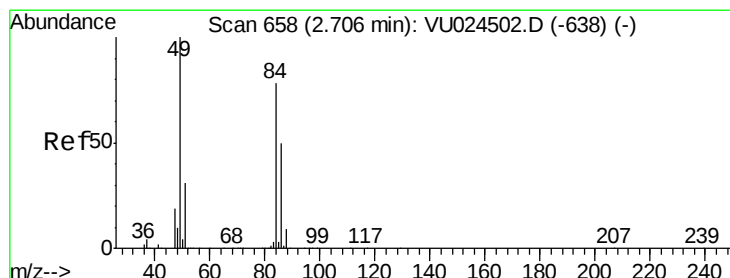
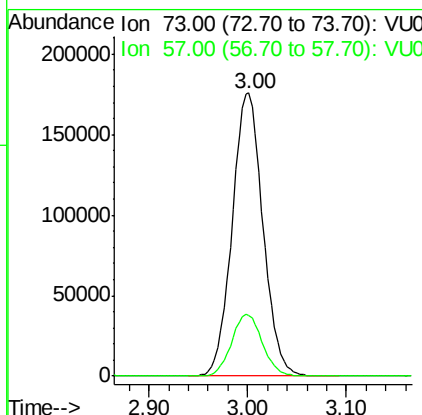
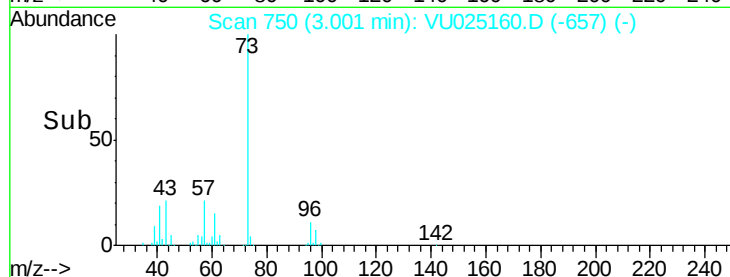
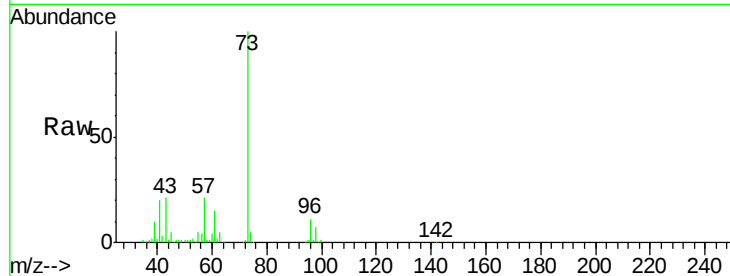
#19
Methvl tert-butvl Ether
Concen: 54.07 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	18.8	28.2

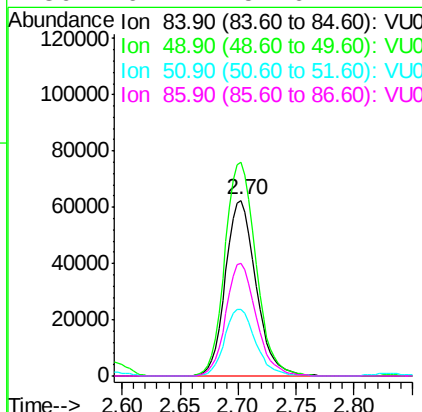
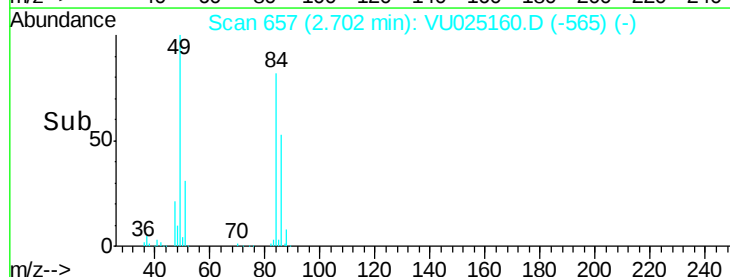
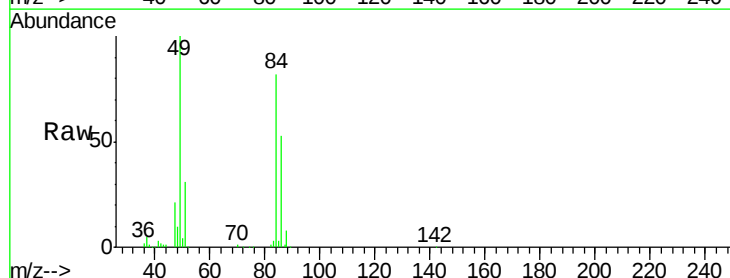
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#20
Methylene Chloride
Concen: 50.50 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.4	103.8	155.8
51	38.1	32.0	48.0
86	64.4	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 50.16 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

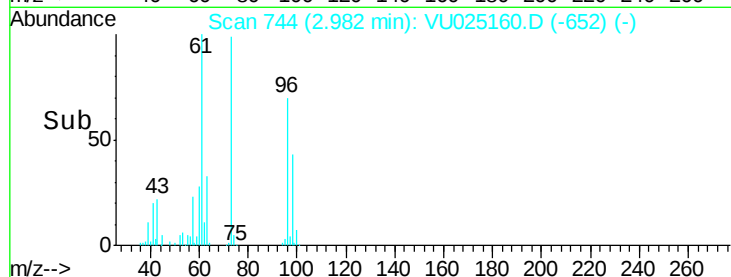
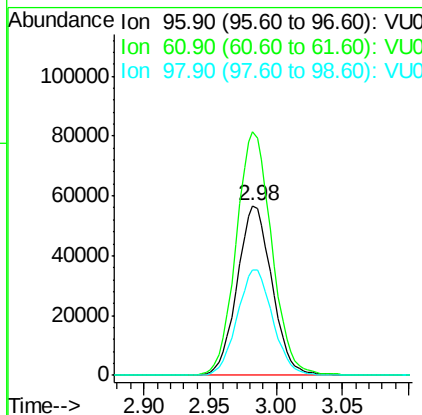
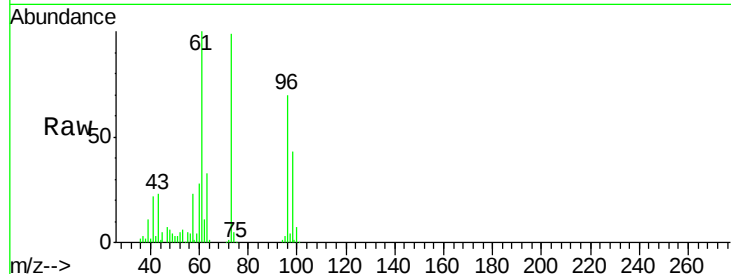
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	103591
Ion Ratio	Lower	Upper	
96	100		
61	143.4	119.4	179.0
98	62.3	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.80 ug/l

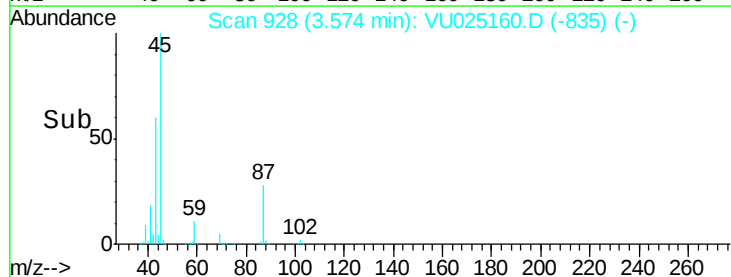
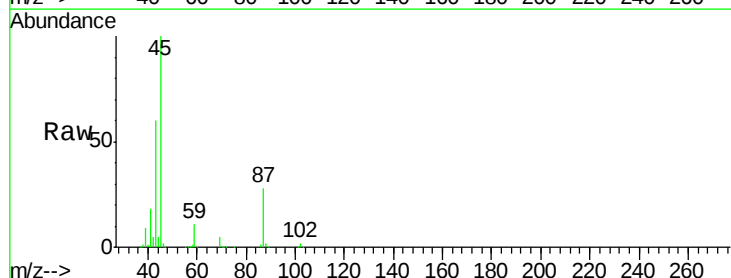
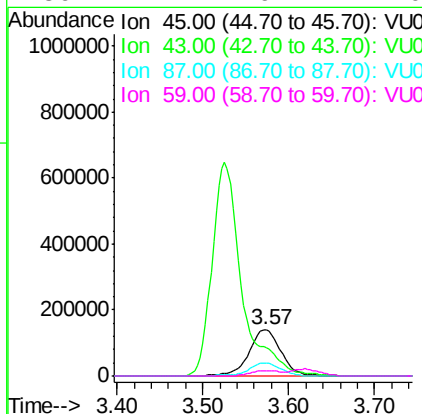
RT: 3.57 min Scan# 928

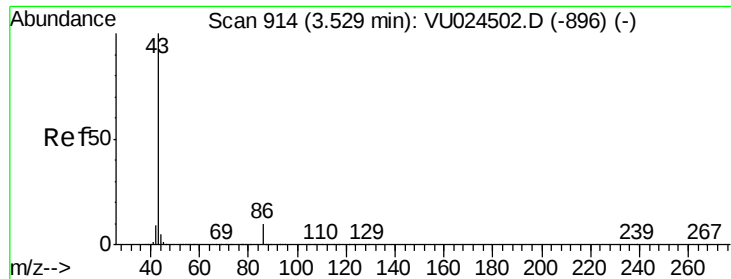
Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion:	45	Resp:	364379
Ion Ratio	Lower	Upper	
45	100		
43	58.7	45.8	68.6
87	28.1	20.6	31.0
59	11.4	9.4	14.0





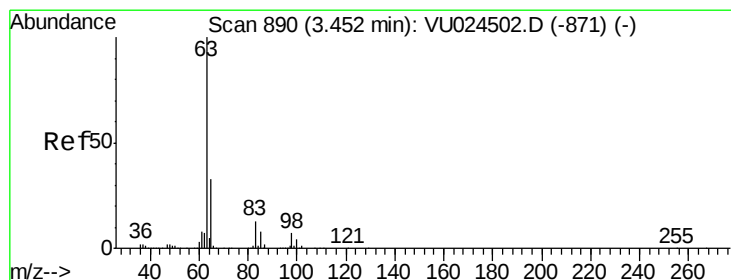
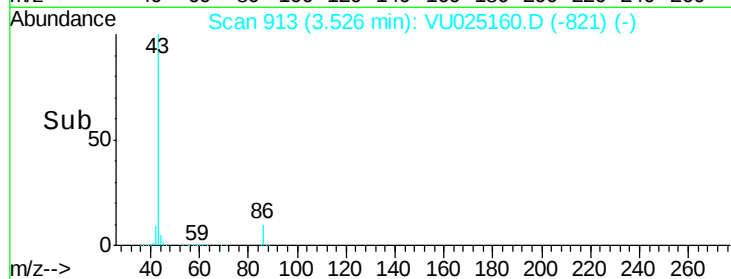
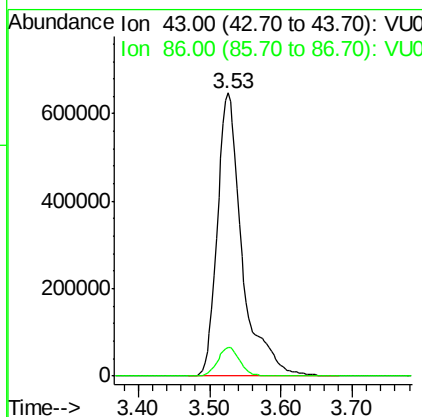
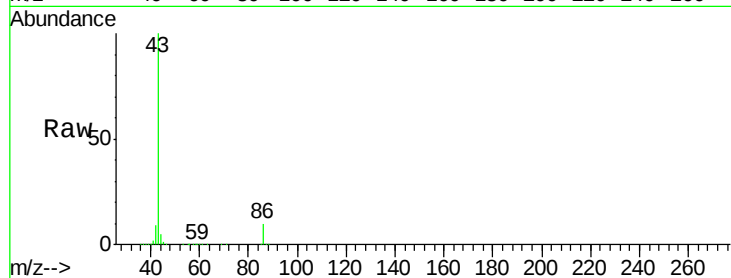
#23
 Vinyl Acetate
 Concen: 252.50 ug/l
 RT: 3.53 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1560890
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.8 11.8

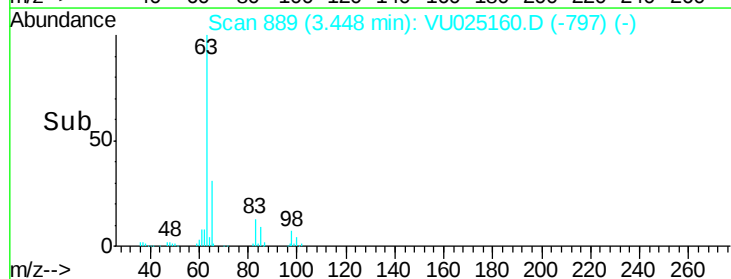
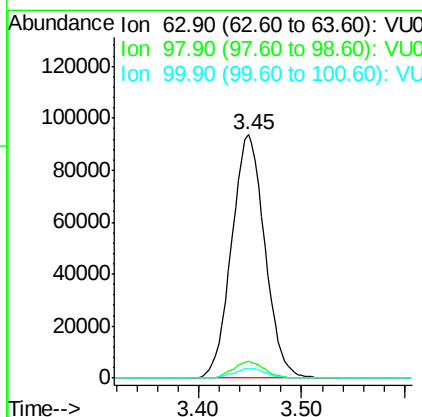
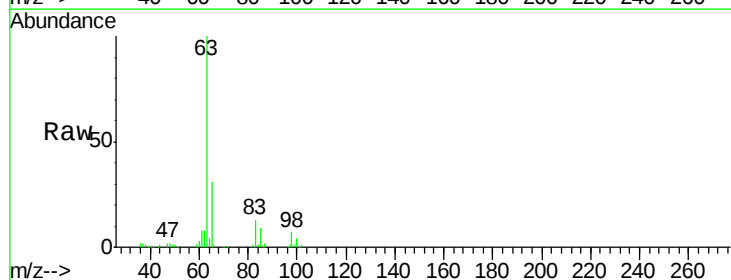
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 52.75 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion: 63 Resp: 209418
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.4
 100 3.9 1.8 5.5





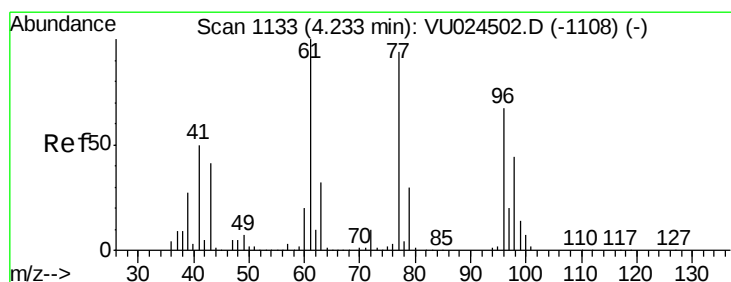
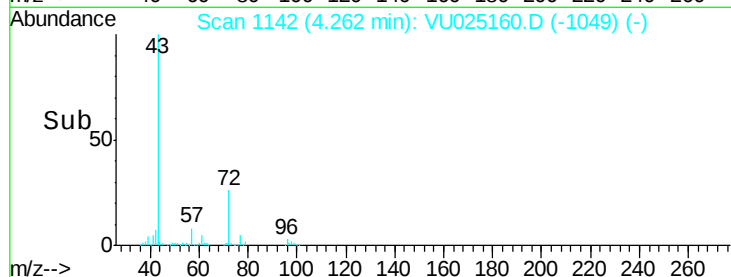
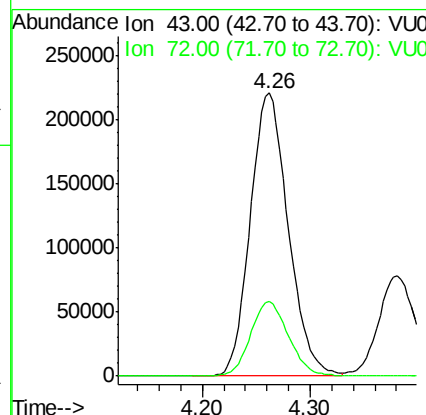
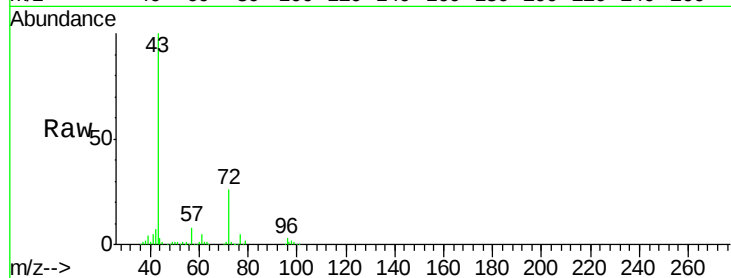
#25
2-Butanone
Concen: 277.16 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	537715
Ion Ratio	100	Lower	Upper
72	26.3	19.6	29.4

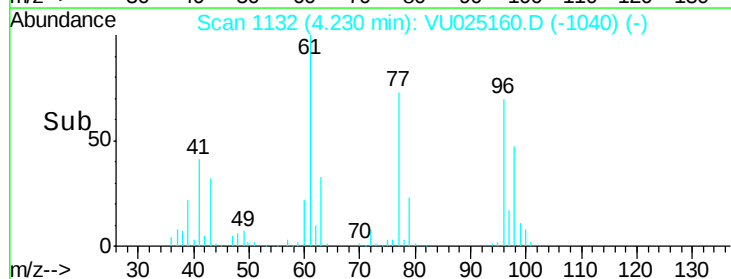
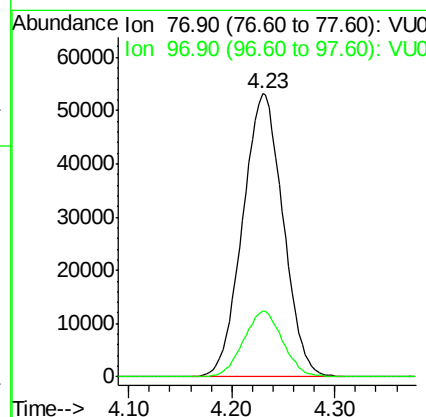
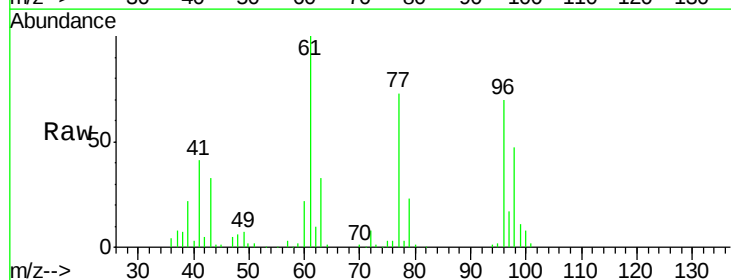
Manual Integrations
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sam
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#26
2,2-Dichloropropane
Concen: 38.44 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion	77	Resp	144892
Ion Ratio	100	Lower	Upper
97	22.4	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 52.60 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

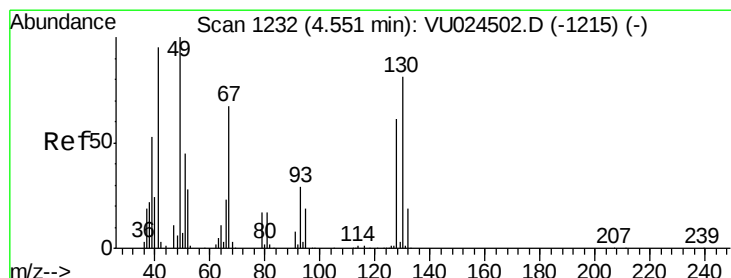
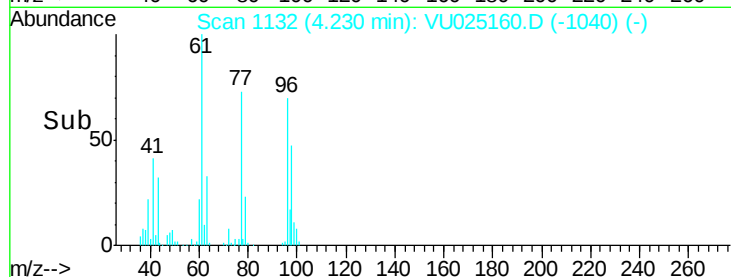
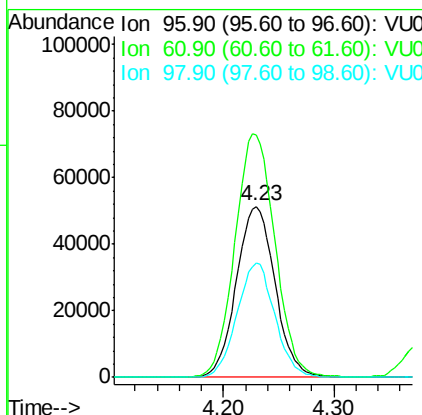
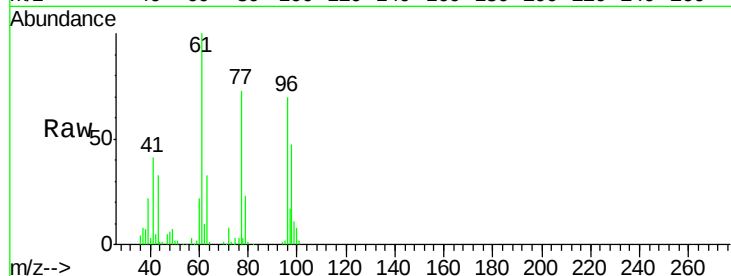
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	124879
Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	306.6
98	65.4	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 47.17 ug/l

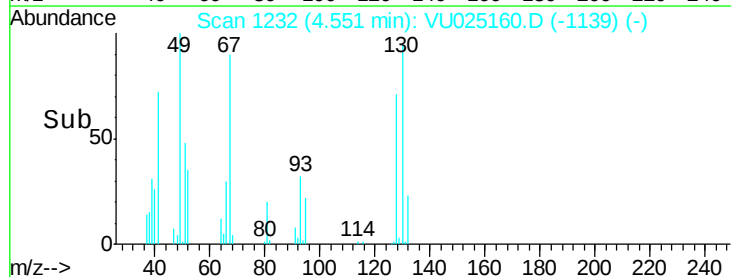
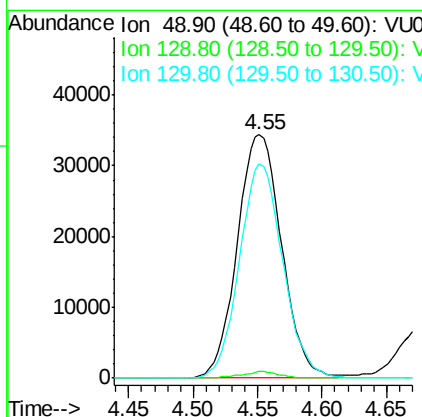
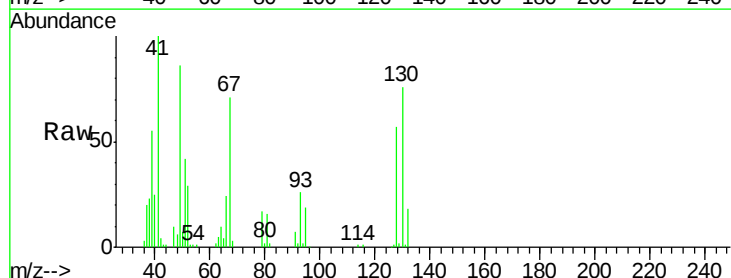
RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion:	49	Resp:	82477
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	86.1	57.8	86.6





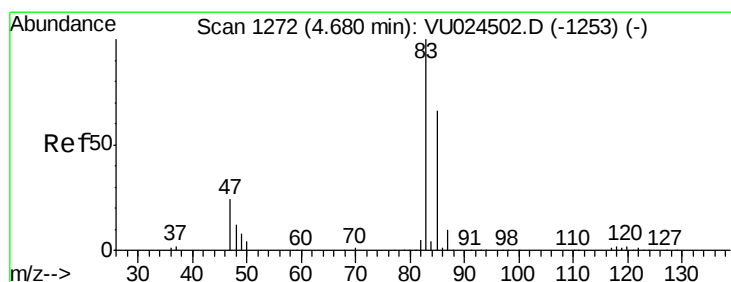
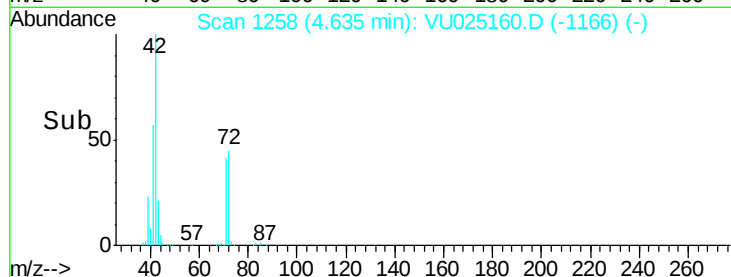
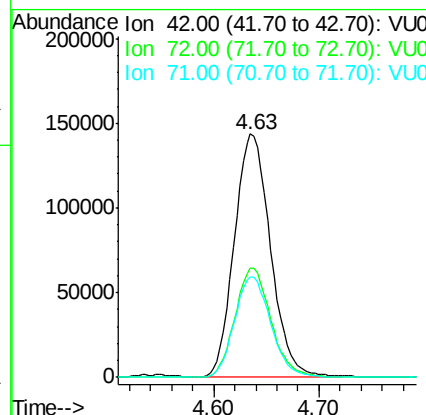
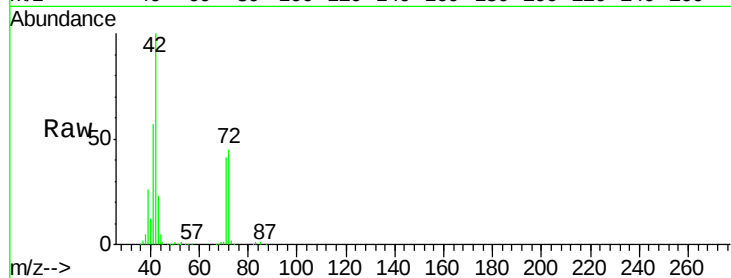
#29
Tetrahydrofuran
Concen: 283.02 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	34.5	51.7
71	41.8	32.2	48.4

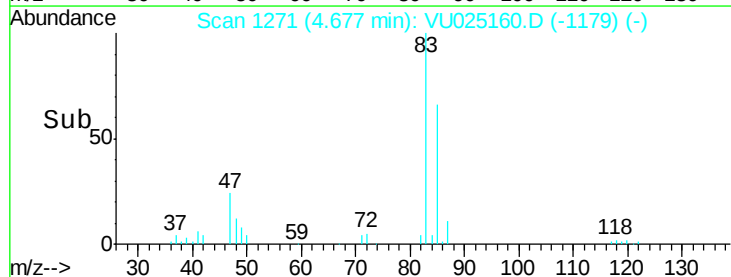
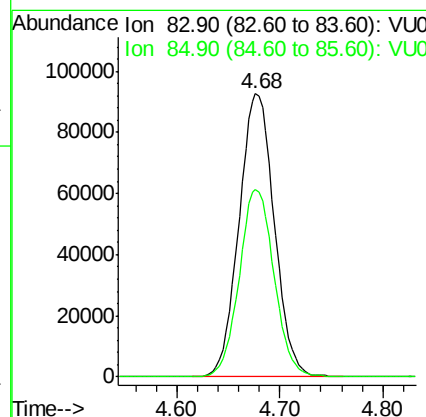
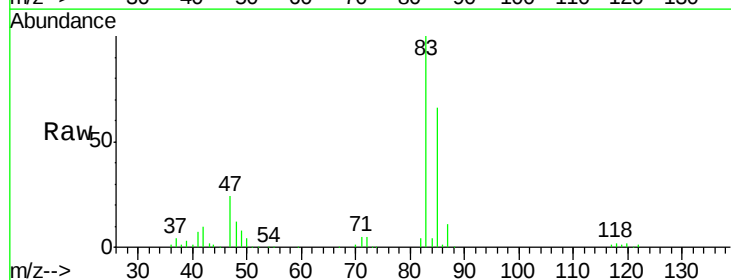
Manual Integrations
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#30
Chloroform
Concen: 54.86 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.4	78.6





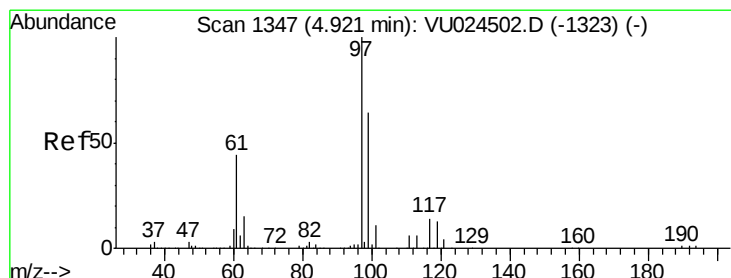
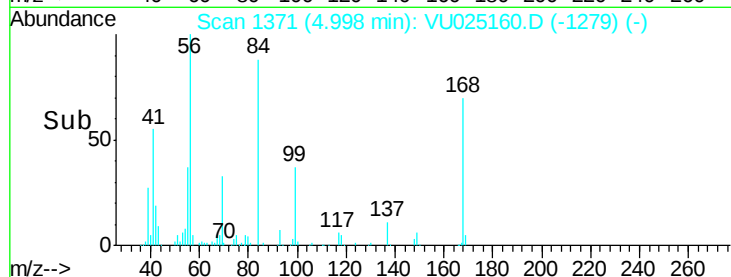
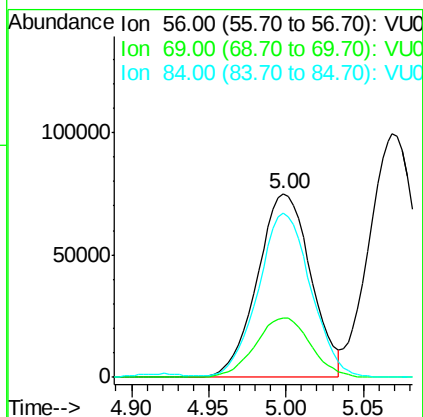
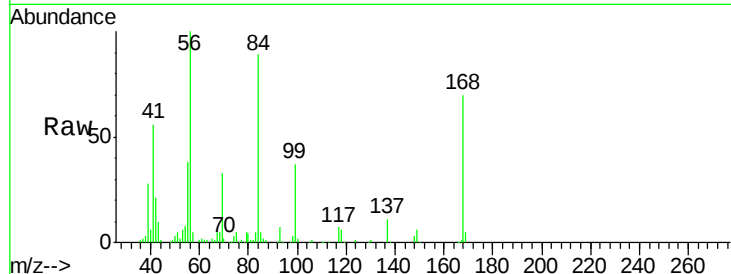
#31
Cyclohexane
Concen: 51.35 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	24.8	37.2
84	88.4	65.2	97.8

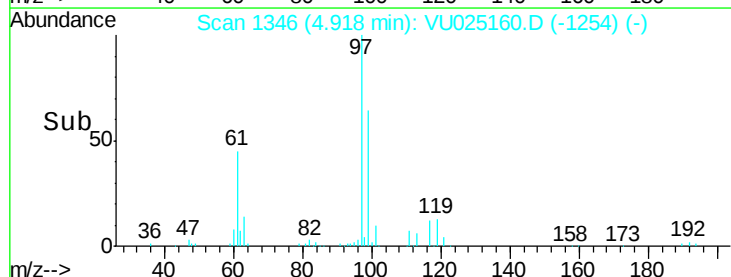
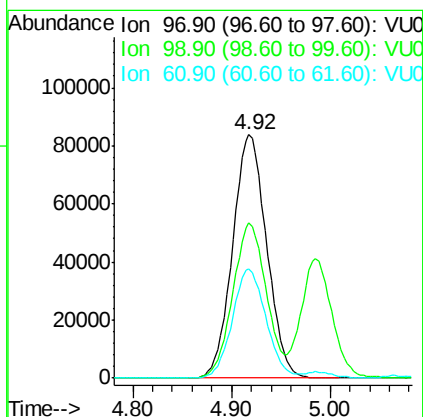
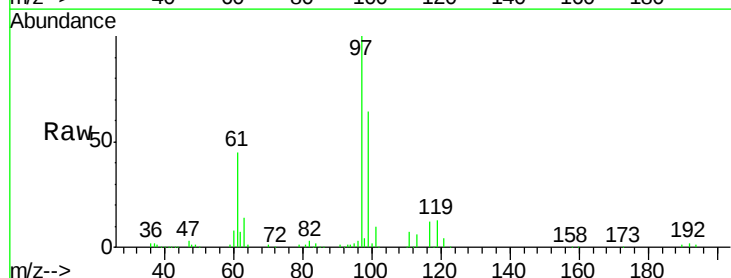
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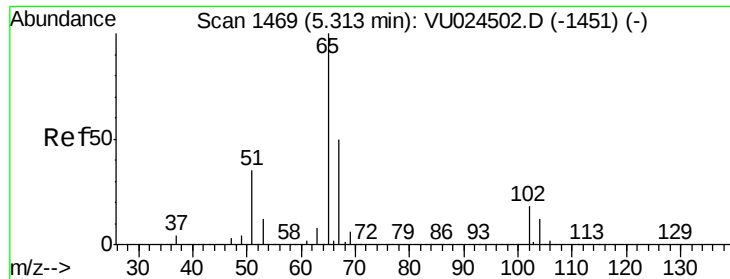
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#32
1,1,1-Trichloroethane
Concen: 54.03 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.0	76.6
61	44.4	39.4	59.0





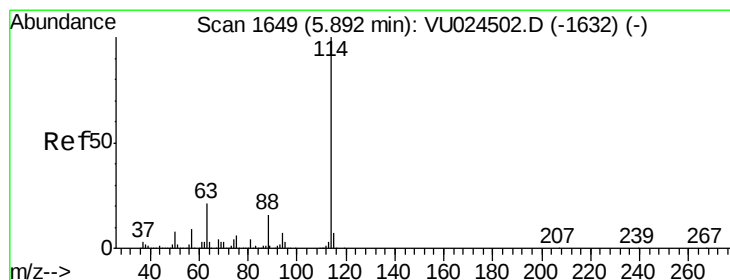
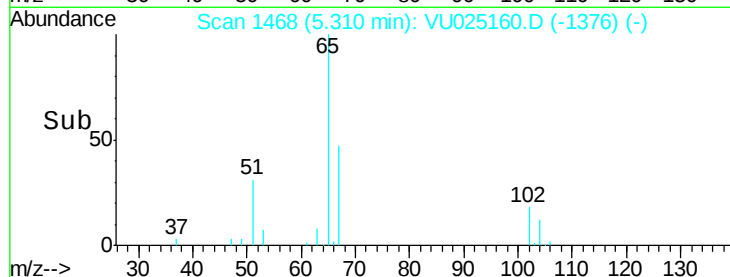
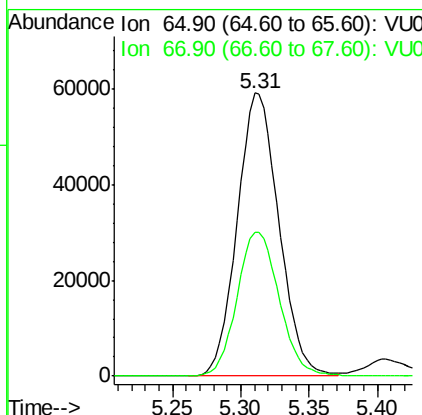
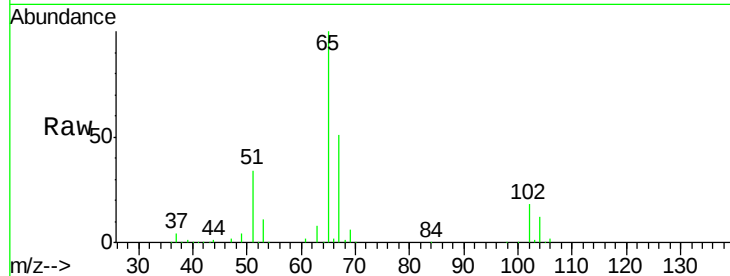
#33
 1,2-Dichloroethane-d4
 Concen: 46.60 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	107.0

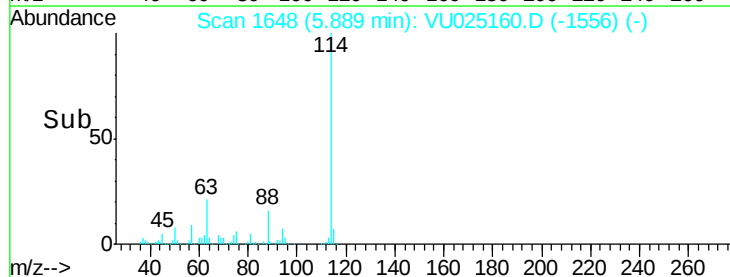
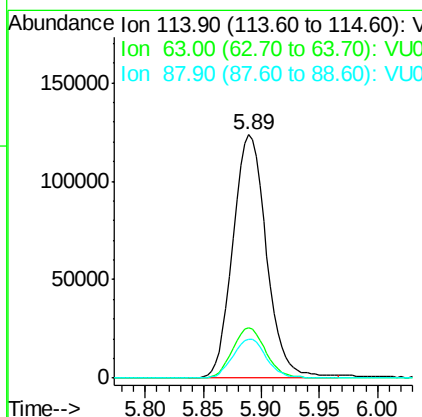
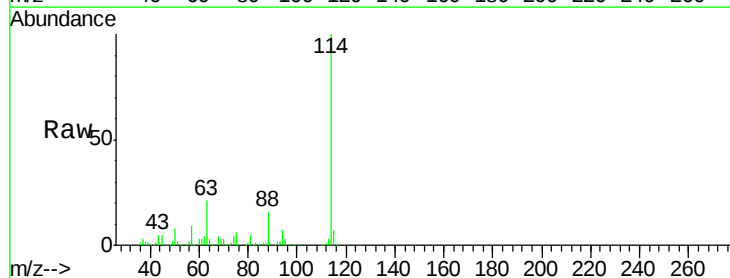
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	45.4
88	16.0	0.0	31.0





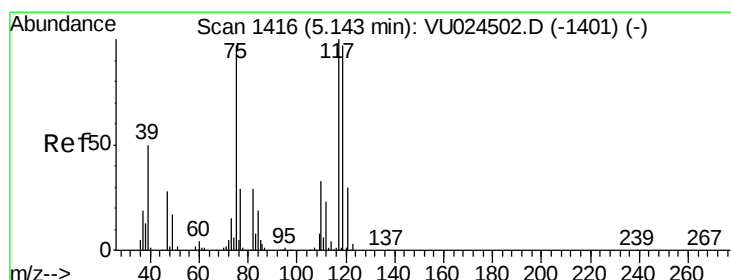
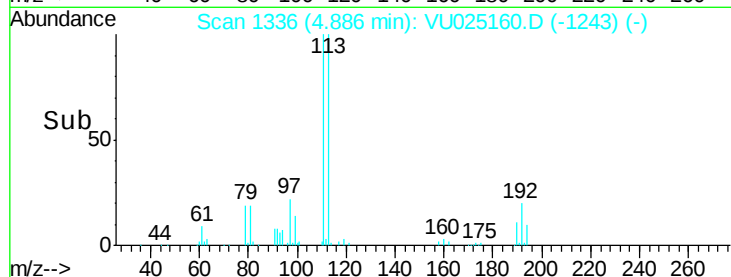
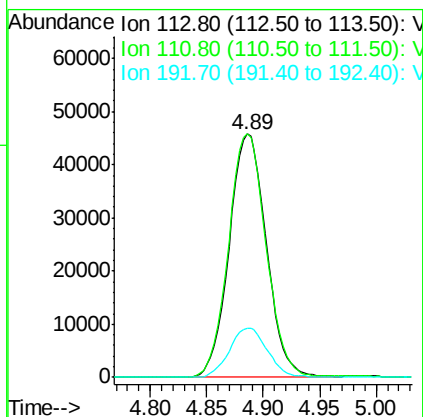
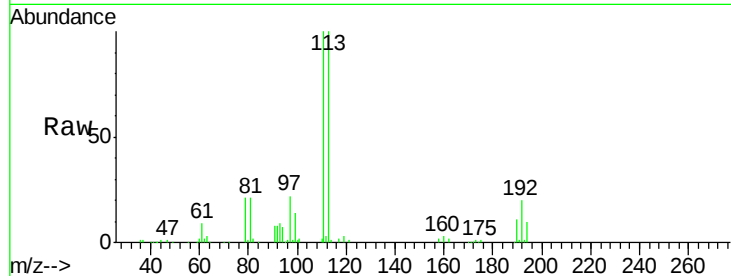
#35
 Dibromofluoromethane
 Concen: 50.72 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.2	123.4
192	20.6	16.2	24.4

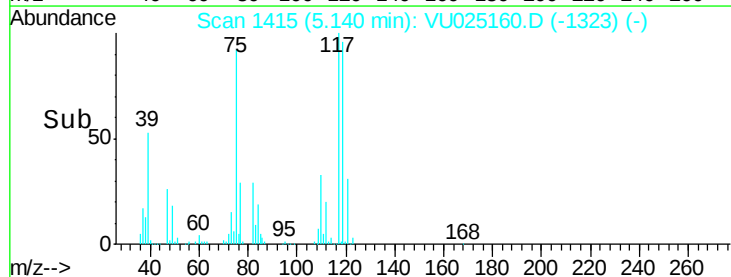
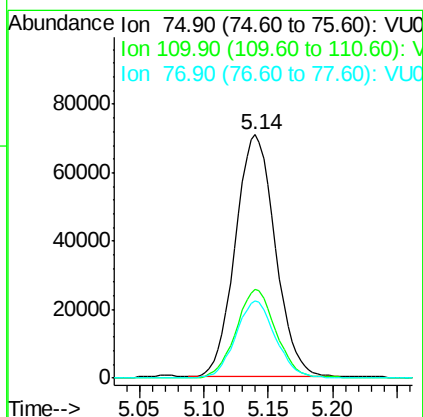
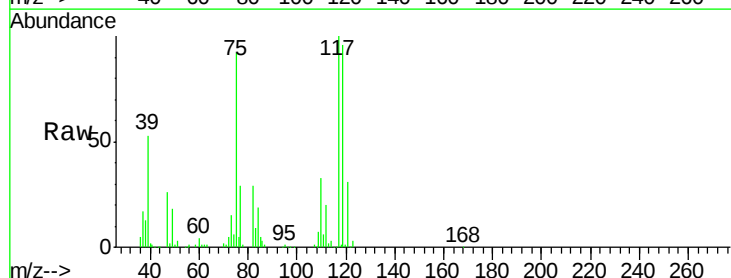
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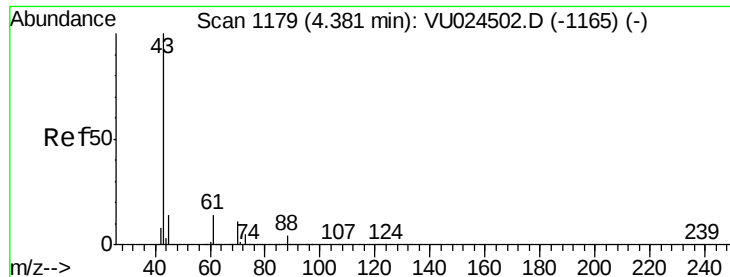
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#36
 1,1-Dichloropropene
 Concen: 52.27 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.0	50.9
77	31.1	24.2	36.4





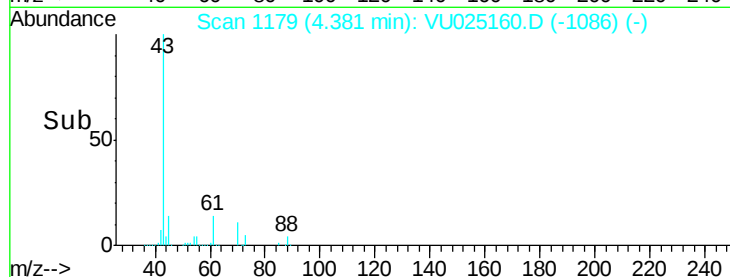
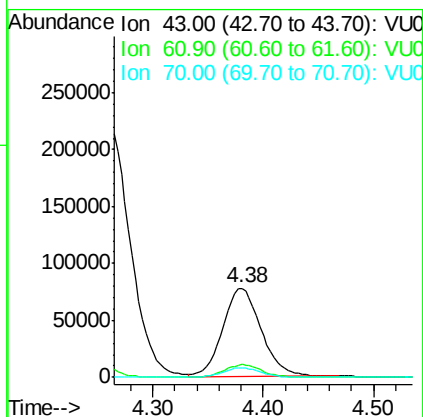
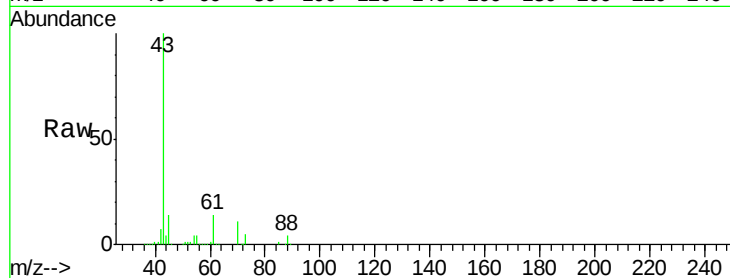
#37
Ethyl Acetate
Concen: 59.13 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.5	15.7
70	10.6	7.4	11.2

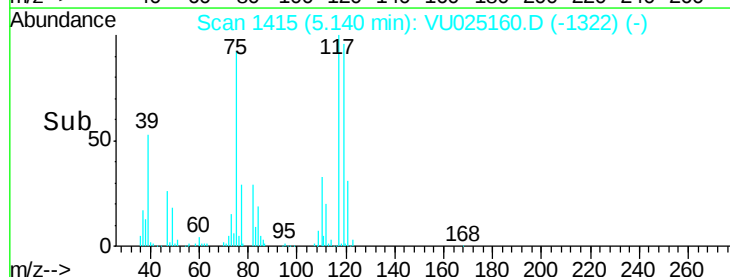
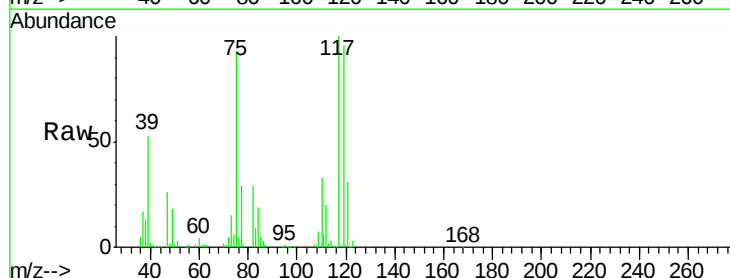
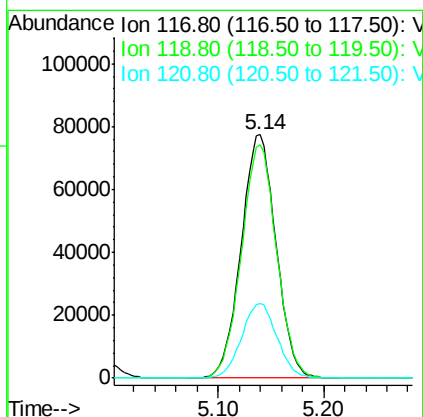
Manual Integrations
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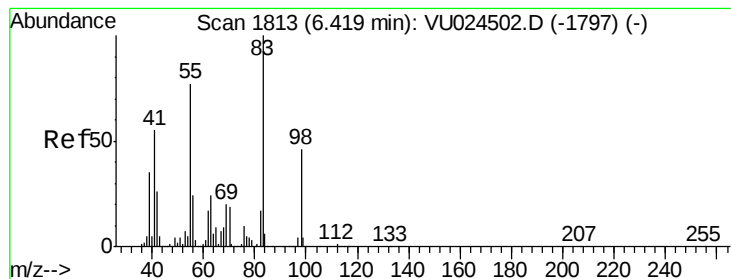
sam
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#38
Carbon Tetrachloride
Concen: 55.46 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.1	114.1
121	30.7	23.7	35.5





#39

Methvlcvclohexane

Concen: 50.65 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

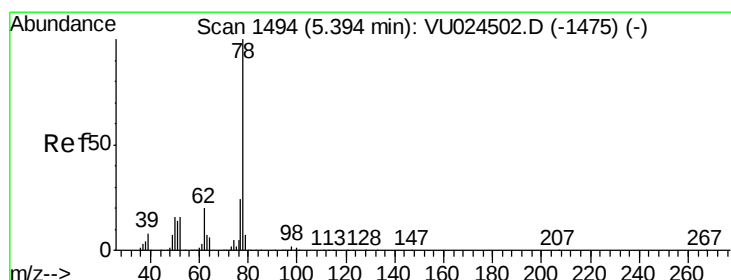
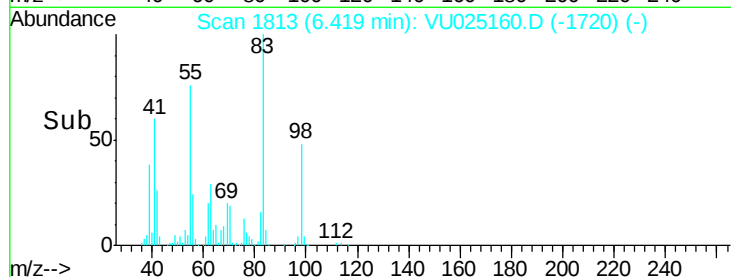
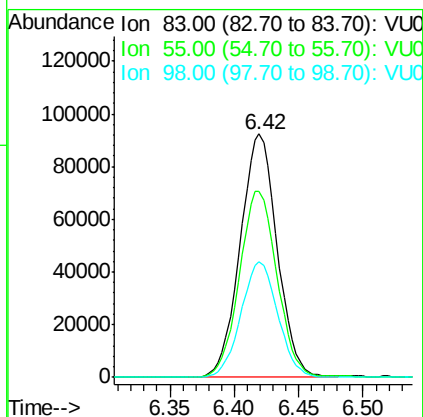
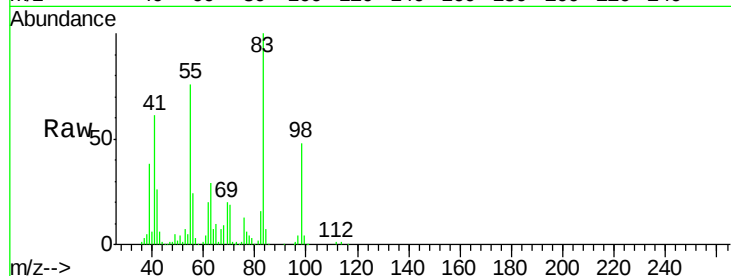
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	184717
Ion	Ratio	Lower	Upper
83	100		
55	76.3	65.8	98.6
98	47.6	36.7	55.1

Manual Integrations
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#40

Benzene

Concen: 54.63 ug/l

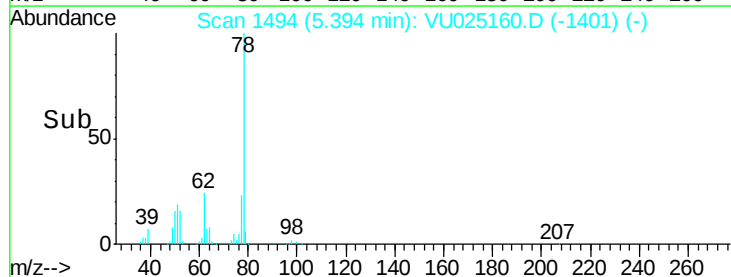
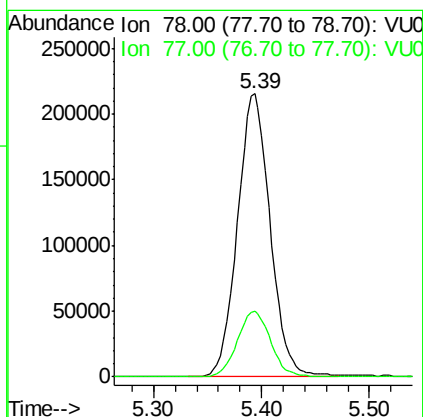
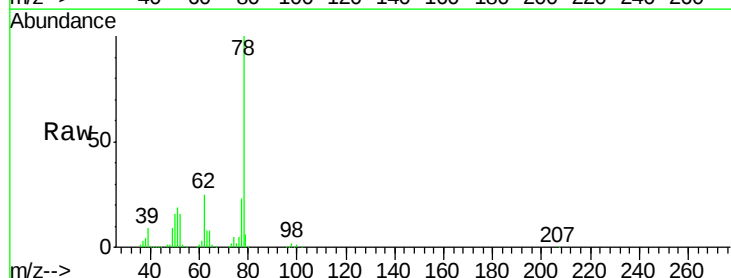
RT: 5.39 min Scan# 1494

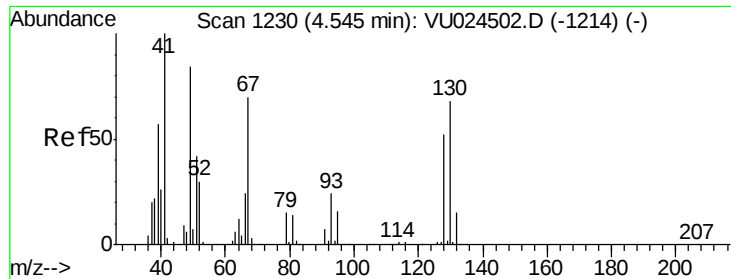
Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion:	78	Resp:	454909
Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8





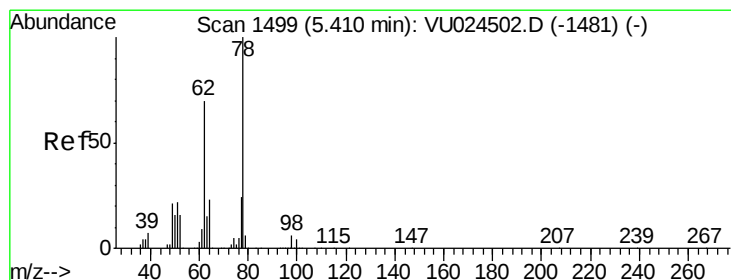
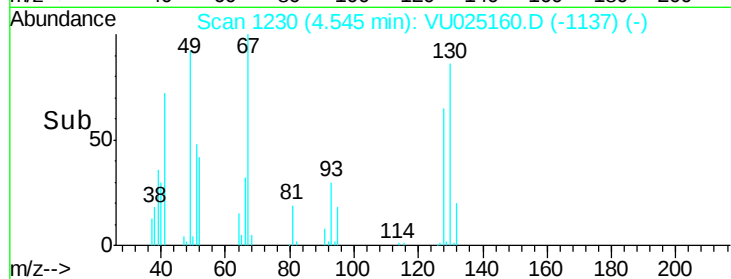
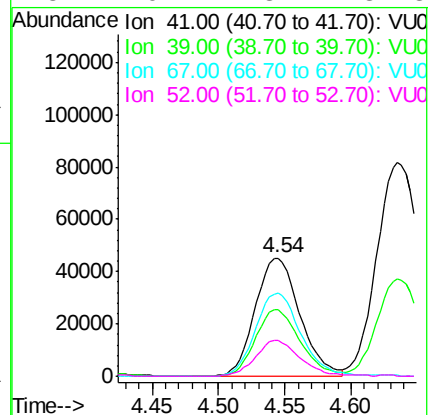
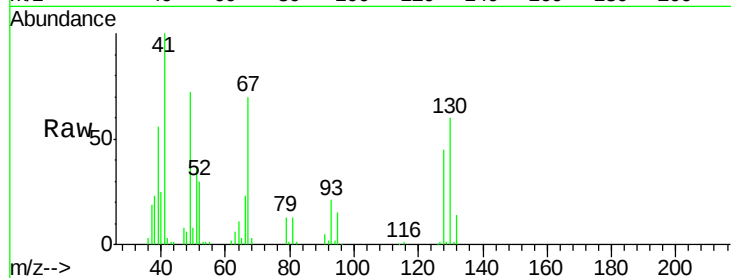
#41
Methacrylonitrile
Concen: 62.03 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.3	43.8	65.6	
67	71.1	56.3	84.5	
52	29.7	23.2	34.8	

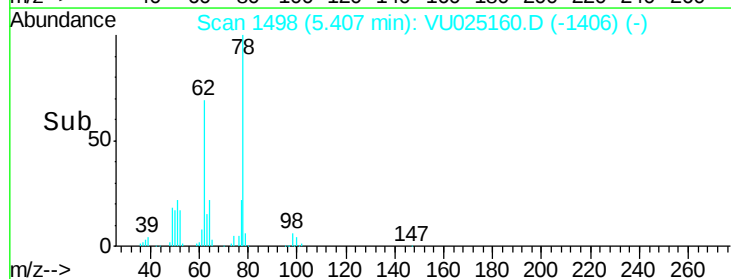
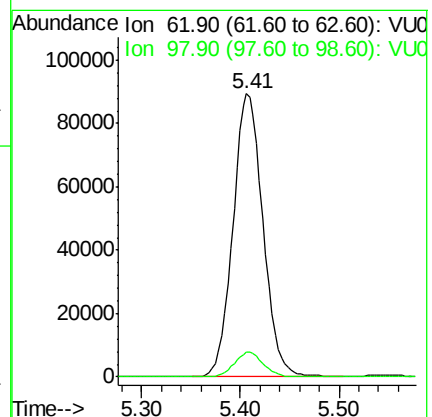
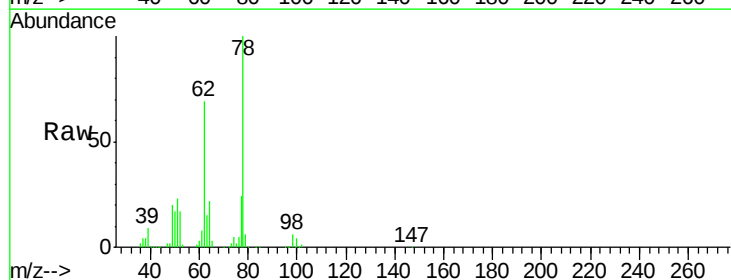
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 59.71 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.6	





#43

Isopropyl Acetate

Concen: 55.75 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

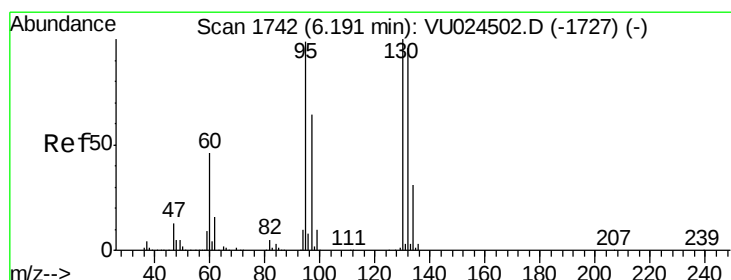
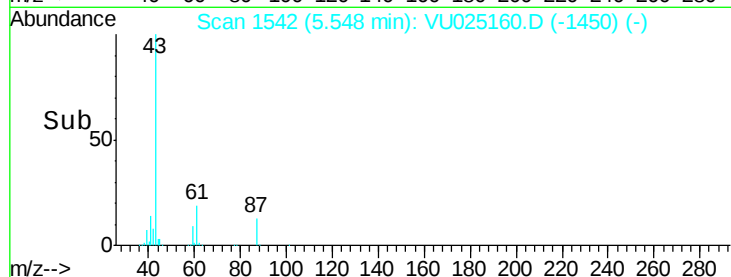
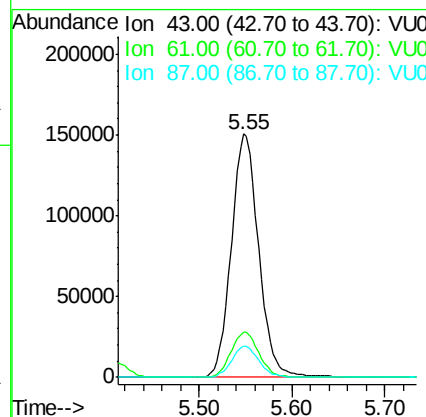
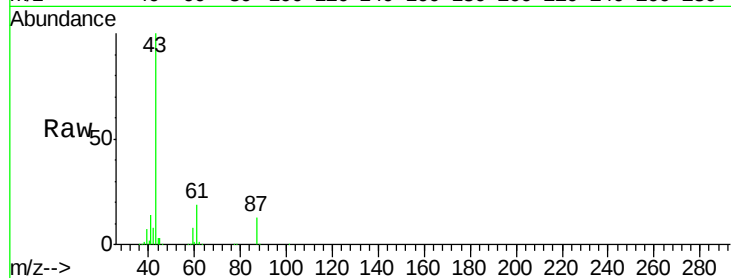
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	306957
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.4	23.0
87	12.9	10.0	15.0

Manual Integrations
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#44

Trichloroethene

Concen: 52.58 ug/l

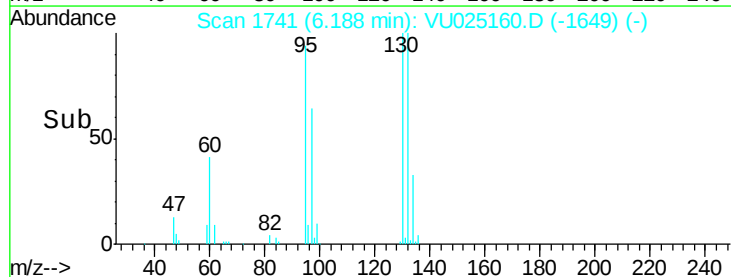
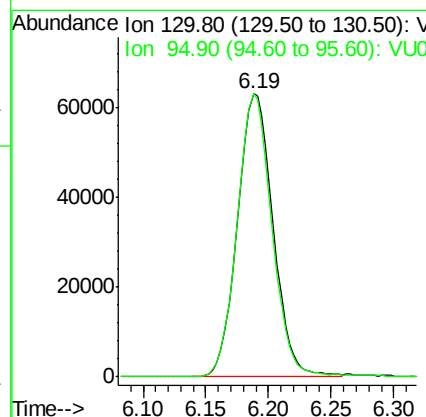
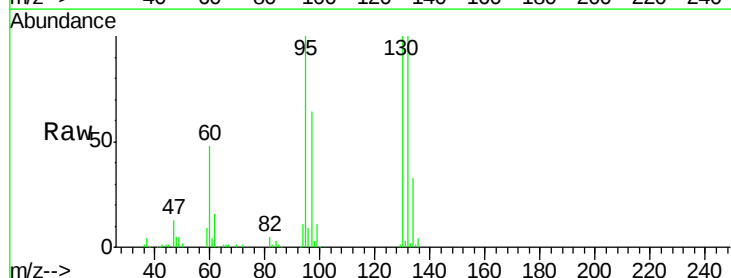
RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion:	130	Resp:	124625
Ion	Ratio	Lower	Upper
130	100		
95	99.9	0.0	202.4





#45

1,2-Dichloropropane

Concen: 55.40 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 123089

Ion Ratio Lower Upper

63 100

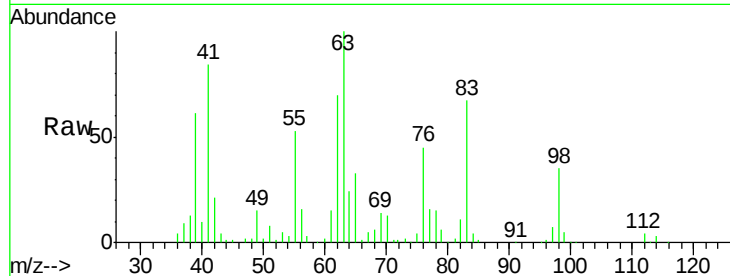
65 33.0 24.8 37.2

Manual Integrations

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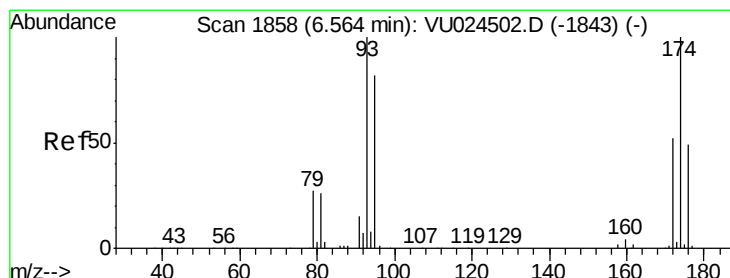
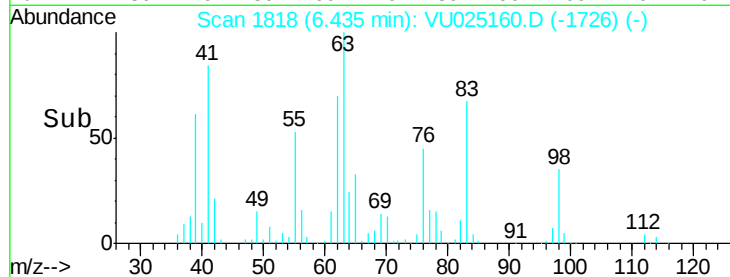
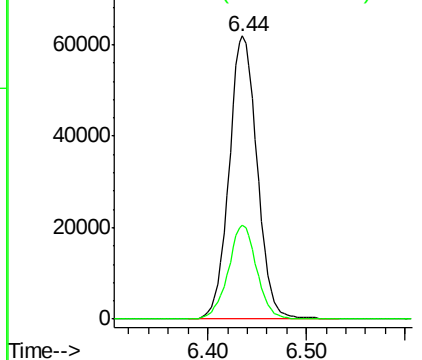
sam

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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 57.40 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

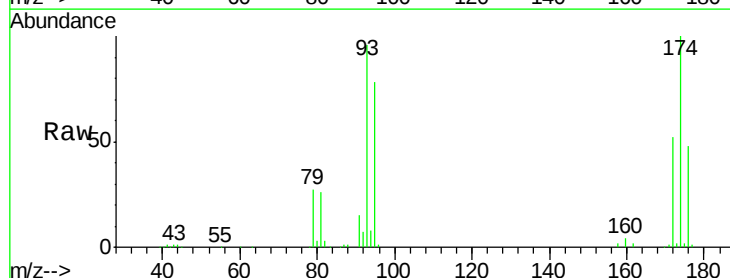
Tgt Ion: 93 Resp: 89589

Ion Ratio Lower Upper

93 100

95 81.3 65.5 98.3

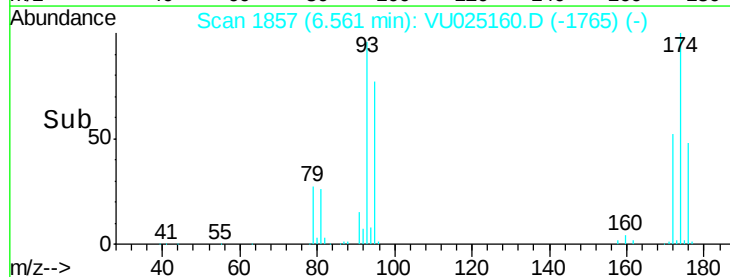
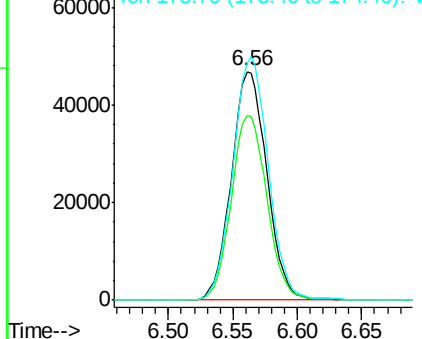
174 106.3 78.7 118.1



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.48 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

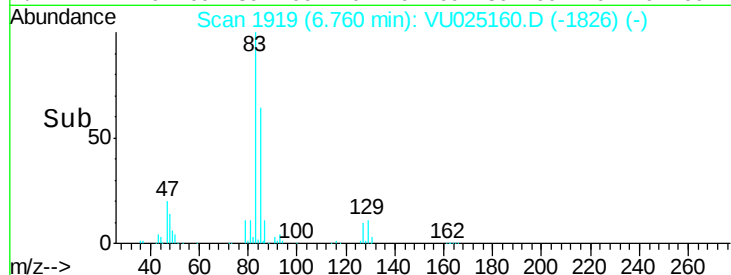
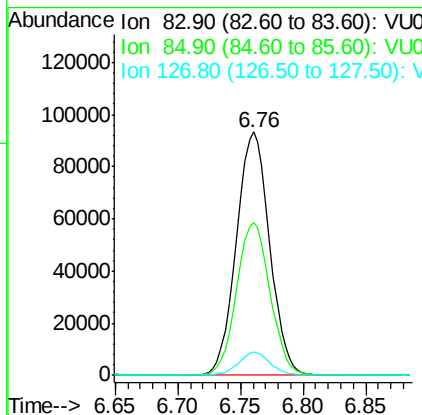
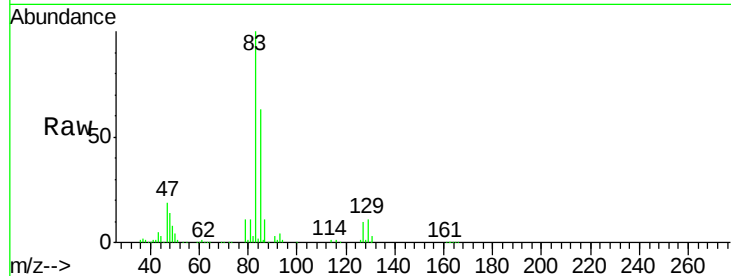
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	172415
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.9	77.9
127	9.6	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 59.39 ug/l

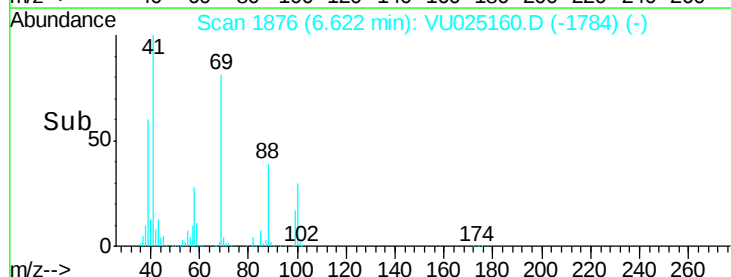
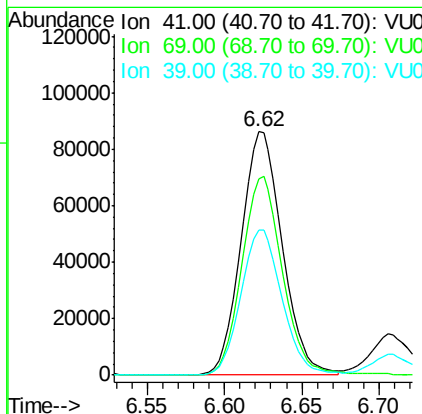
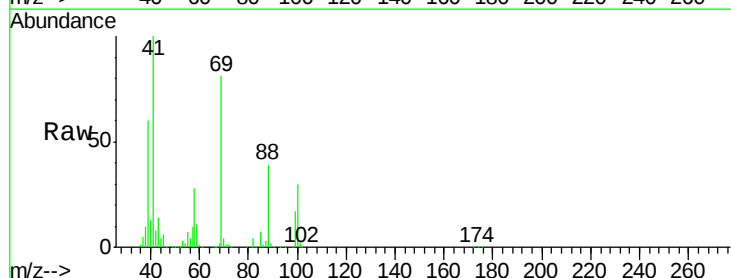
RT: 6.62 min Scan# 1876

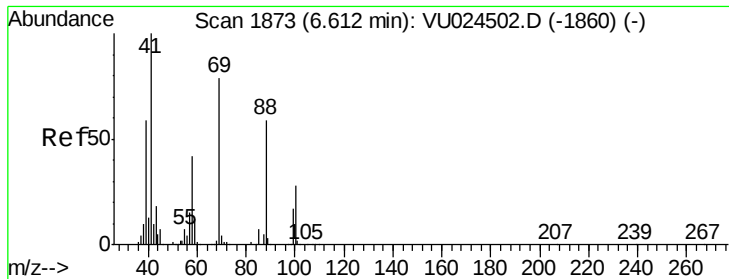
Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion:	41	Resp:	159220
Ion Ratio	Lower	Upper	
41	100		
69	81.2	67.3	100.9
39	59.3	46.5	69.7





#49

1,4-Dioxane

Concen: 1501.24 ug/l

RT: 6.62 min Scan# 1874

Delta R.T. 0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

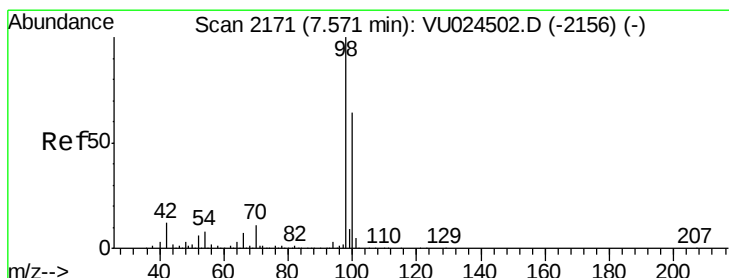
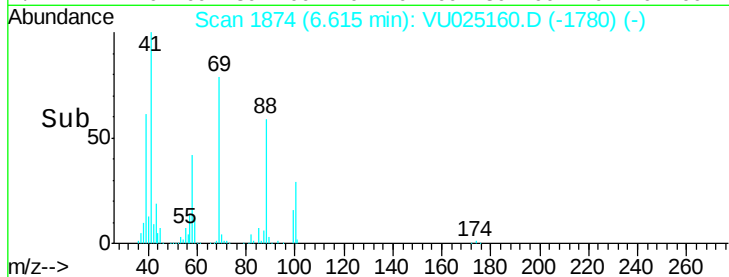
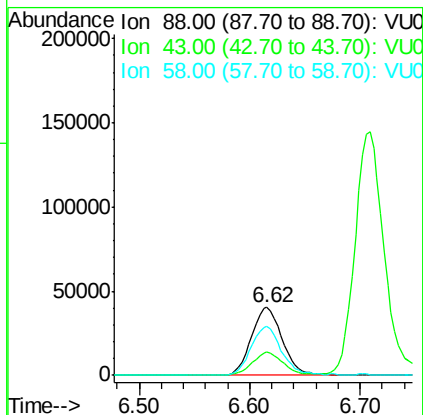
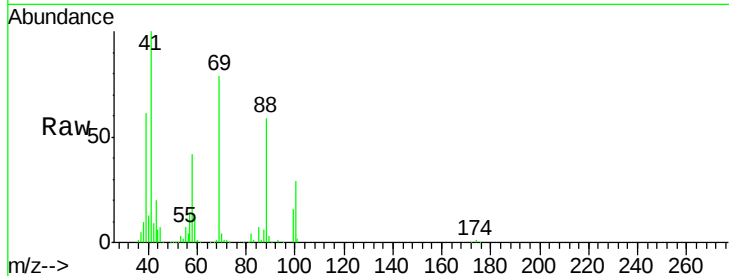
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	78713
Ion Ratio	Lower	Upper	
88	100		
43	32.9	28.6	42.8
58	71.0	58.2	87.4

Manual Integrations
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#50

Toluene-d8

Concen: 43.37 ug/l

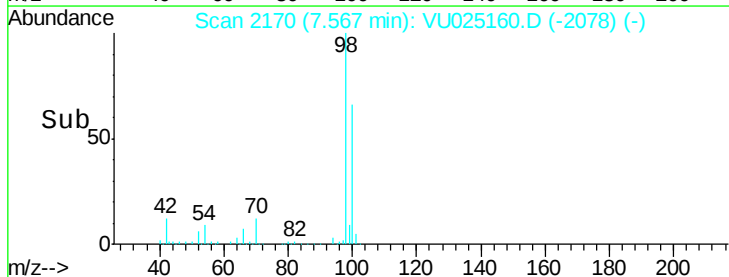
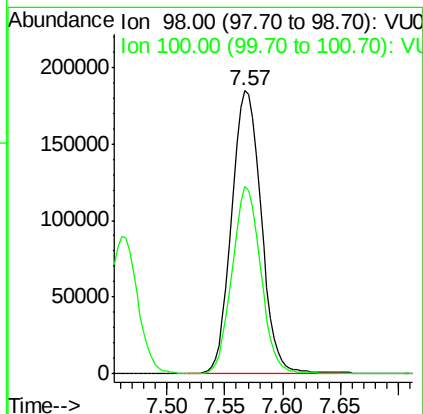
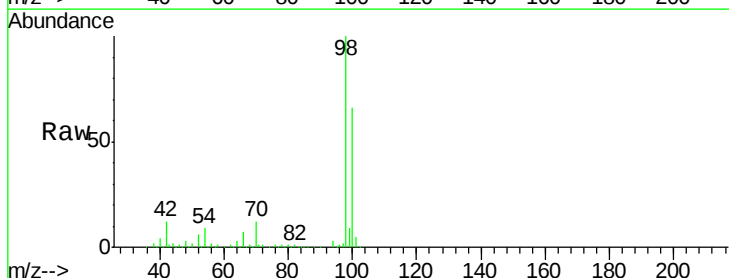
RT: 7.57 min Scan# 2170

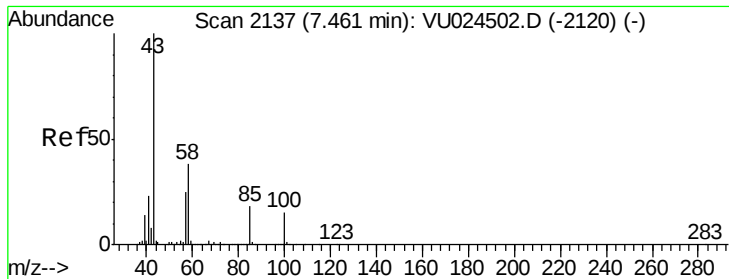
Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion:	98	Resp:	326557
Ion Ratio	Lower	Upper	
98	100		
100	63.3	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 295.67 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1022747

Ion Ratio Lower Upper

43 100

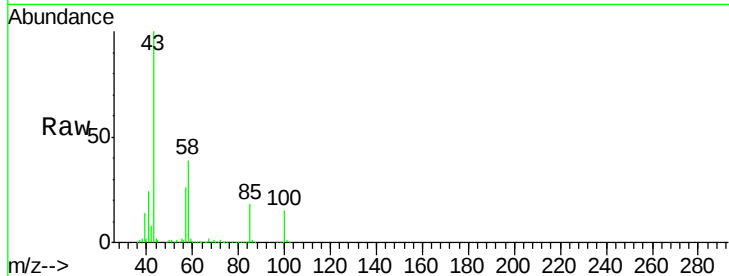
58 38.6 30.0 45.0

Manual Integrations

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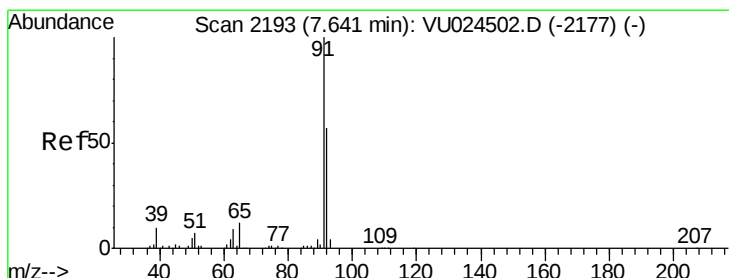
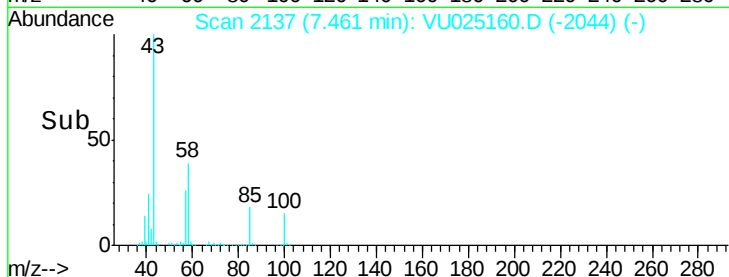
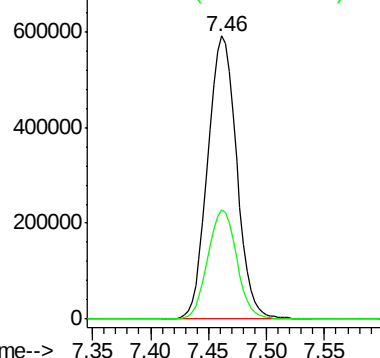
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 54.98 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025160.D

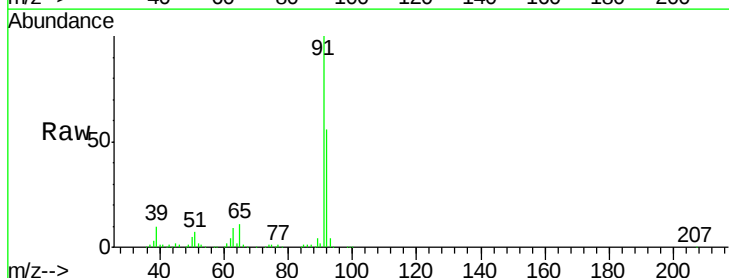
Acq: 02 Jul 2018 22:32

Tgt Ion: 92 Resp: 294588

Ion Ratio Lower Upper

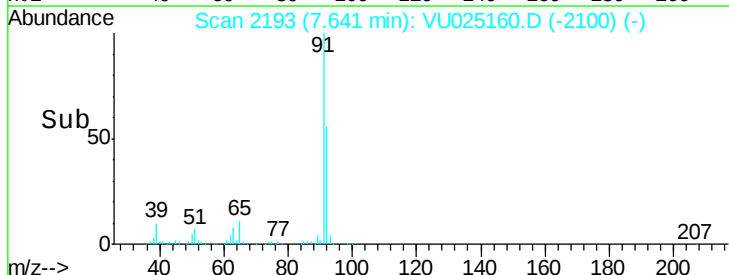
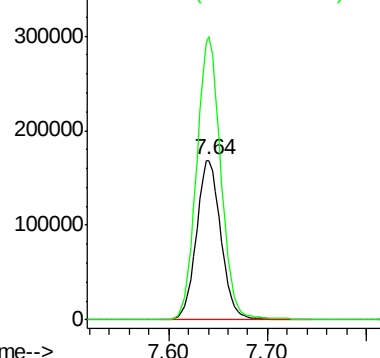
92 100

91 176.1 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 51.50 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 179745

Ion Ratio Lower Upper

75 100

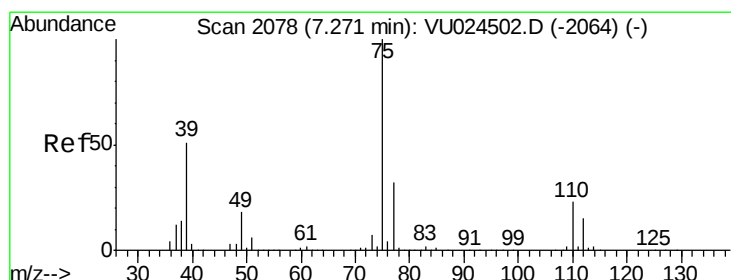
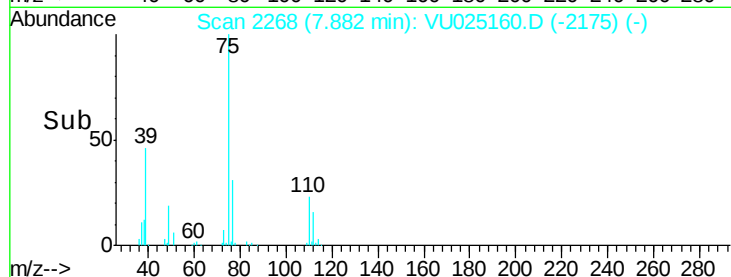
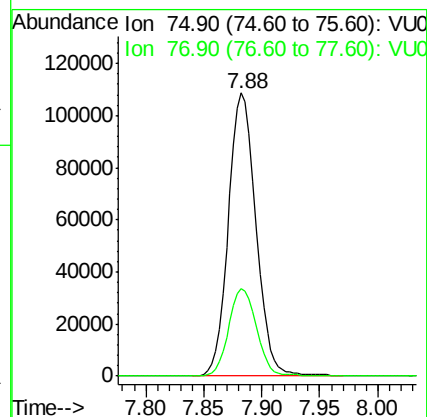
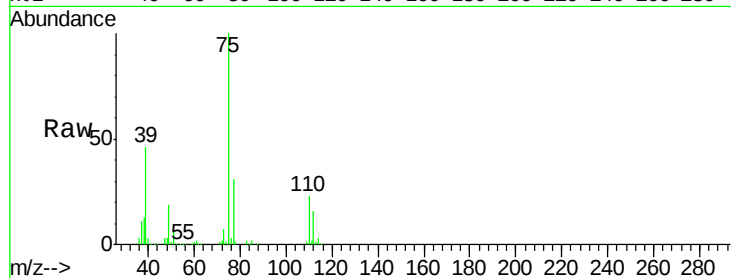
77 30.7 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 51.30 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

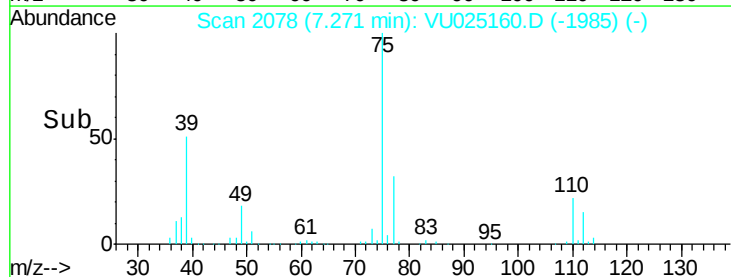
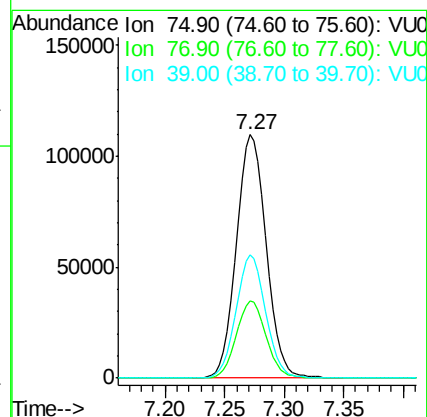
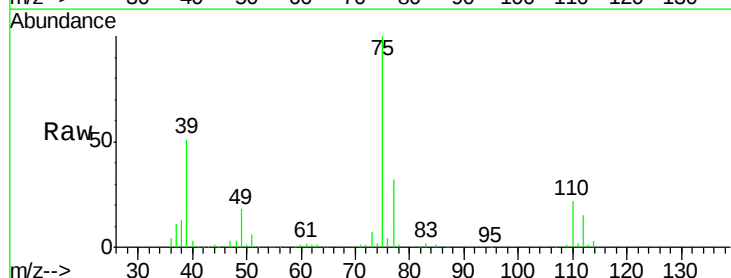
Tgt Ion: 75 Resp: 190789

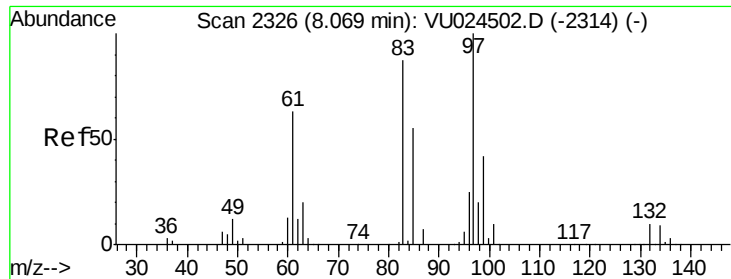
Ion Ratio Lower Upper

75 100

77 31.6 24.6 36.8

39 50.8 39.8 59.6





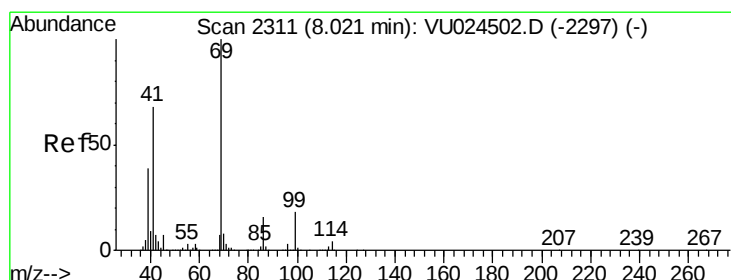
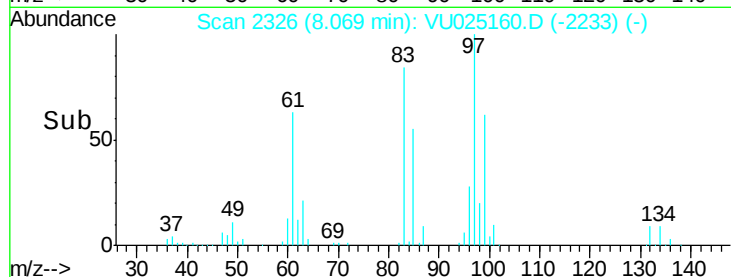
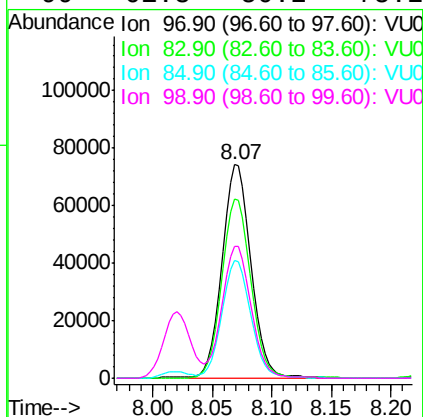
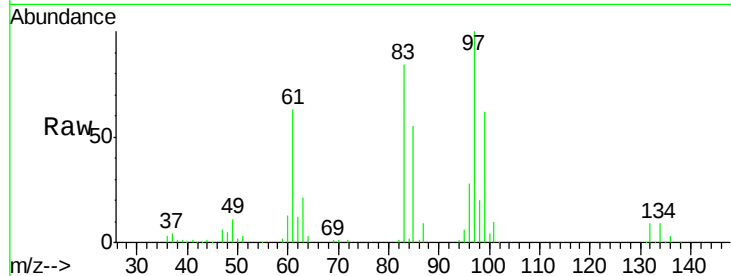
#55
 1,1,2-Trichloroethane
 Concen: 56.96 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		124056		
83	84.1	70.5	105.7		
85	55.2	46.4	69.6		
99	61.8	50.2	75.2		

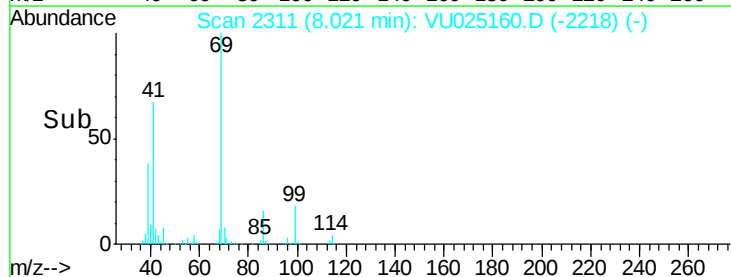
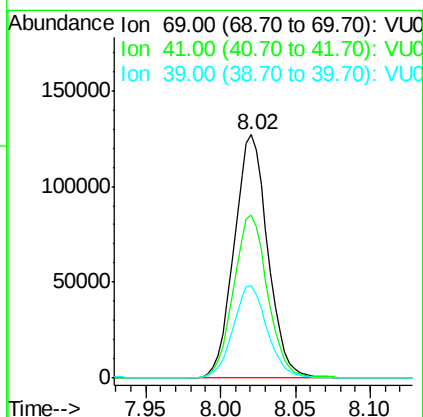
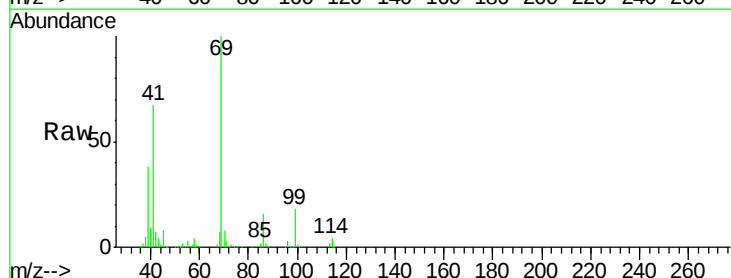
Manual Integrations
 APPROVED

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#56
 Ethyl methacrylate
 Concen: 54.55 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		198855		
41	68.2	54.1	81.1		
39	38.3	30.3	45.5		





#57

1,3-Dichloropropane

Concen: 57.12 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 209844

Ion Ratio Lower Upper

76 100

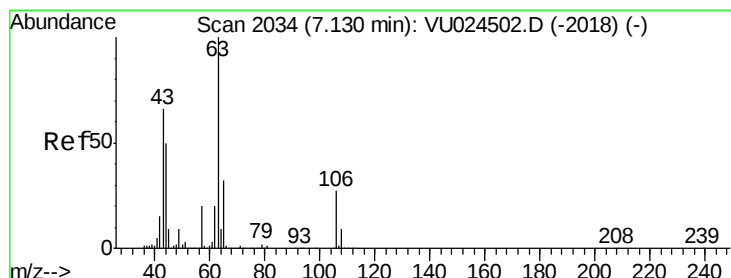
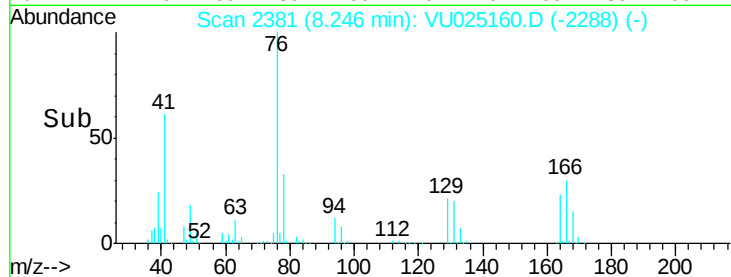
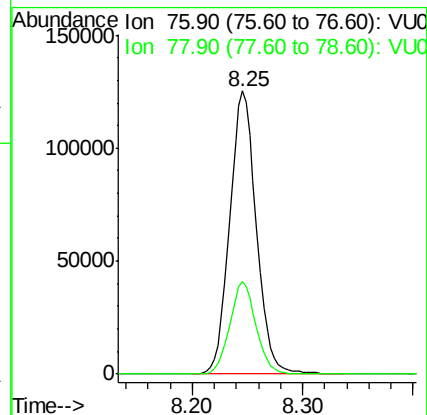
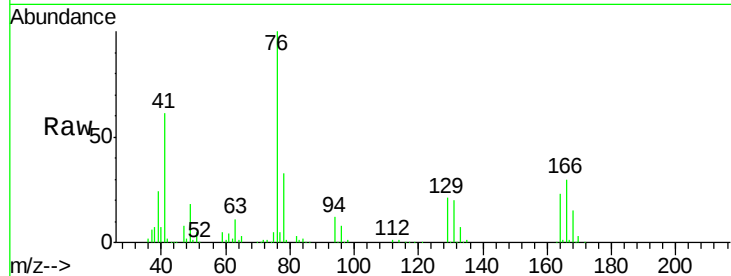
78 32.3 25.2 37.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 256.61 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU025160.D

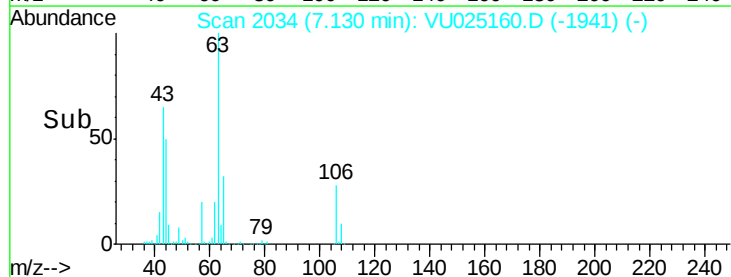
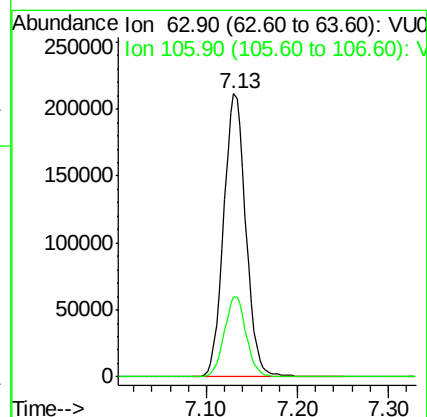
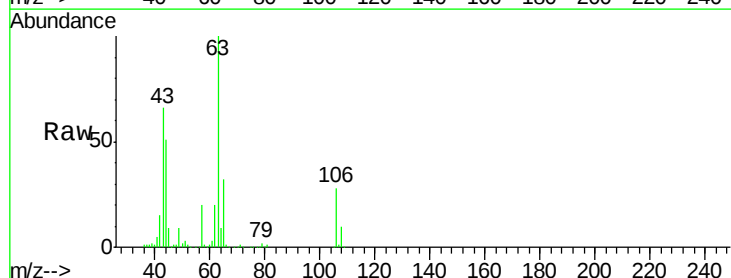
Acq: 02 Jul 2018 22:32

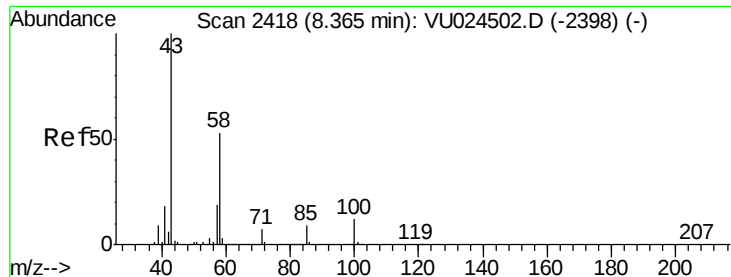
Tgt Ion: 63 Resp: 358341

Ion Ratio Lower Upper

63 100

106 27.9 20.2 30.2





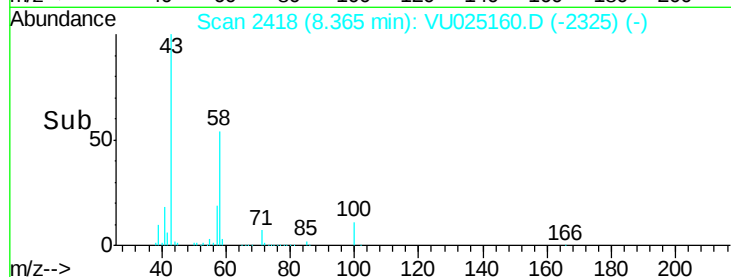
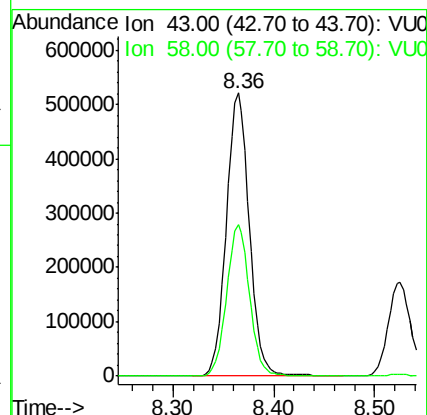
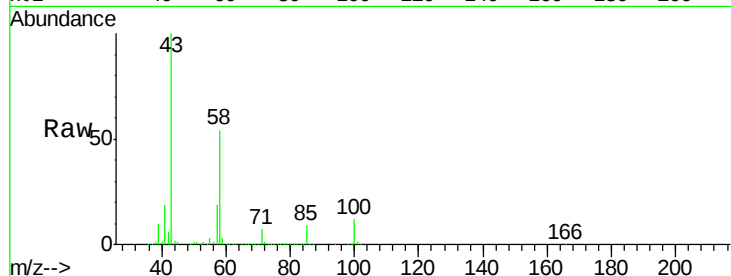
#59
2-Hexanone
Concen: 293.61 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.4	79.0

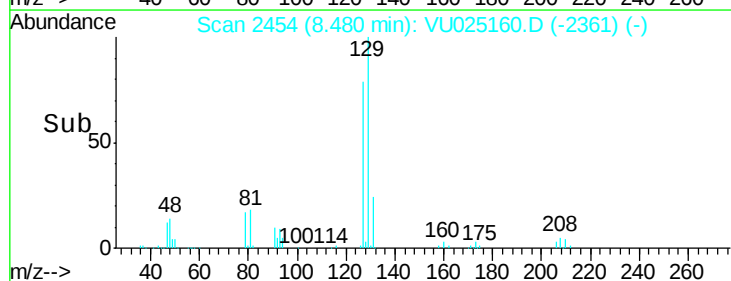
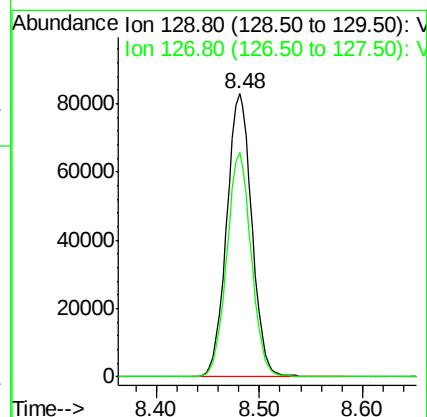
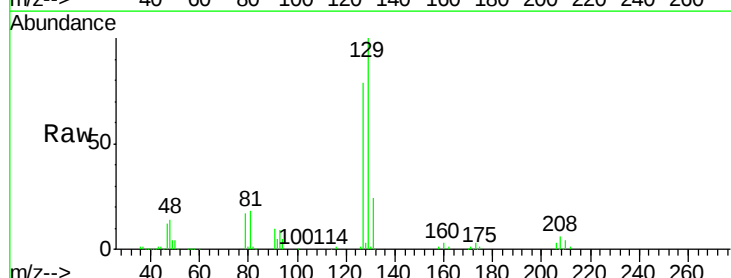
Manual Integrations
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#60
Dibromochloromethane
Concen: 51.92 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	116.0





#61

1,2-Dibromoethane

Concen: 56.38 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 136654

Ion Ratio Lower Upper

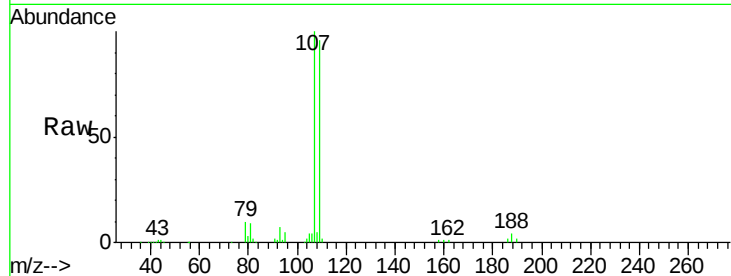
107 100

109 94.8 74.5 111.7

Manual Integrations
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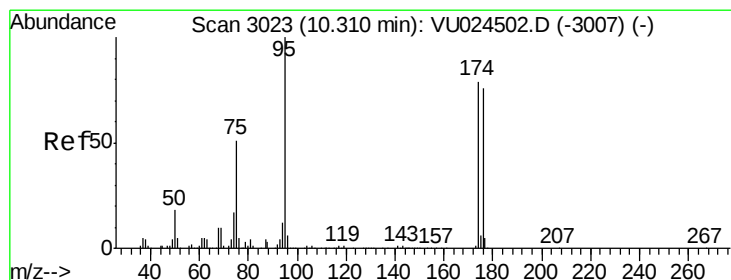
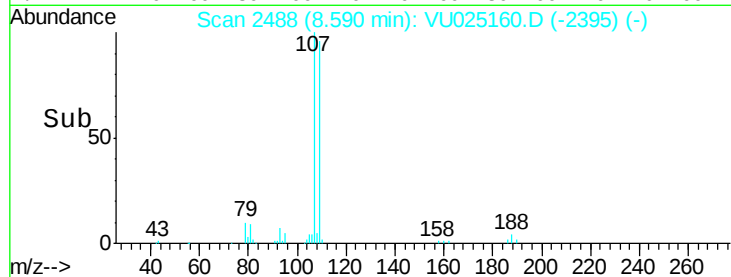
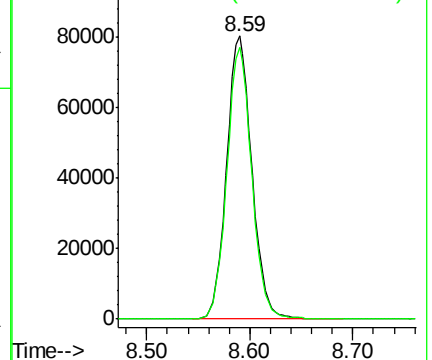
sam

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.18 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

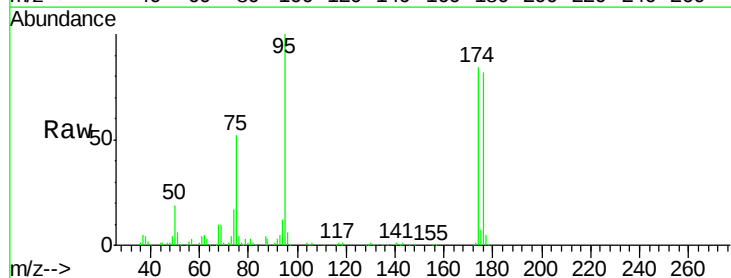
Tgt Ion: 95 Resp: 144022

Ion Ratio Lower Upper

95 100

174 85.6 0.0 165.8

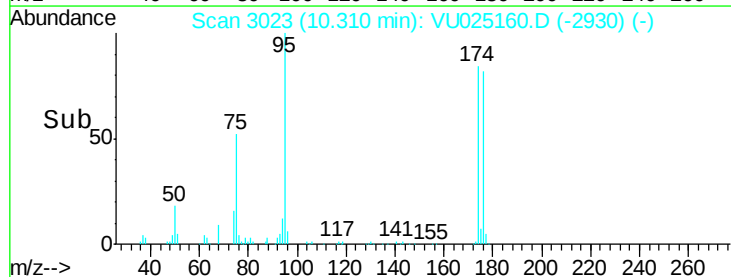
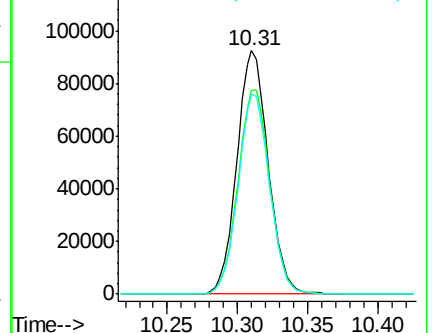
176 82.5 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





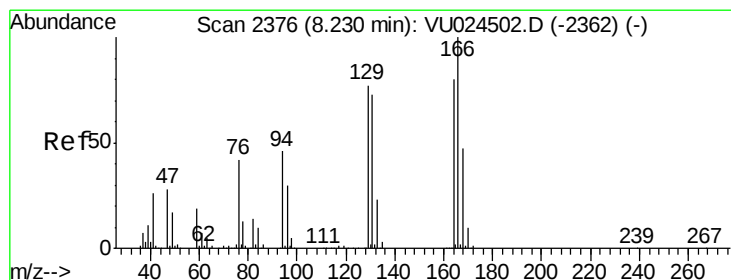
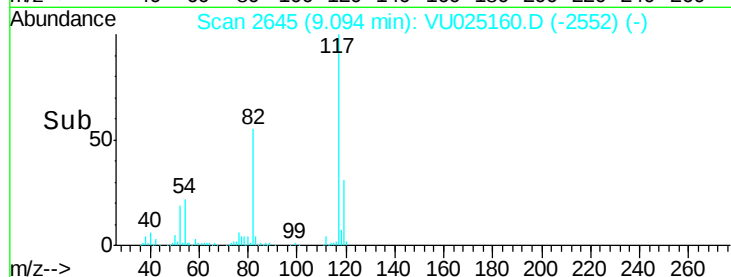
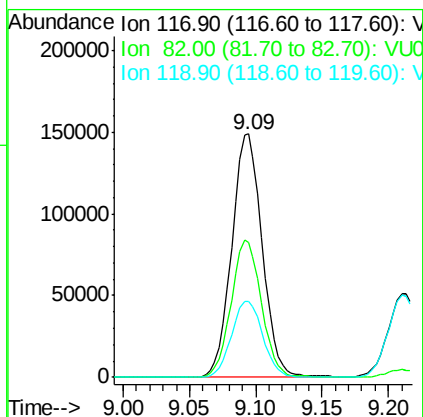
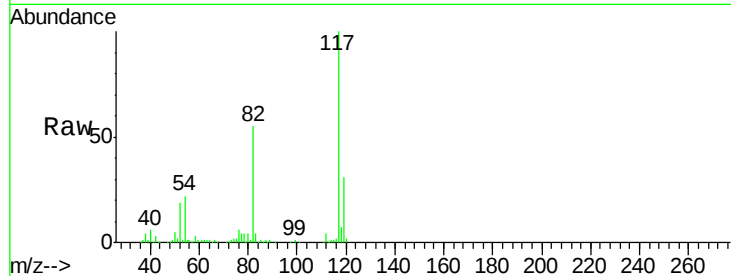
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.3	66.5
119	31.4	25.4	38.2

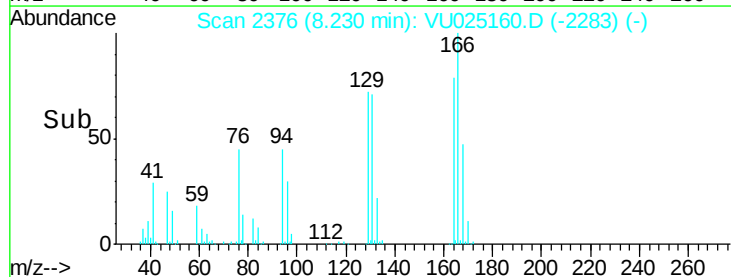
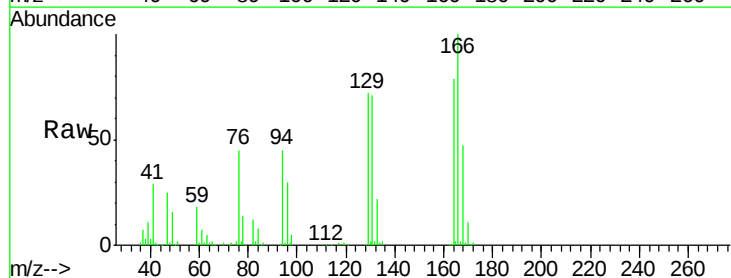
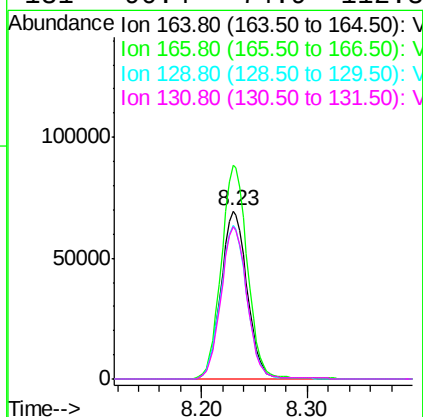
Manual Integrations
APPROVED

sam
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#64
Tetrachloroethene
Concen: 52.85 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	101.7	152.5
129	91.2	76.9	115.3
131	90.4	74.9	112.3





#65

Chlorobenzene

Concen: 55.41 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 336344

Ion Ratio Lower Upper

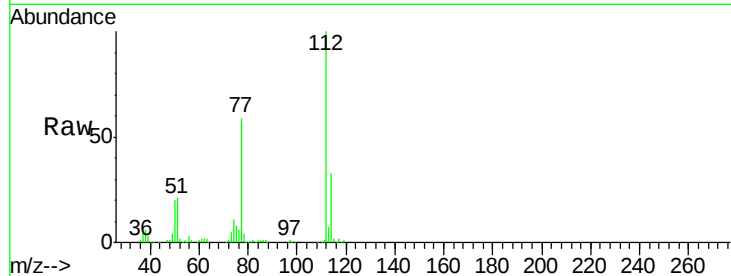
112 100

114 32.9 25.6 38.4

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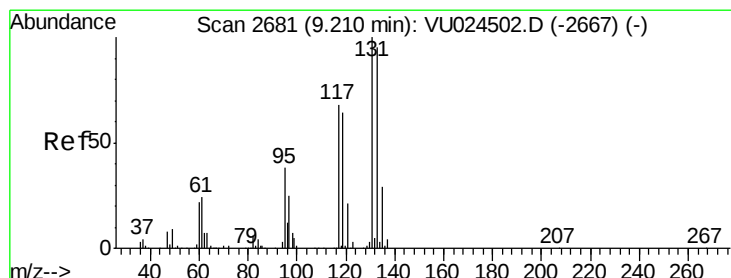
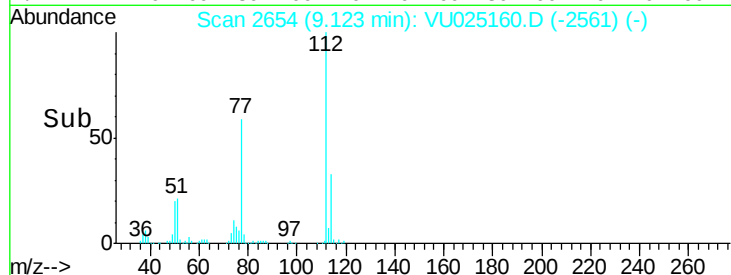
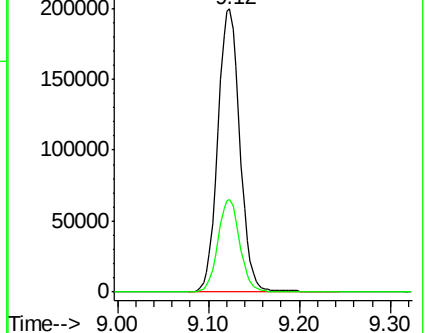
sam

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 55.85 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

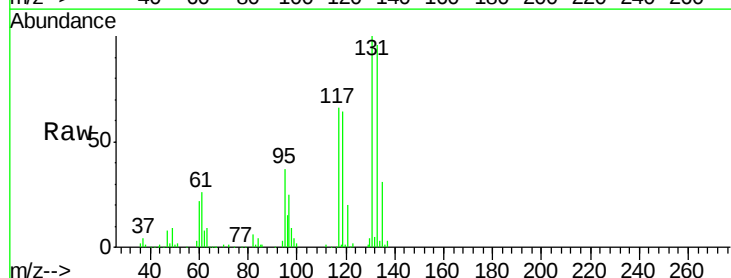
Tgt Ion:131 Resp: 128784

Ion Ratio Lower Upper

131 100

133 95.8 46.9 140.8

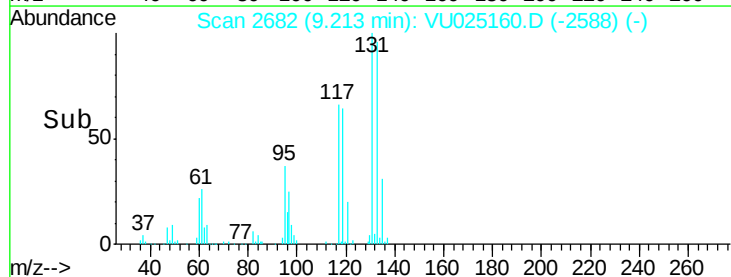
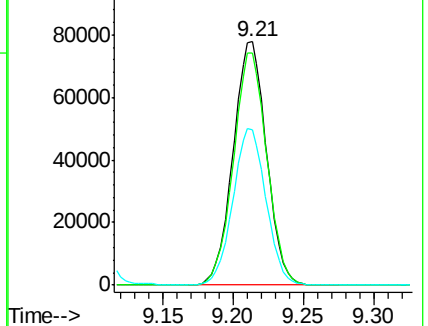
119 64.1 33.5 100.4

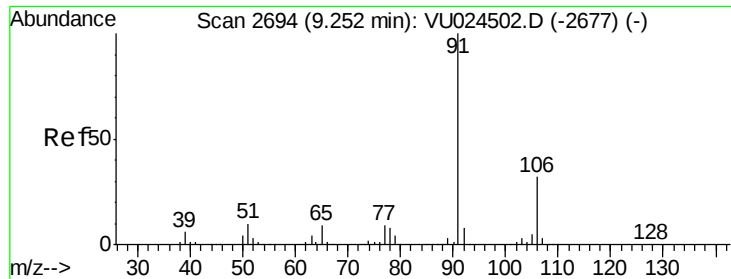


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





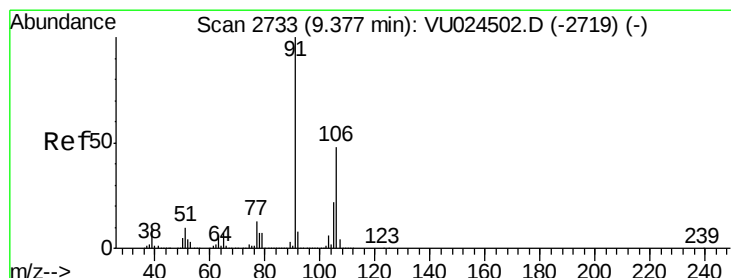
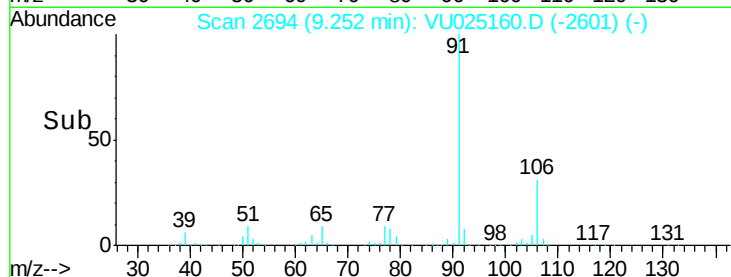
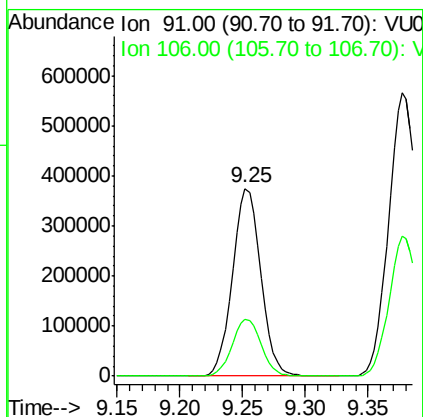
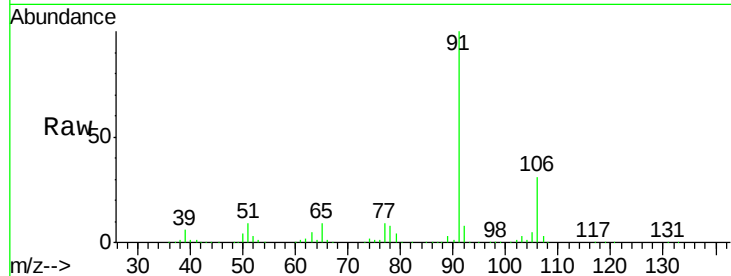
#67
Ethyl Benzene
Concen: 55.32 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 588709
Ion Ratio Lower Upper
91 100
106 30.5 24.2 36.4

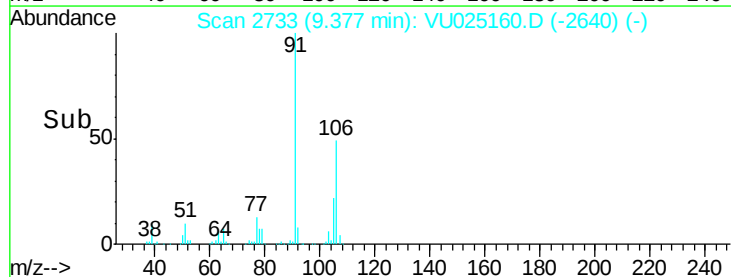
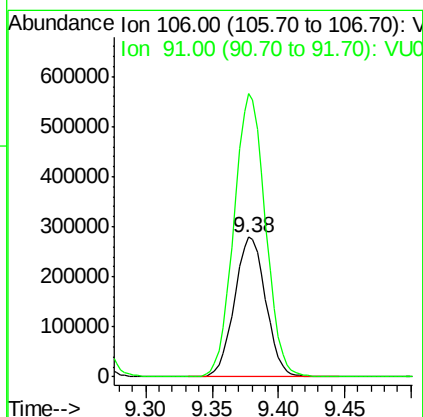
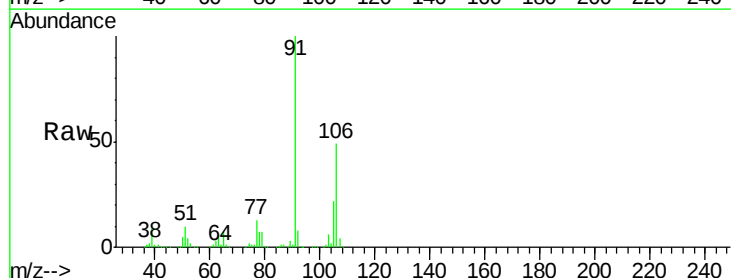
Manual Integrations
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#68
m/p-Xylenes
Concen: 111.70 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion: 106 Resp: 456427
Ion Ratio Lower Upper
106 100
91 204.6 166.5 249.7





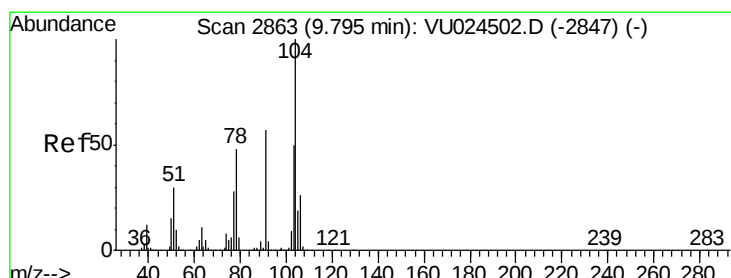
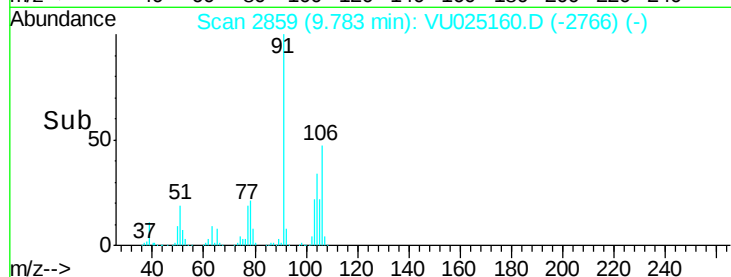
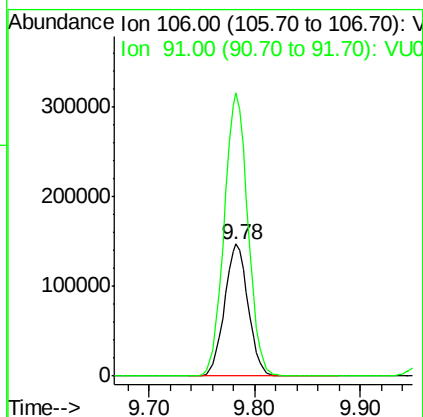
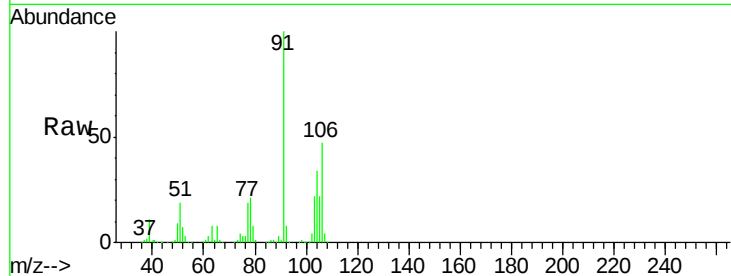
#69
o-Xylene
Concen: 56.01 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.8	110.7	331.9

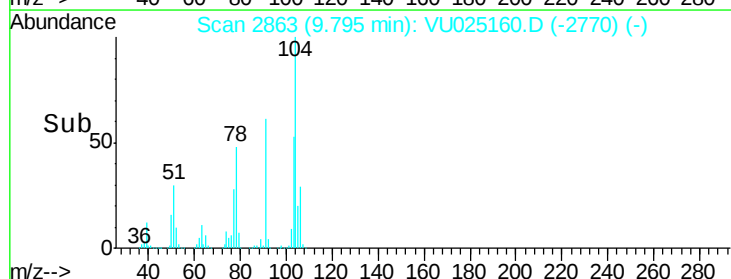
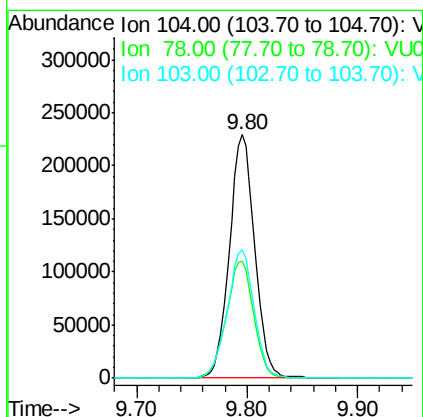
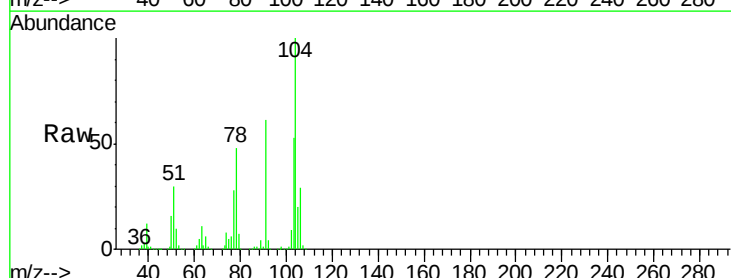
Manual Integrations
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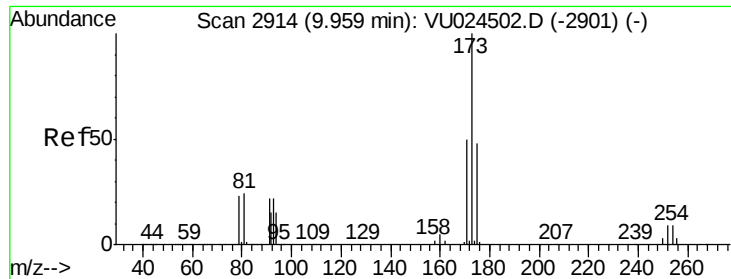
sam
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#70
Styrene
Concen: 54.96 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.1	40.6	60.8
103	55.8	44.7	67.1





#71

Bromoform

Concen: 51.67 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

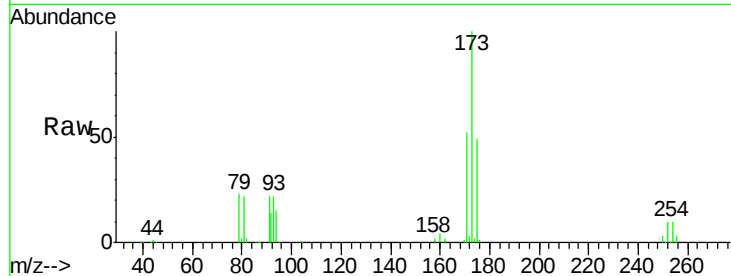
ClientSampleId :

VSTDCCC050

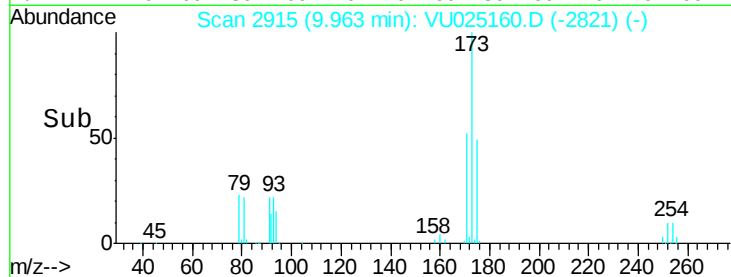
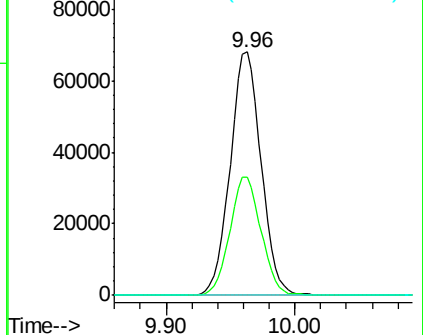
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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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: 50.00 ug/l

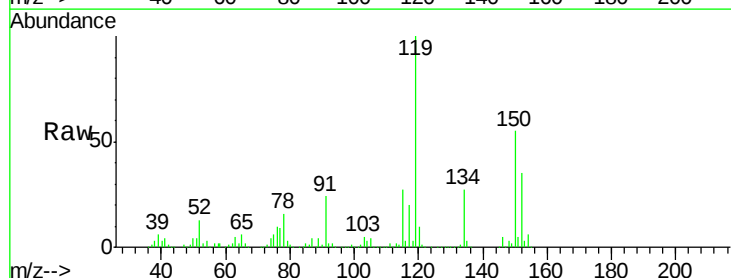
RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

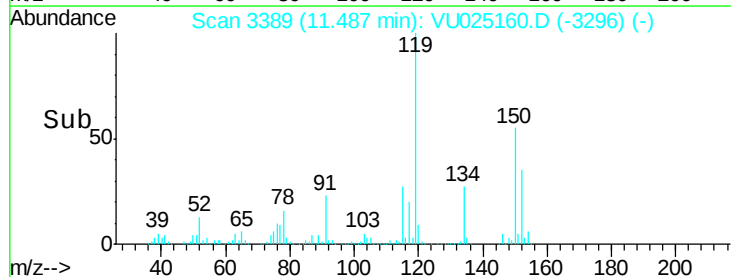
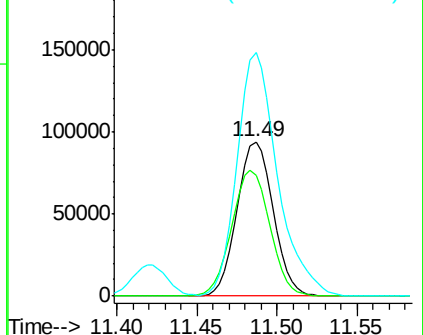
Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	86.4	43.0	129.0
150	177.3	0.0	354.0



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: 55.01 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 609565

Ion Ratio Lower Upper

105 100

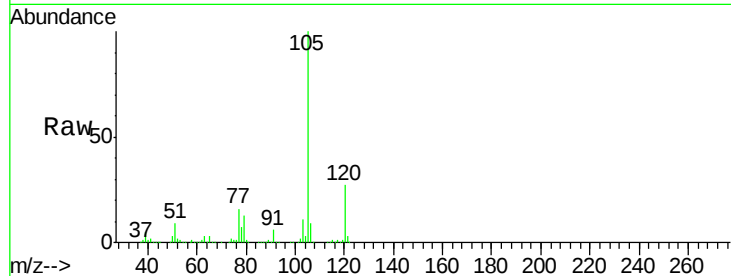
120 27.2 13.2 39.6

Manual Integrations

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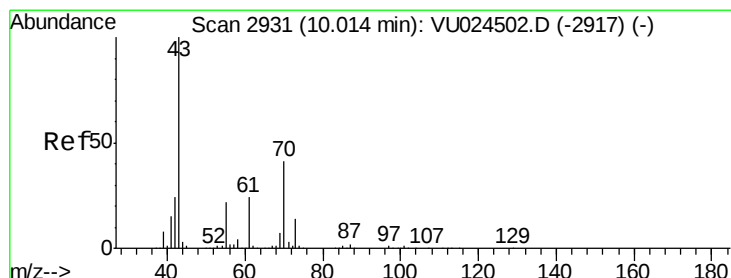
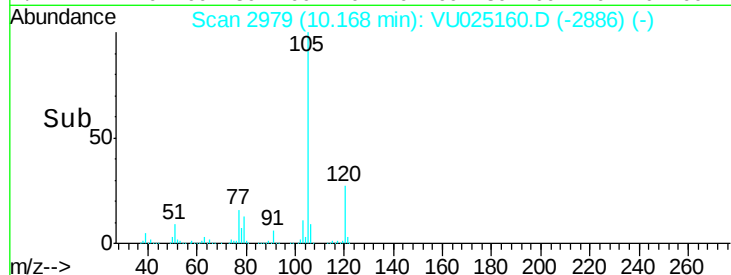
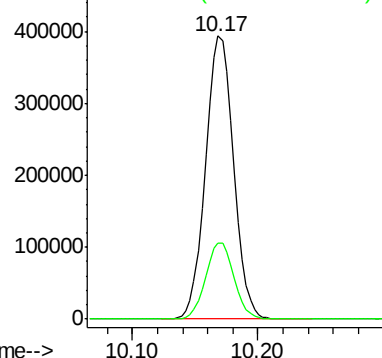
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.26 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion: 43 Resp: 275449

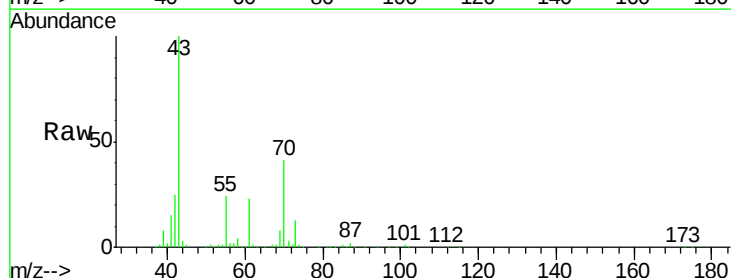
Ion Ratio Lower Upper

43 100

70 41.5 32.2 48.4

55 23.9 20.5 30.7

61 23.2 18.7 28.1

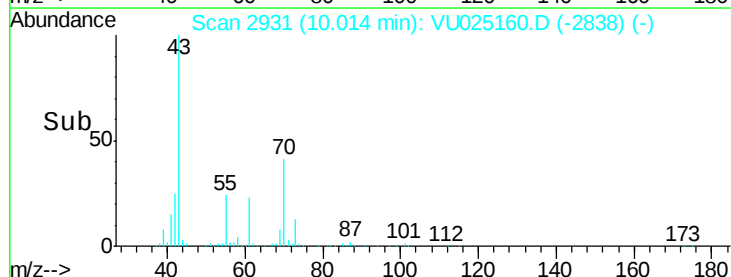
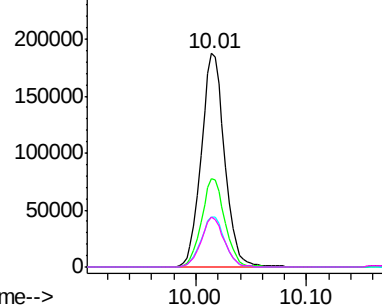


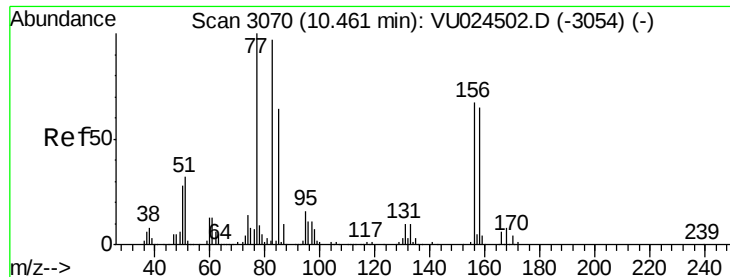
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 57.83 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 214706

Ion Ratio Lower Upper

83 100

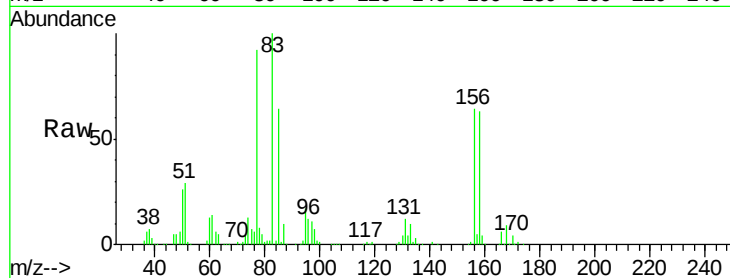
131 11.2 4.7 14.1

85 65.0 32.5 97.5

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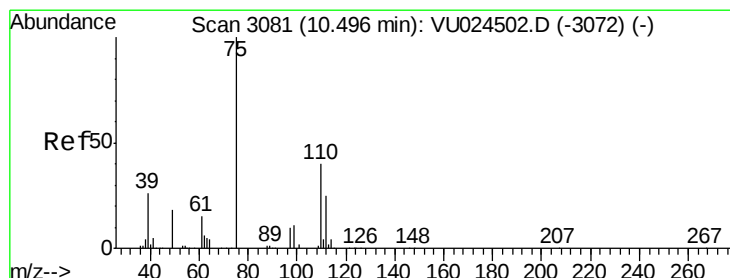
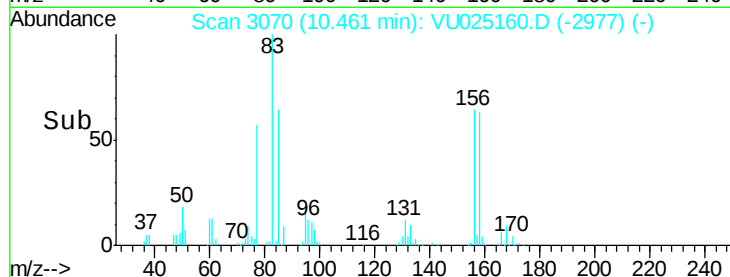
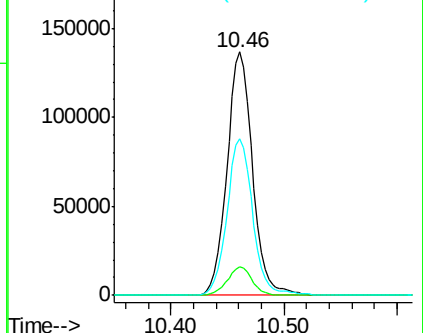
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Abundance Ion 82.90 (82.60 to 83.60): VU025160.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025160.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025160.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 57.24 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU025160.D

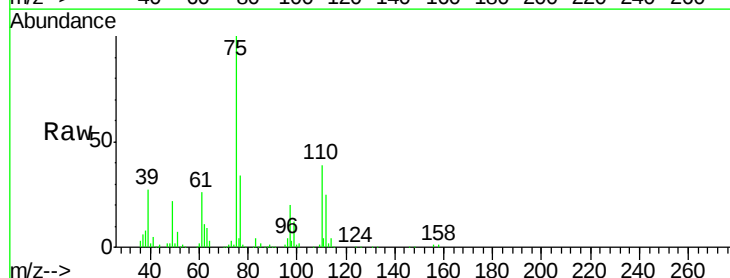
Acq: 02 Jul 2018 22:32

Tgt Ion: 75 Resp: 181870

Ion Ratio Lower Upper

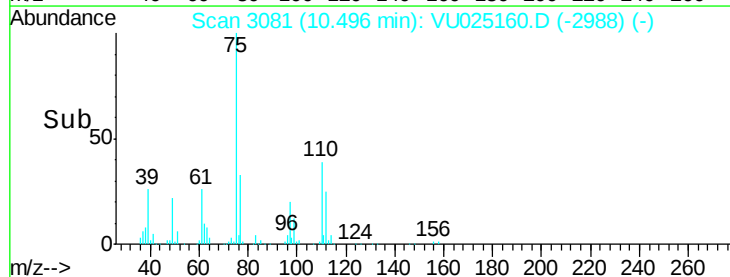
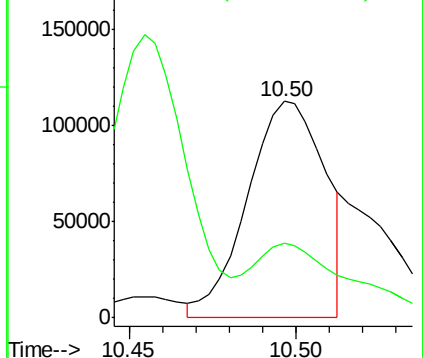
75 100

77 42.0 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU025160.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025160.D (-2988) (-)





#77

Bromobenzene

Concen: 56.00 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

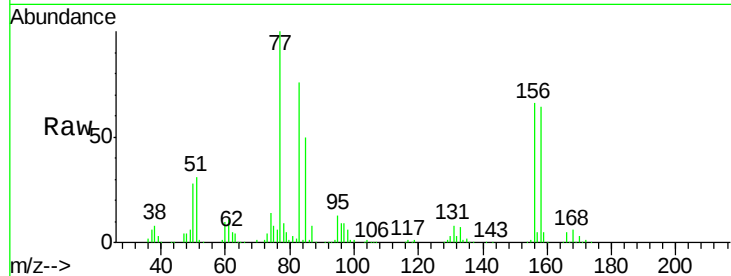
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	157079
Ion Ratio	Lower	Upper	
156	100		
77	152.1	80.5	241.3
158	98.3	48.2	144.6

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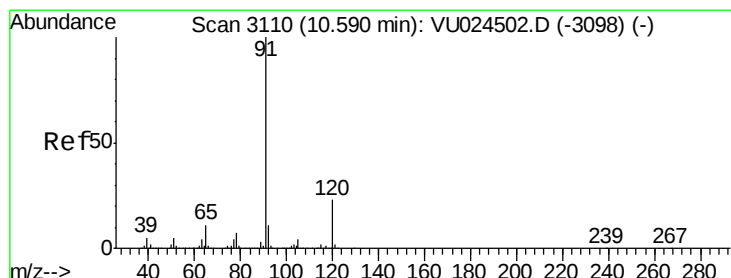
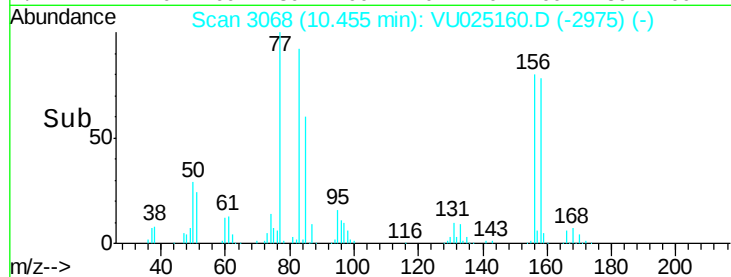
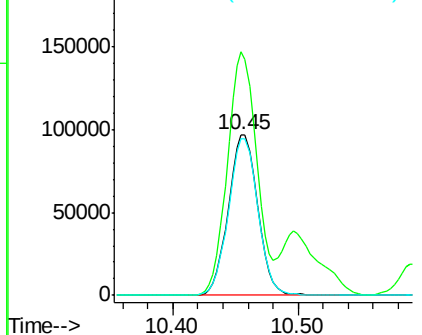
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.96 ug/l

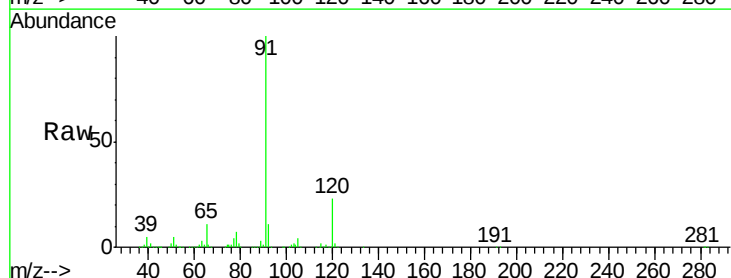
RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025160.D

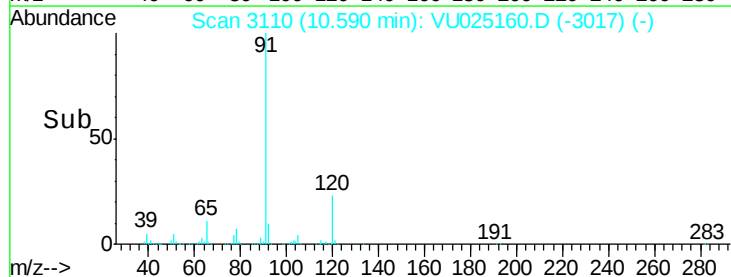
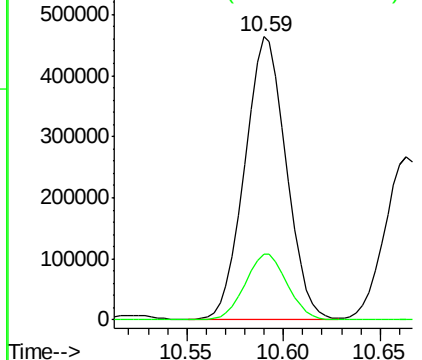
Acq: 02 Jul 2018 22:32

Tgt Ion:	91	Resp:	691262
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.49 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 419439

Ion Ratio Lower Upper

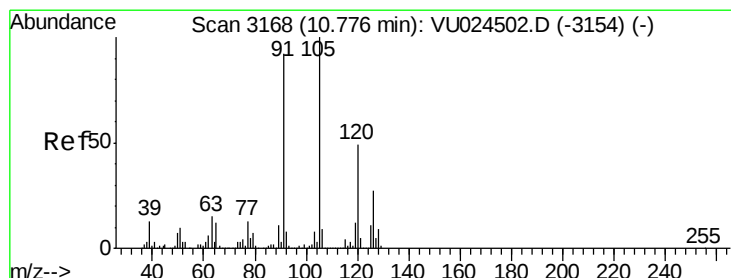
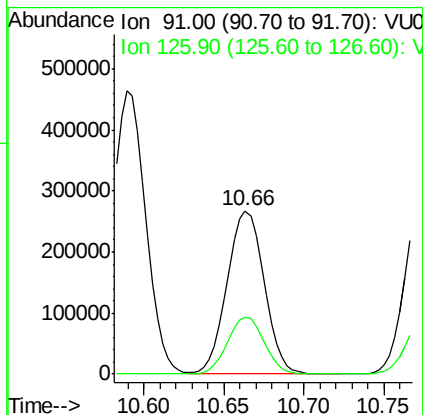
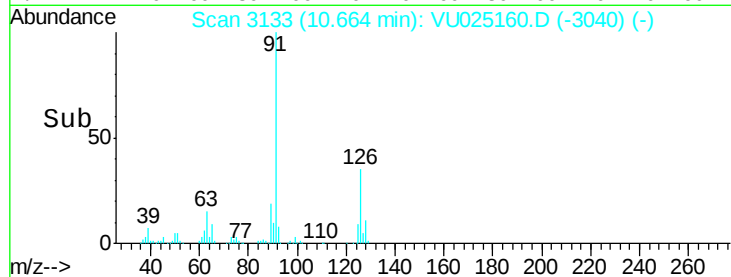
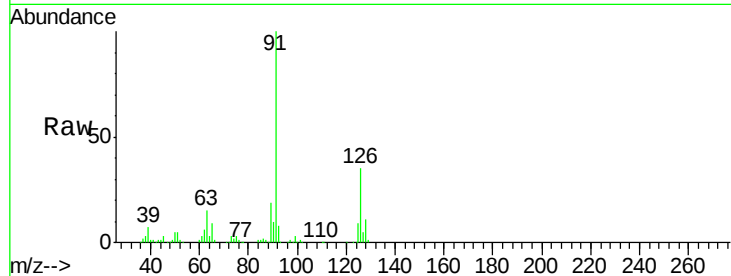
91 100

126 34.9 16.9 50.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 55.33 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025160.D

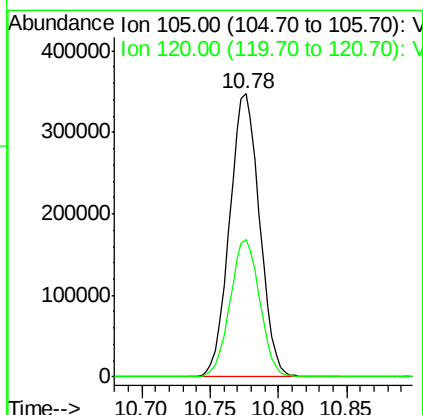
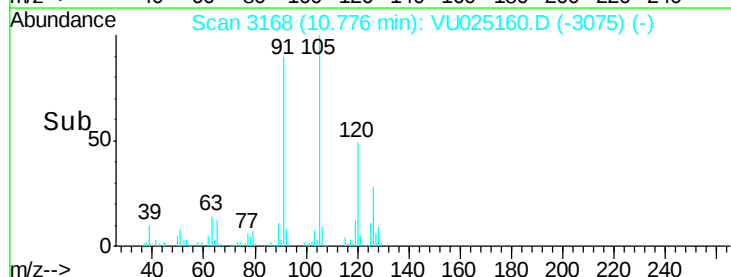
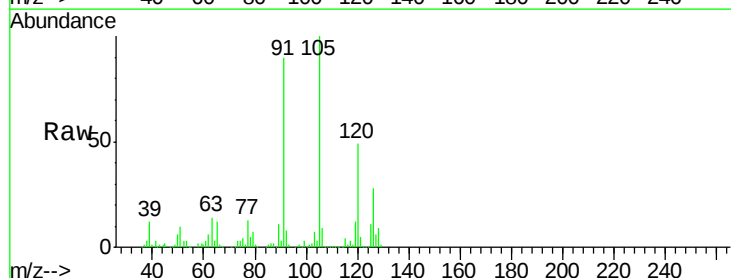
Acq: 02 Jul 2018 22:32

Tgt Ion: 105 Resp: 531343

Ion Ratio Lower Upper

105 100

120 48.1 24.1 72.2





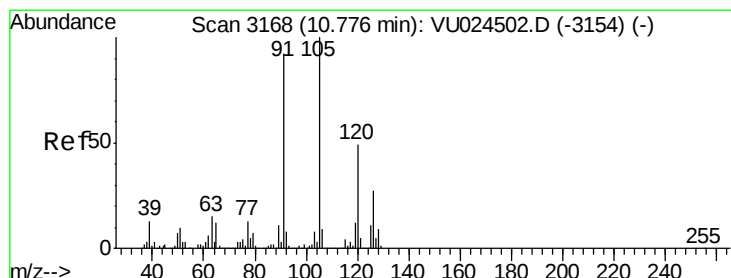
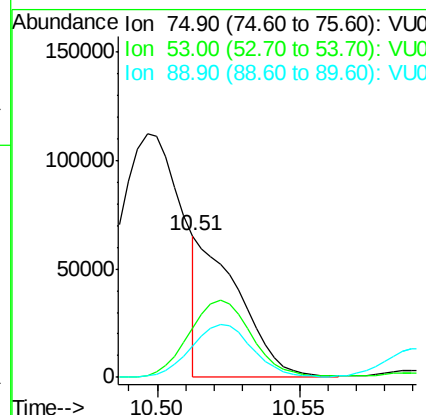
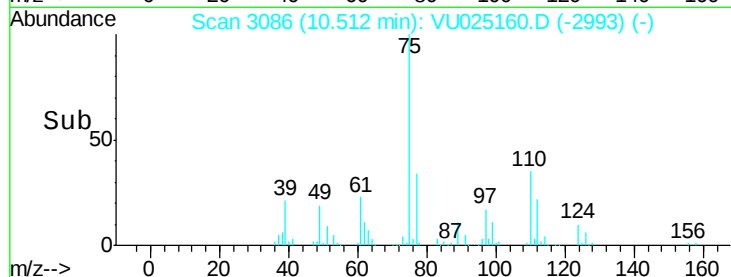
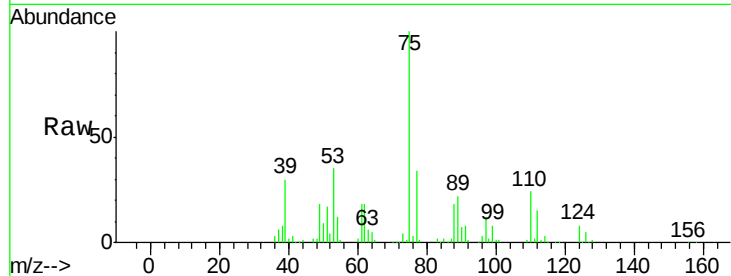
#81
trans-1,4-Dichloro-2-butene
Concen: 48.69 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

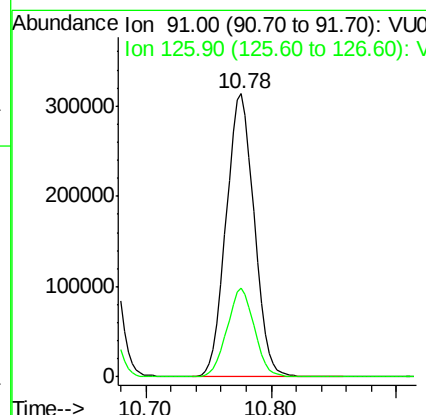
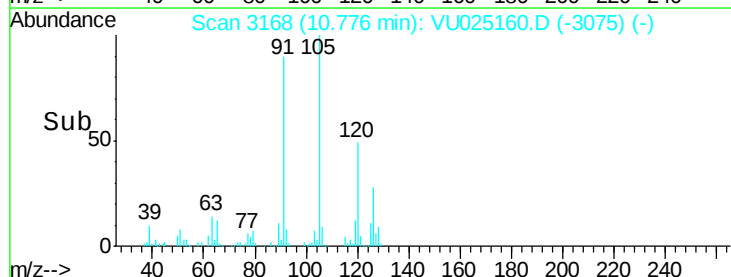
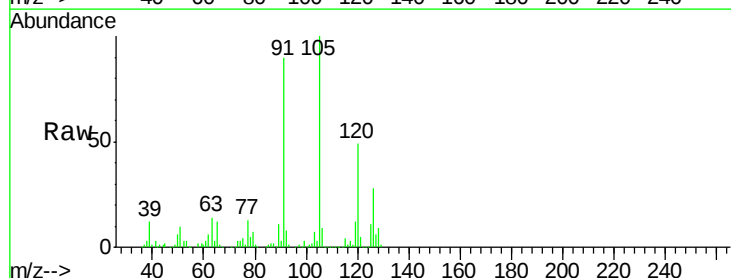
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#82
4-Chlorotoluene
Concen: 54.12 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	14.9	44.9





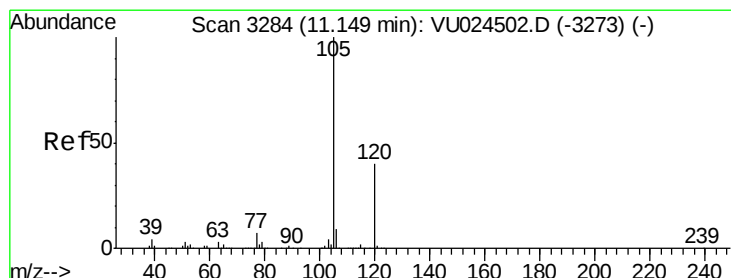
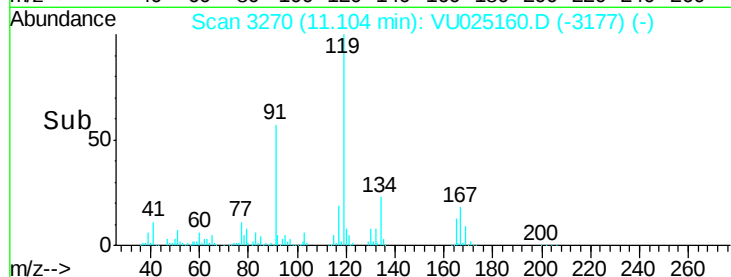
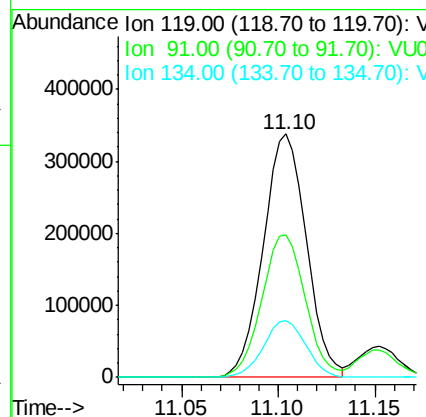
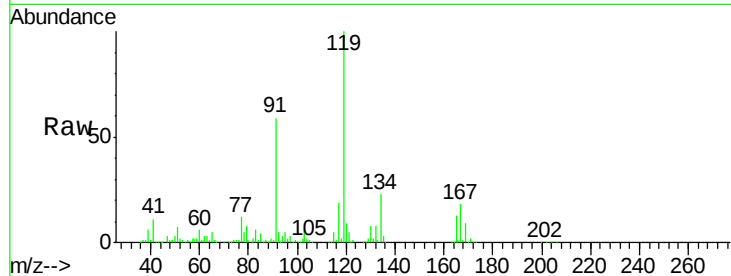
#83
tert-Butylbenzene
Concen: 56.81 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.7	89.1
134	23.1	11.6	34.7

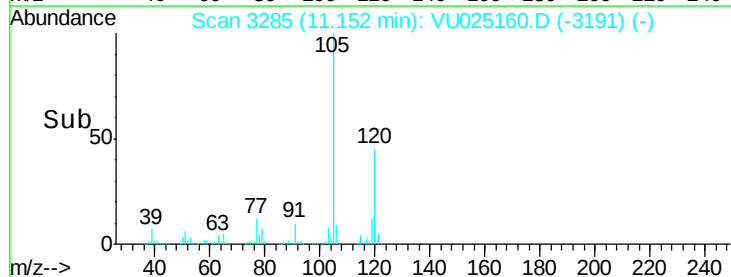
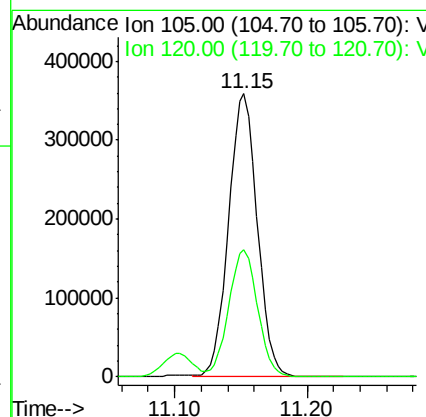
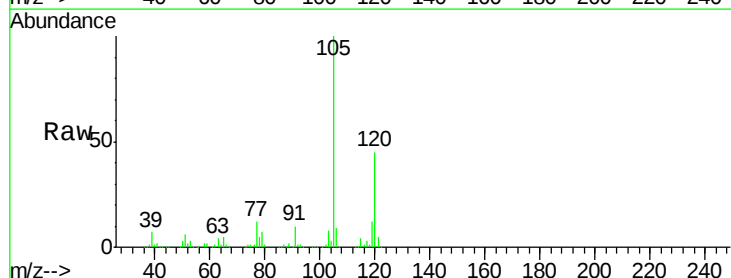
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#84
1,2,4-Trimethylbenzene
Concen: 54.92 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.6	67.8





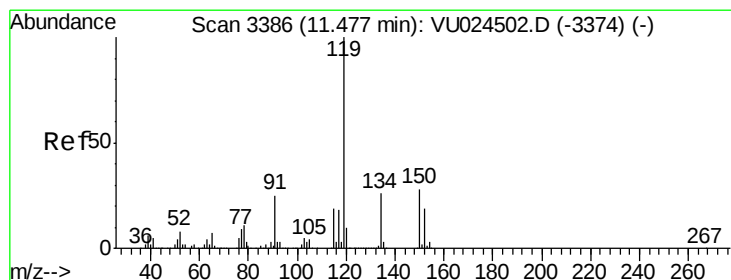
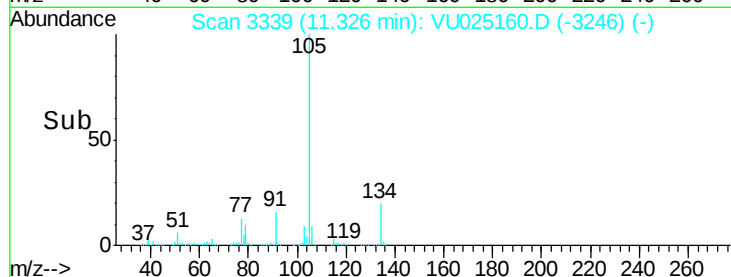
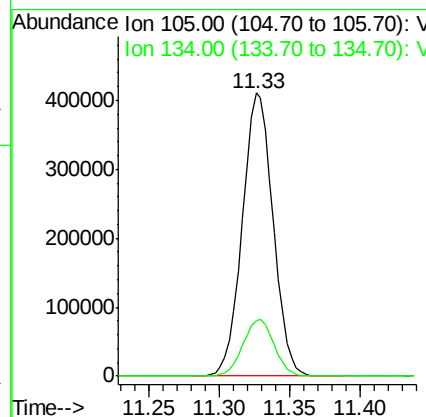
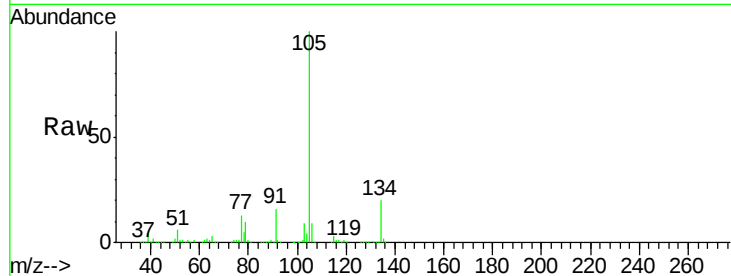
#85
 sec-Butylbenzene
 Concen: 54.23 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.7	29.1

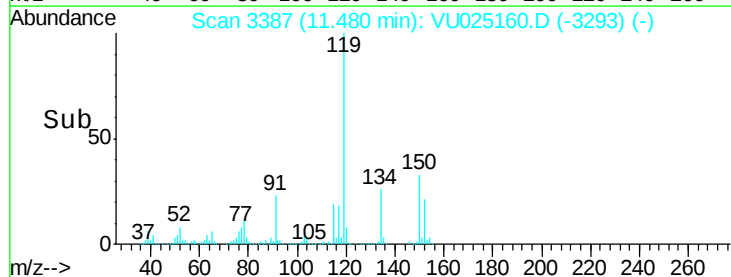
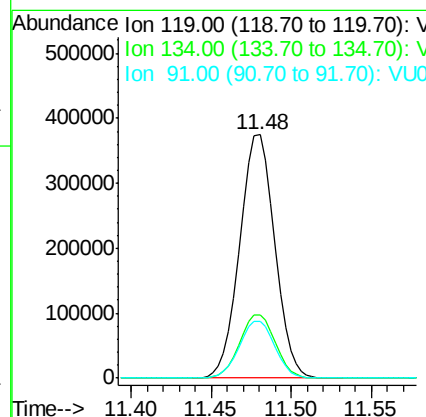
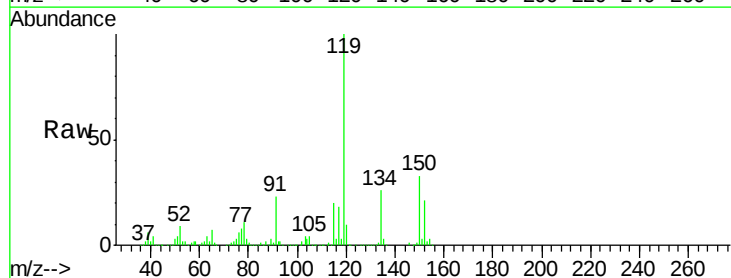
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#86
 p-Isopropyltoluene
 Concen: 53.76 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.9	38.6
91	23.9	12.0	36.1





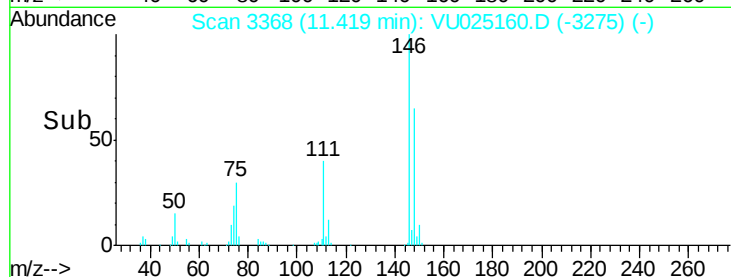
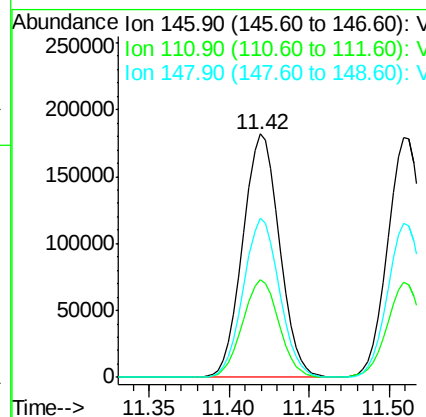
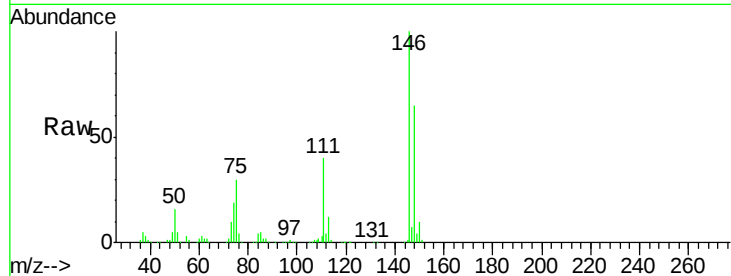
#87
 1,3-Dichlorobenzene
 Concen: 54.77 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	64.4	32.1	96.5

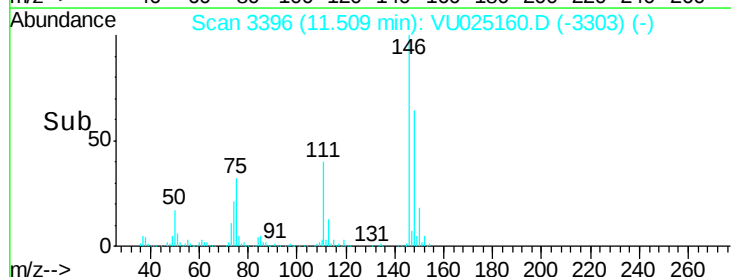
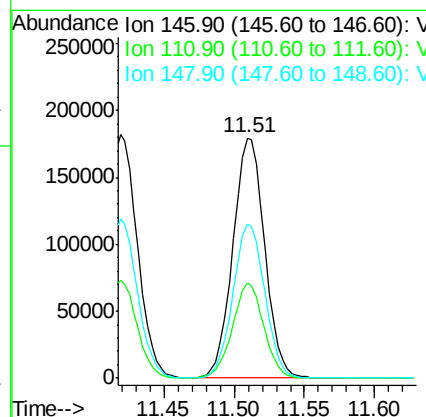
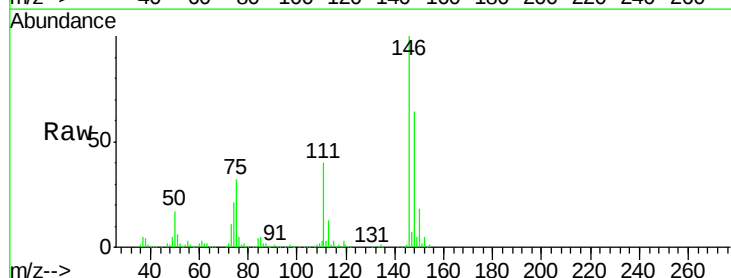
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#88
 1,4-Dichlorobenzene
 Concen: 54.10 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.5	58.5
148	64.7	32.4	97.0





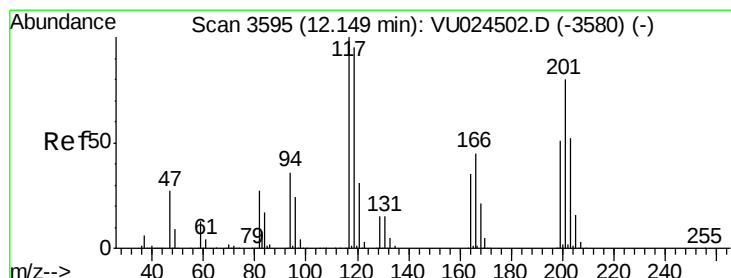
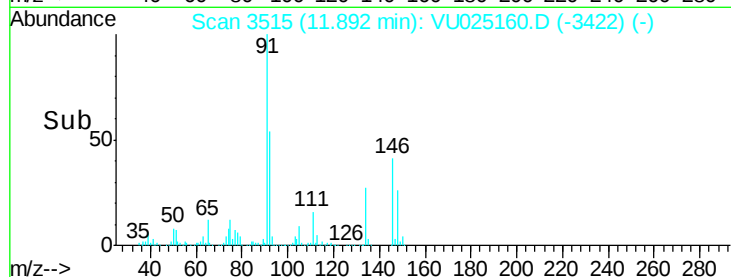
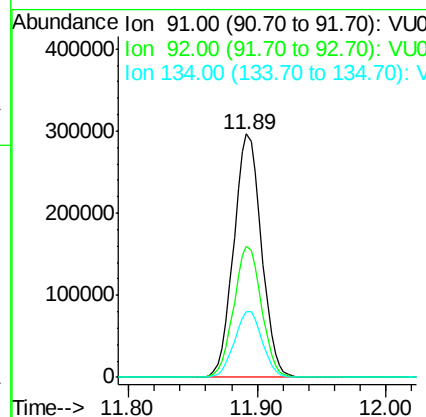
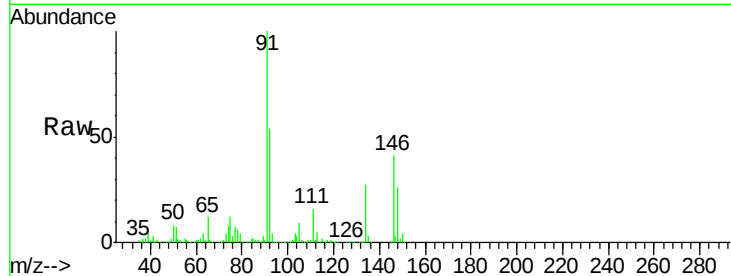
#89
n-Butylbenzene
Concen: 47.95 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	25.6	76.8
134	27.2	12.3	36.8

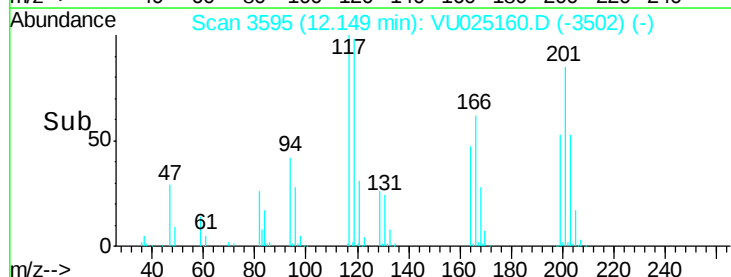
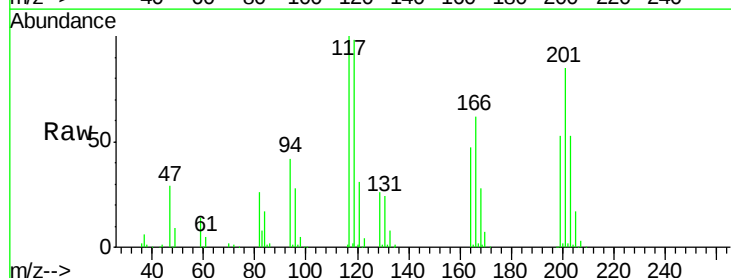
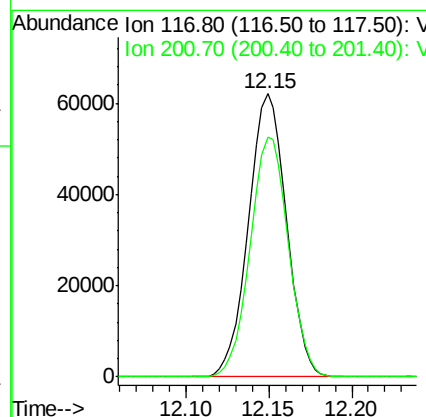
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#90
Hexachloroethane
Concen: 48.95 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU025160.D
Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	41.1	123.3





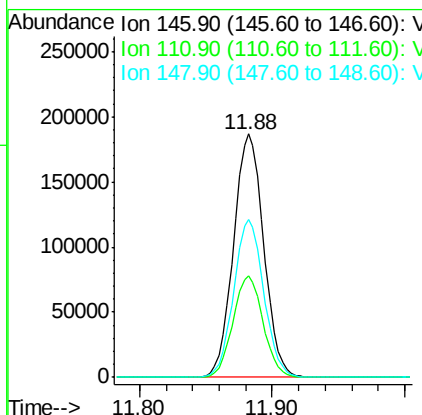
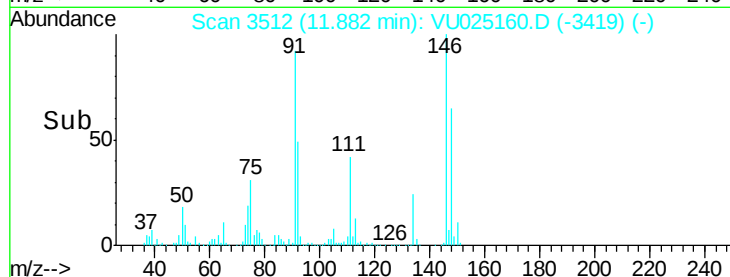
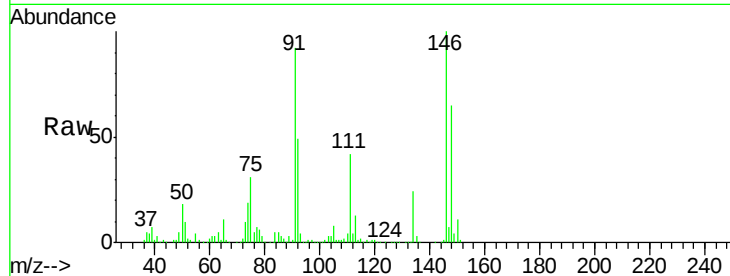
#91
 1,2-Dichlorobenzene
 Concen: 56.77 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	294692		
111	41.6	20.5	61.6	
148	64.6	31.9	95.7	

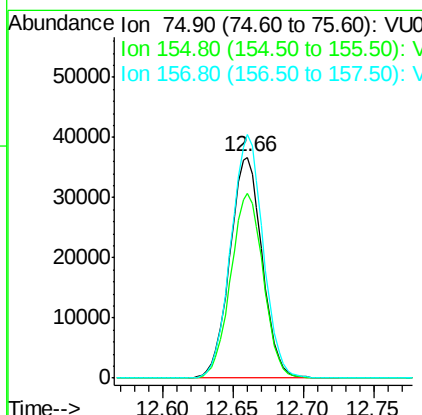
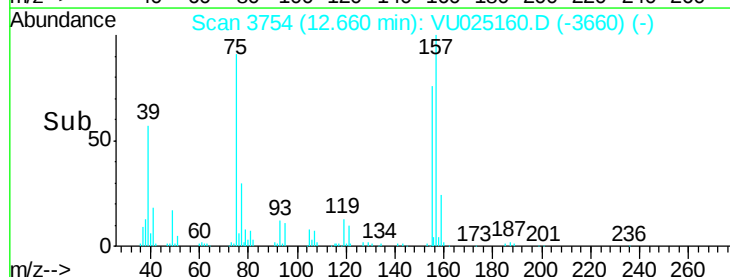
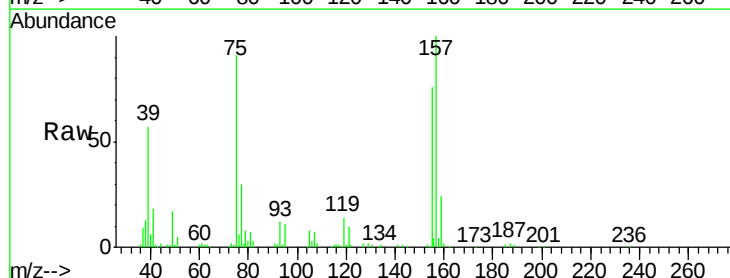
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.55 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	58962		
155	83.9	40.4	121.2	
157	109.4	52.3	156.8	





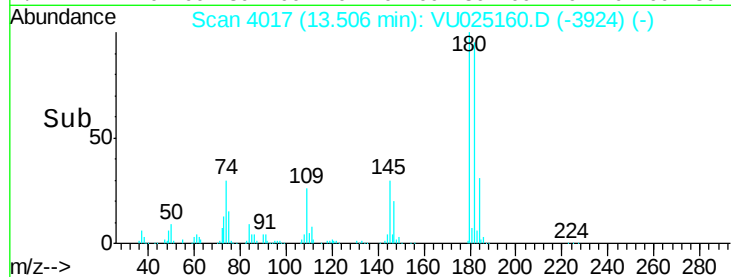
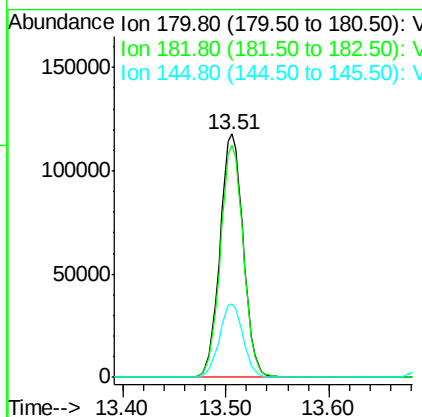
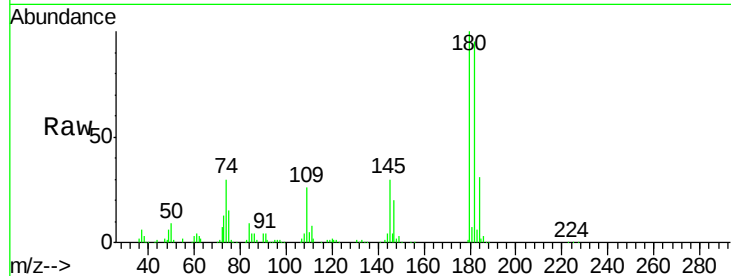
#93
 1,2,4-Trichlorobenzene
 Concen: 57.57 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	184547		
182	94.3	48.0	144.2	
145	30.6	14.7	44.1	

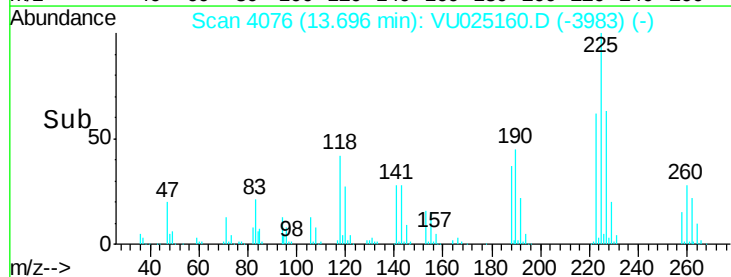
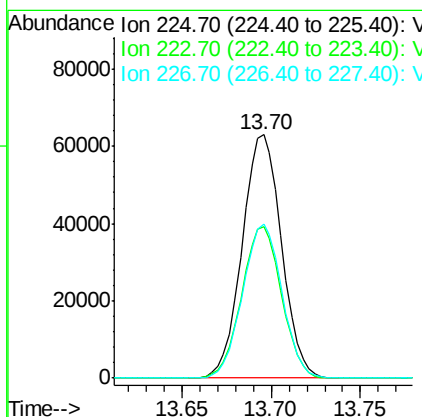
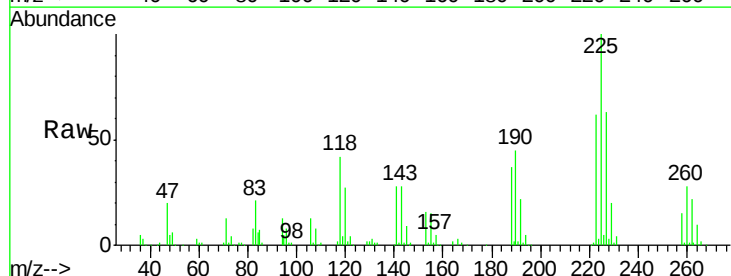
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#94
 Hexachlorobutadiene
 Concen: 53.64 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU025160.D
 Acq: 02 Jul 2018 22:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96785		
223	63.1	31.3	93.8	
227	63.3	31.8	95.4	





#95

Naphthalene

Concen: 58.67 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Instrument :

MSVOA_U

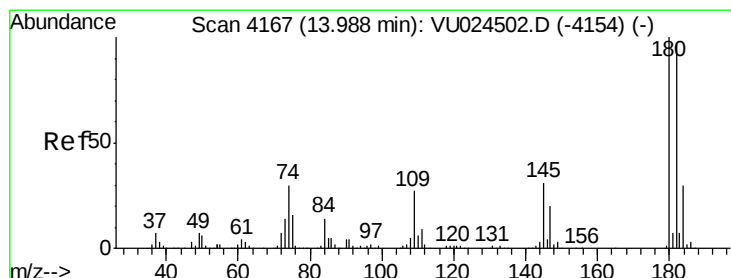
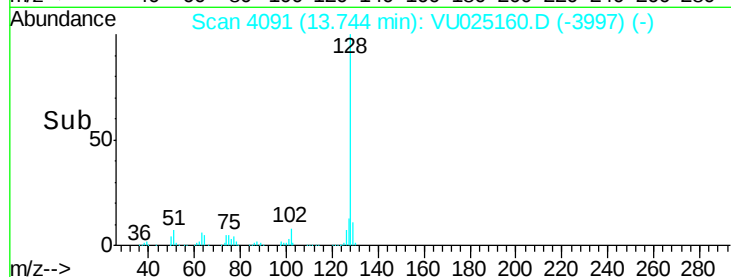
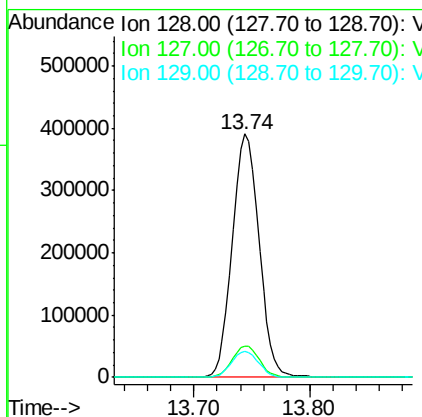
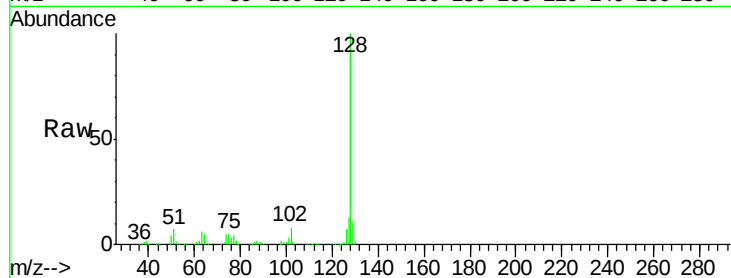
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	623820
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.8	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 60.94 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025160.D

Acq: 02 Jul 2018 22:32

Tgt Ion:	180	Resp:	194649
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.9	143.7
145	31.9	15.4	46.1

