

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU090719\
 Data File : VU034365.D
 Acq On : 07 Sep 2019 05:18
 Operator : JC/SP
 Sample : K4725-09MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

Quant Time: Sep 07 05:52:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	303717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	464551	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	454110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	290414	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	228750	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	4.86	113	207498	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
50) Toluene-d8	7.55	98	806211	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	10.29	95	302173	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	138243	43.521	ug/l	99
3) Chloromethane	1.32	50	164286	47.869	ug/l	98
4) Vinyl Chloride	1.40	62	178830	45.180	ug/l	99
5) Bromomethane	1.61	94	111871	56.217	ug/l	99
6) Chloroethane	1.69	64	115274	50.108	ug/l	100
7) Trichlorofluoromethane	1.88	101	248967	46.910	ug/l	99
8) Diethyl Ether	2.09	74	115464	49.460	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	159133	45.270	ug/l	99
10) Methyl Iodide	2.40	142	162626	50.524	ug/l	99
11) Tert butyl alcohol	2.81	59	262478	270.366	ug/l	99
12) 1,1-Dichloroethene	2.27	96	160321	48.517	ug/l	94
13) Acrolein	2.18	56	120910	148.180	ug/l	99
14) Allyl chloride	2.58	41	254925	40.352	ug/l	92
15) Acrylonitrile	2.92	53	615869	254.746	ug/l	98
16) Acetone	2.31	43	484068	203.556	ug/l	99
17) Carbon Disulfide	2.47	76	315810	42.523	ug/l	99
18) Methyl Acetate	2.60	43	246614	42.619	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	631236	52.409	ug/l	100
20) Methylene Chloride	2.69	84	201700	51.798	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	168265	48.321	ug/l	97
22) Diisopropyl ether	3.55	45	628132	50.985	ug/l	99
23) Vinyl Acetate	3.50	43	2324439	231.624	ug/l	98
24) 1,1-Dichloroethane	3.43	63	352809	47.953	ug/l	99
25) 2-Butanone	4.23	43	790286	248.956	ug/l	98
26) 2,2-Dichloropropane	4.20	77	218609	36.943	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	219180	51.824	ug/l	94
28) Bromochloromethane	4.52	49	169912	50.209	ug/l	96
29) Tetrahydrofuran	4.61	42	501662	259.708	ug/l	98
30) Chloroform	4.65	83	354672	47.425	ug/l	99
31) Cyclohexane	4.97	56	248579	46.182	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	293190	49.034	ug/l	98
36) 1,1-Dichloropropene	5.12	75	231997	46.048	ug/l	98
37) Ethyl Acetate	4.36	43	257620	43.249	ug/l	100
38) Carbon Tetrachloride	5.11	117	245610	45.658	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	247426	45.941	ug/l	97
40) Benzene	5.37	78	765243	47.072	ug/l	100
41) Methacrylonitrile	4.52	41	160940	50.723	ug/l	98
42) 1,2-Dichloroethane	5.38	62	258098	45.728	ug/l	98
43) Isopropyl Acetate	5.53	43	424628	45.697	ug/l	97
44) Trichloroethene	6.17	130	213222	47.398	ug/l	99
45) 1,2-Dichloropropane	6.41	63	223244	46.974	ug/l	99
46) Dibromomethane	6.54	93	140761	47.185	ug/l	96
47) Bromodichloromethane	6.74	83	285739	46.533	ug/l	99
48) Methyl methacrylate	6.60	41	215295	48.781	ug/l	98
49) 1,4-Dioxane	6.59	88	99719	1034.703	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1572916	244.540	ug/l	98
52) Toluene	7.62	92	493089	48.352	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	296855	46.635	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	324265	46.414	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	217145	46.893	ug/l	98
56) Ethyl methacrylate	8.00	69	336582	47.975	ug/l	97
57) 1,3-Dichloropropane	8.22	76	361397	47.929	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.09	63	1366	17.151	ug/l #	48
59) 2-Hexanone	8.34	43	1187302	247.090	ug/l	99
60) Dibromochloromethane	8.46	129	245956	49.520	ug/l	99
61) 1,2-Dibromoethane	8.57	107	218429	48.194	ug/l	99
64) Tetrachloroethene	8.21	164	184200	46.755	ug/l	97
65) Chlorobenzene	9.10	112	573677	49.794	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	214896	48.876	ug/l	99
67) Ethyl Benzene	9.23	91	958209	50.867	ug/l	98
68) m/p-Xylenes	9.35	106	739231	104.213	ug/l	98
69) o-Xylene	9.76	106	368106	53.063	ug/l	100
70) Styrene	9.77	104	656517	53.978	ug/l	98
71) Bromoform	9.94	173	190625	50.026	ug/l #	100
73) Isopropylbenzene	10.14	105	996232	52.712	ug/l	100
74) N-amyl acetate	9.99	43	372908	49.018	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	374961	49.014	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	399183	62.970	ug/l	83
77) Bromobenzene	10.43	156	275395	52.114	ug/l	97
78) n-propylbenzene	10.57	91	1120014	51.313	ug/l	99
79) 2-Chlorotoluene	10.64	91	677426	50.866	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	842951	53.330	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.47	75	399183	211.765	ug/l #	100
82) 4-Chlorotoluene	10.75	91	789533	51.515	ug/l	99
83) tert-Butylbenzene	11.08	119	847338	53.587	ug/l	98
84) 1,2,4-Trimethylbenzene	11.12	105	850482	53.453	ug/l	99
85) sec-Butylbenzene	11.30	105	977506	52.364	ug/l	100
86) p-Isopropyltoluene	11.45	119	908721	52.741	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	485839	50.382	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	488910	48.609	ug/l	99
89) n-Butylbenzene	11.87	91	761718	50.872	ug/l	99
90) Hexachloroethane	12.12	117	132770	48.165	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	484481	51.121	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	75550	53.743	ug/l	95

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Quant Title : SW846 8260
QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

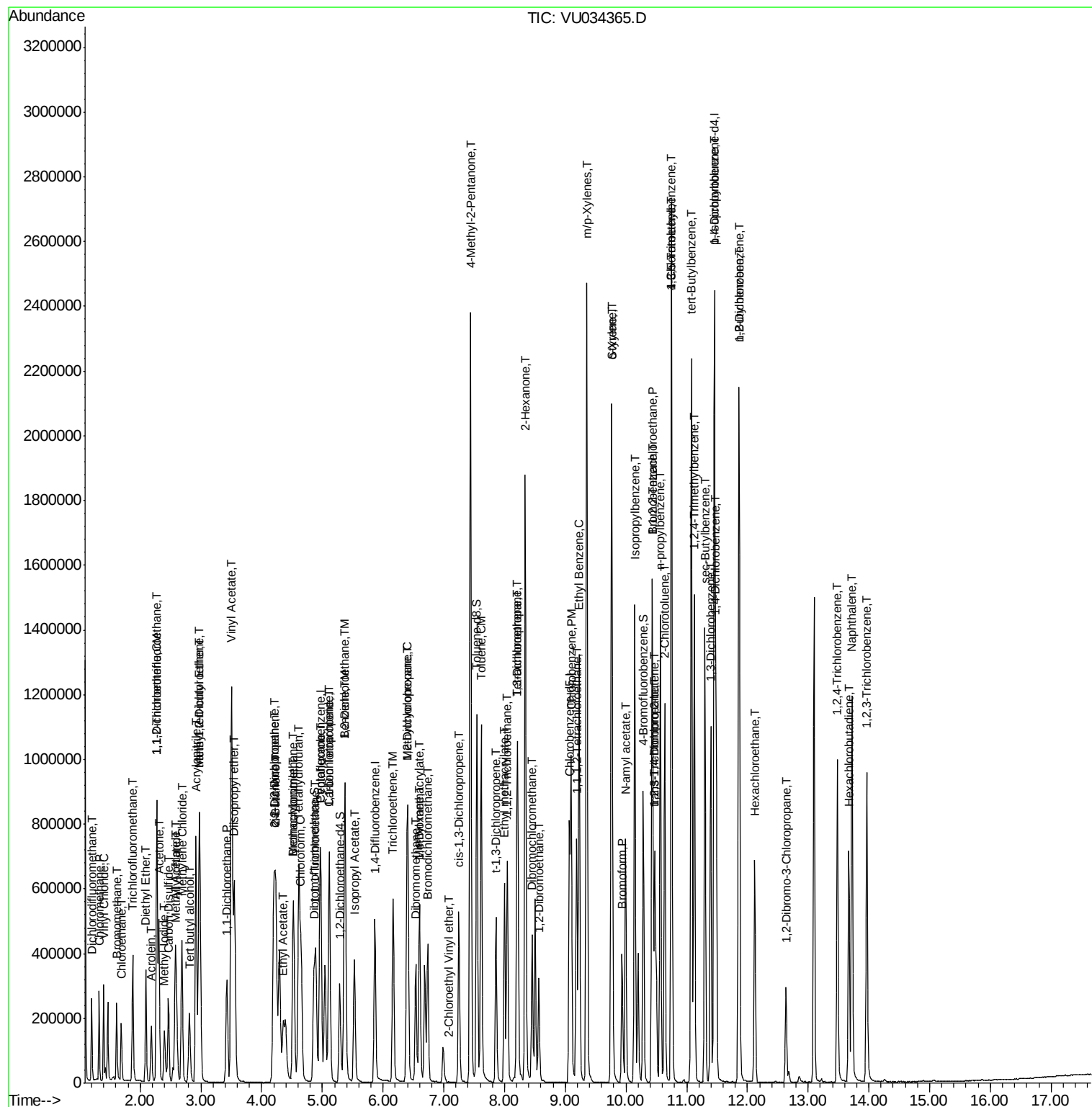
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	341668	49.729	ug/l	99
94) Hexachlorobutadiene	13.67	225	145920	44.017	ug/l	99
95) Naphthalene	13.72	128	1028012	52.865	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	336244	50.614	ug/l	99

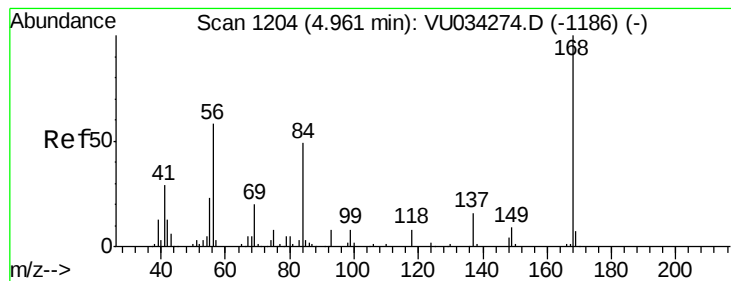
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

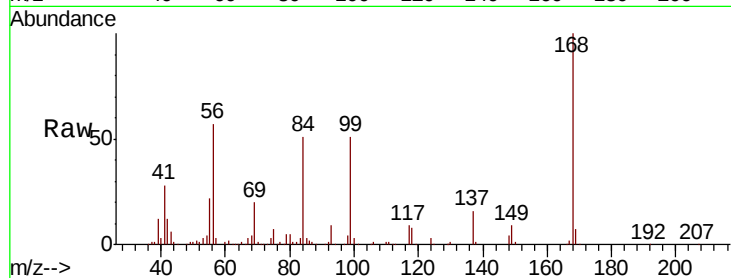
S13-0263MSD

Tgt Ion:168 Resp: 303717

Ion Ratio Lower Upper

168 100

99 50.5 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

150000

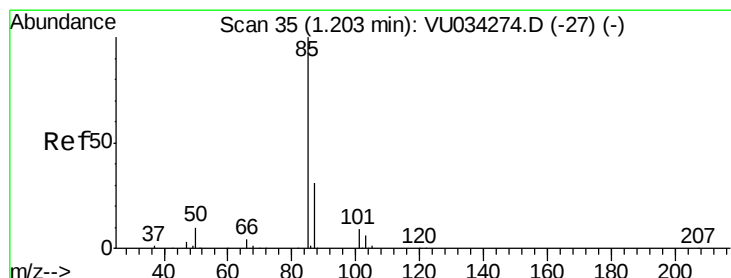
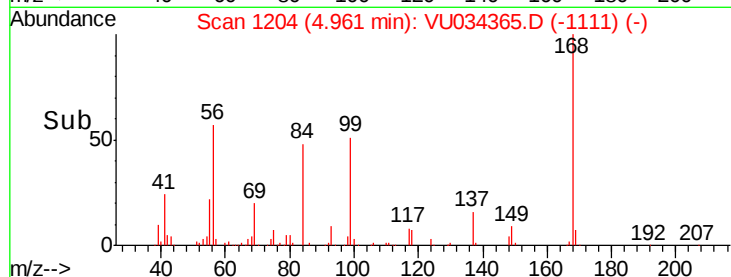
100000

50000

0

4.85 4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 43.521 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034365.D

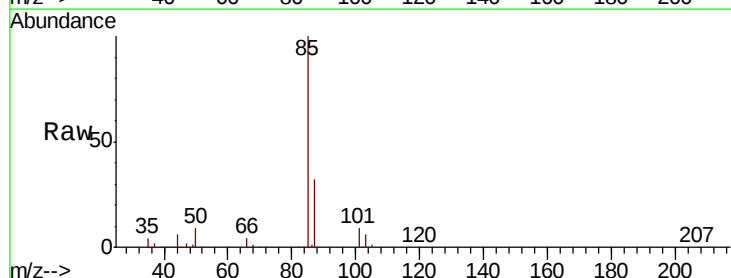
Acq: 07 Sep 2019 05:18

Tgt Ion: 85 Resp: 138243

Ion Ratio Lower Upper

85 100

87 31.6 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

150000

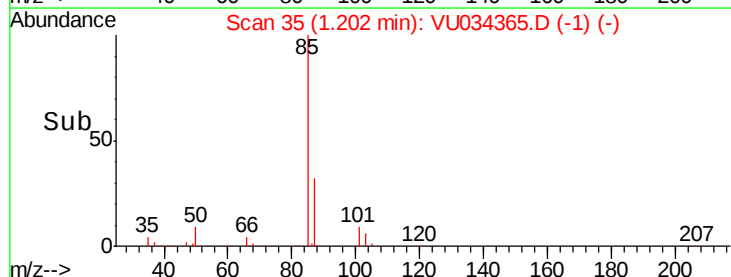
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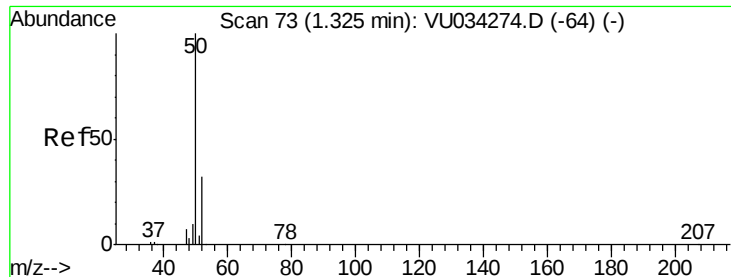
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 47.869 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

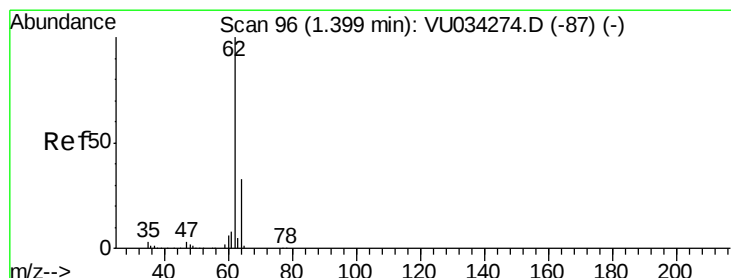
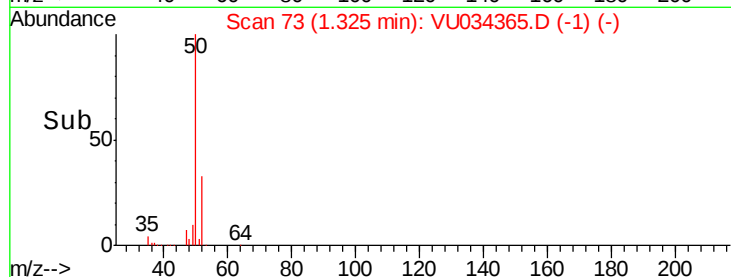
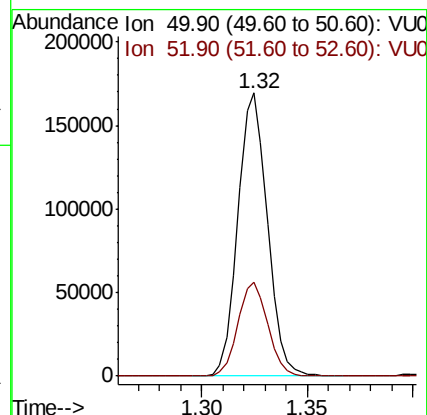
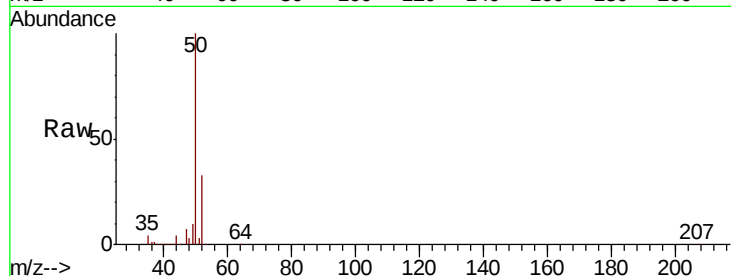
S13-0263MSD

Tgt Ion: 50 Resp: 164286

Ion Ratio Lower Upper

50 100

52 33.1 25.8 38.6



#4

Vinyl Chloride

Concen: 45.180 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034365.D

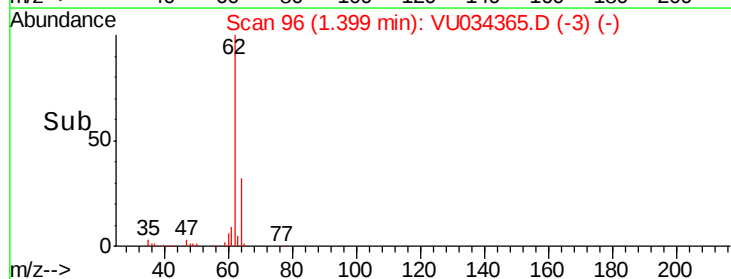
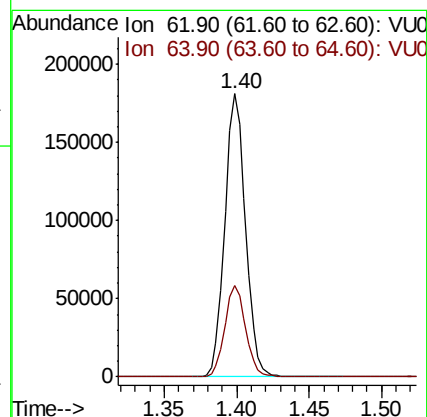
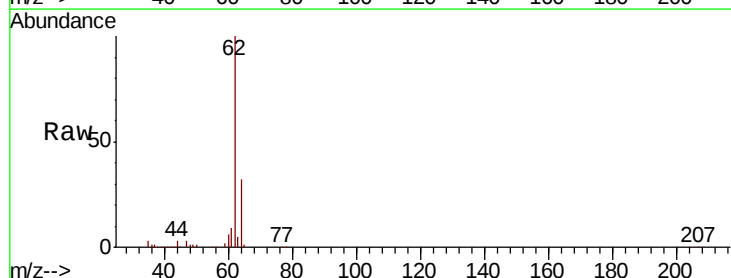
Acq: 07 Sep 2019 05:18

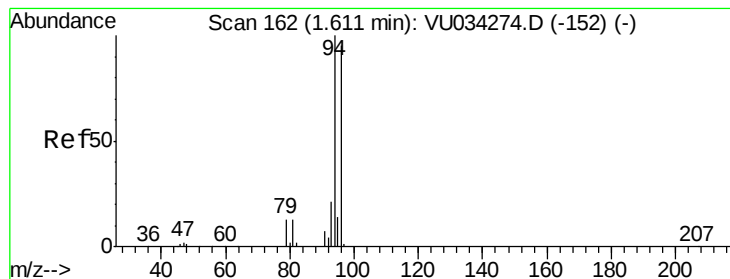
Tgt Ion: 62 Resp: 178830

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.4





#5

Bromomethane

Concen: 56.217 ug/l

RT: 1.61 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

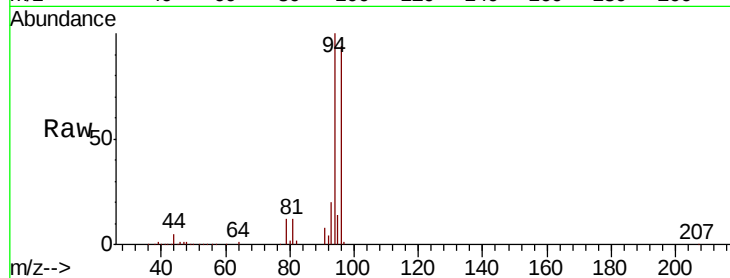
S13-0263MSD

Tgt Ion: 94 Resp: 111871

Ion Ratio Lower Upper

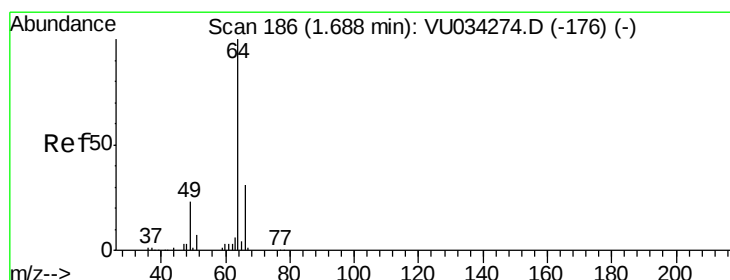
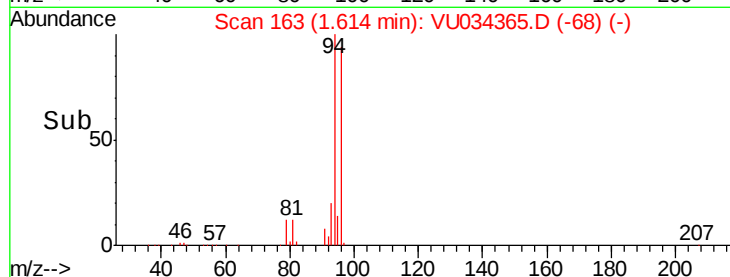
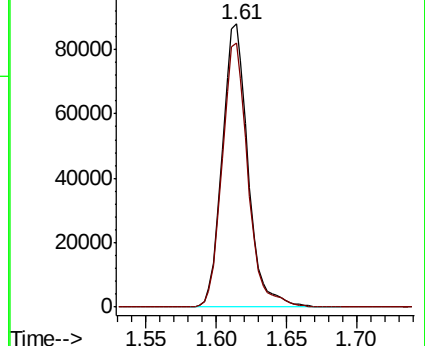
94 100

96 93.5 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VU034274.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034365.D (-68) (-)



#6

Chloroethane

Concen: 50.108 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034365.D

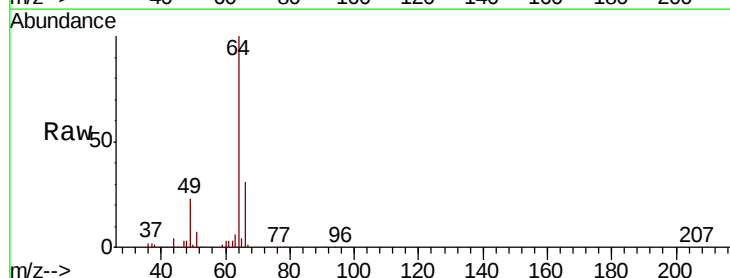
Acq: 07 Sep 2019 05:18

Tgt Ion: 64 Resp: 115274

Ion Ratio Lower Upper

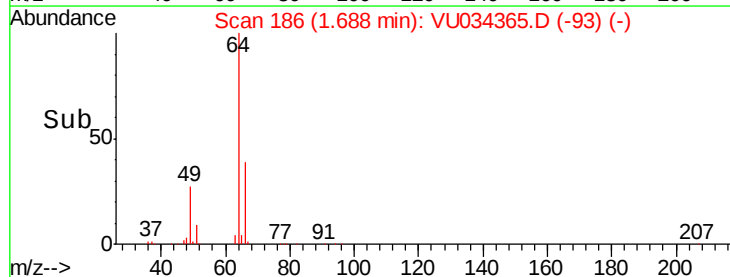
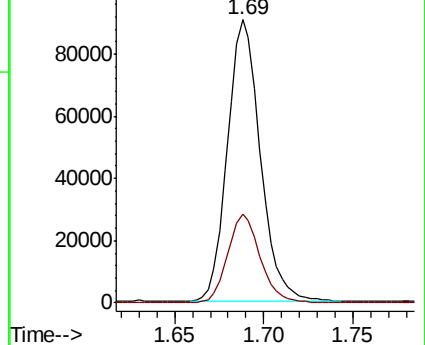
64 100

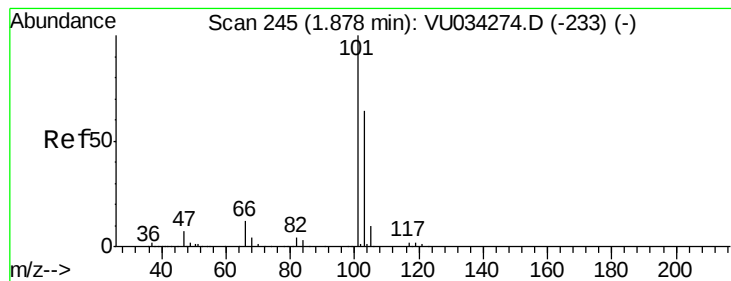
66 31.6 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034274.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034365.D (-93) (-)



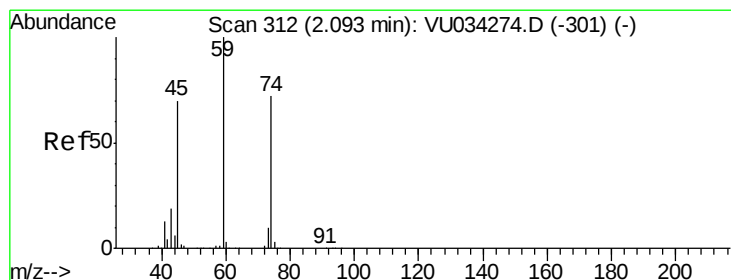
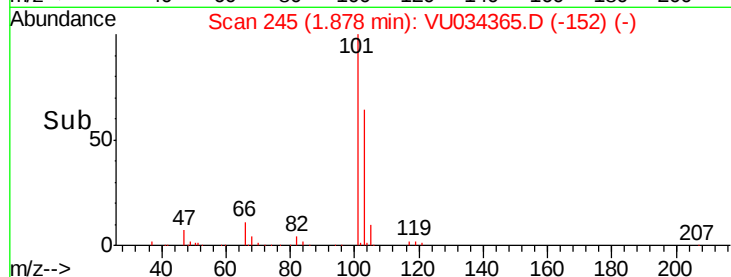
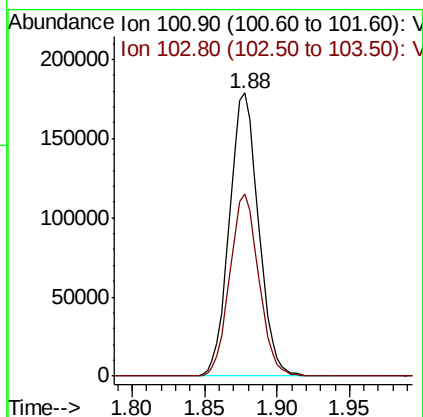
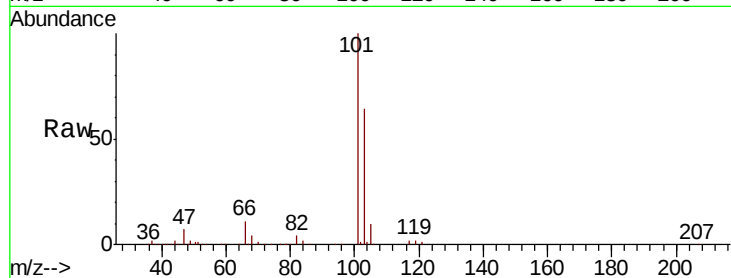


#7

Trichlorofluoromethane
 Concen: 46.910 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: VU034365.D
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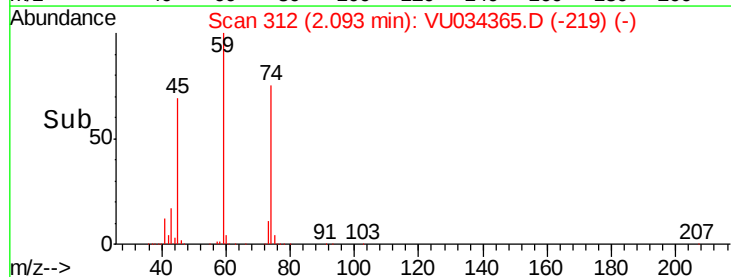
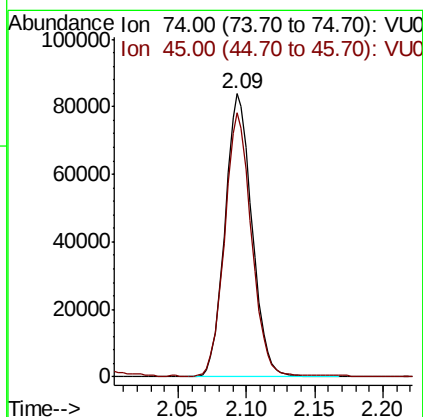
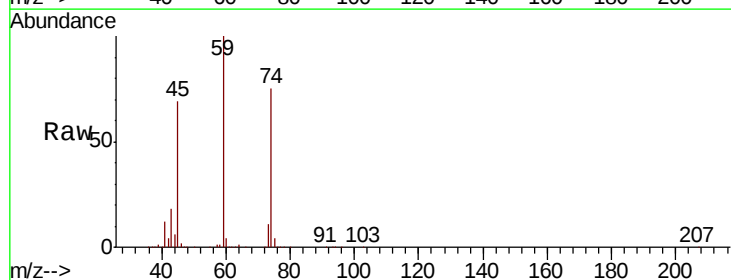
Tgt Ion:101 Resp: 248967
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.0 76.6

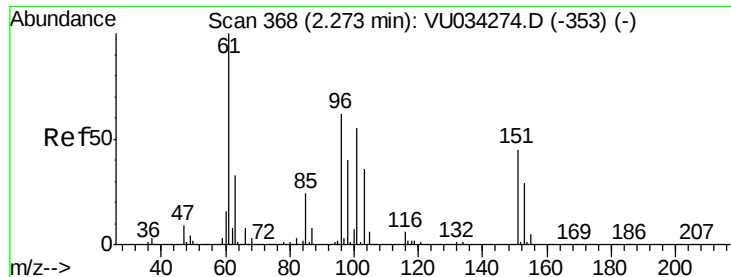


#8

Diethyl Ether
 Concen: 49.460 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion: 74 Resp: 115464
 Ion Ratio Lower Upper
 74 100
 45 91.5 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.270 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

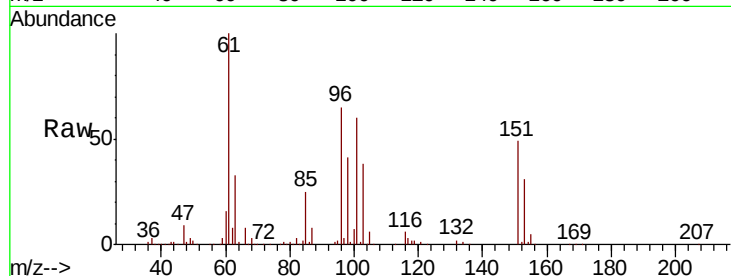
Tgt Ion:101 Resp: 159133

Ion Ratio Lower Upper

101 100

85 42.2 34.4 51.6

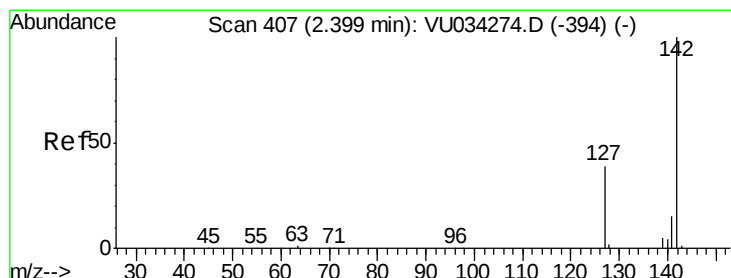
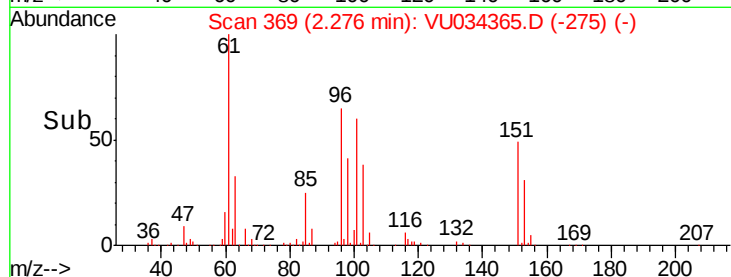
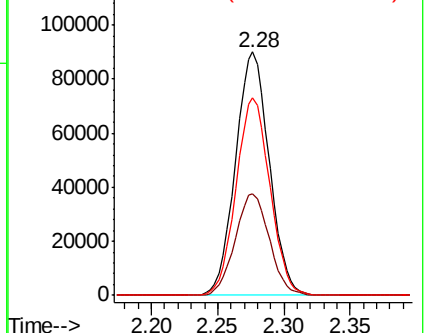
151 81.5 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.524 ug/l

RT: 2.40 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

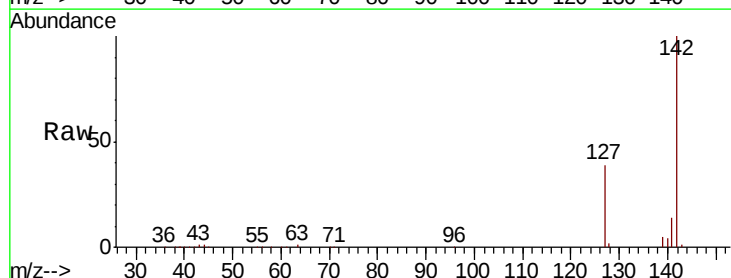
Tgt Ion:142 Resp: 162626

Ion Ratio Lower Upper

142 100

127 39.0 32.1 48.1

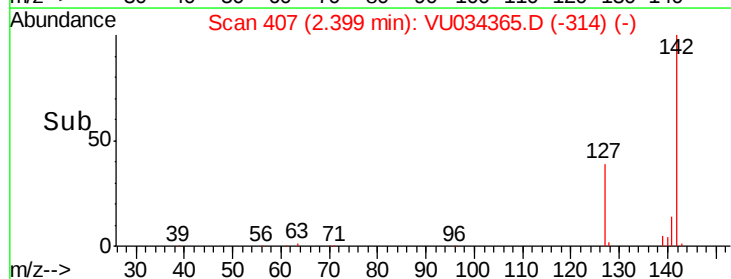
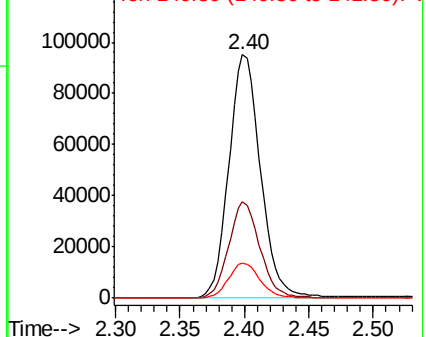
141 14.4 11.5 17.3

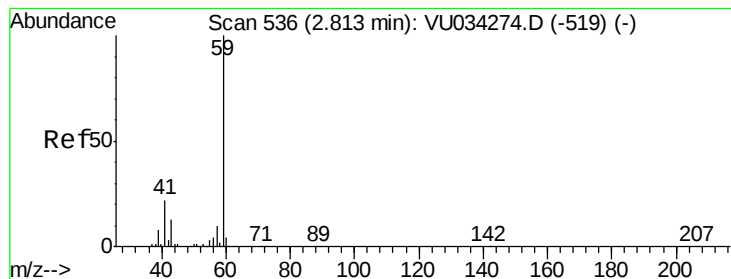


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



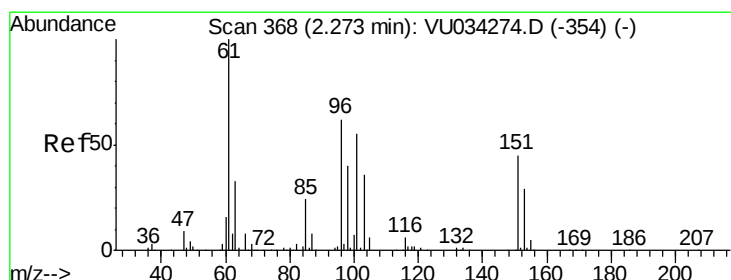
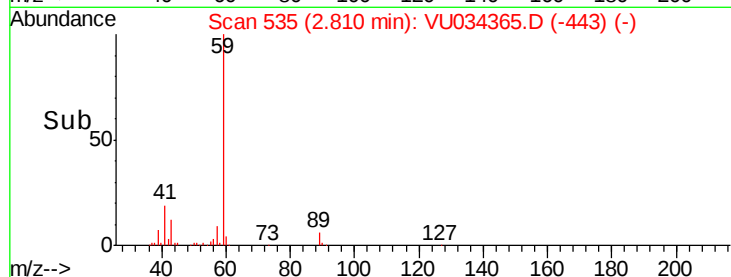
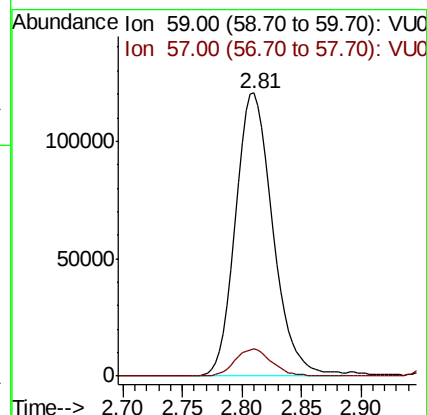
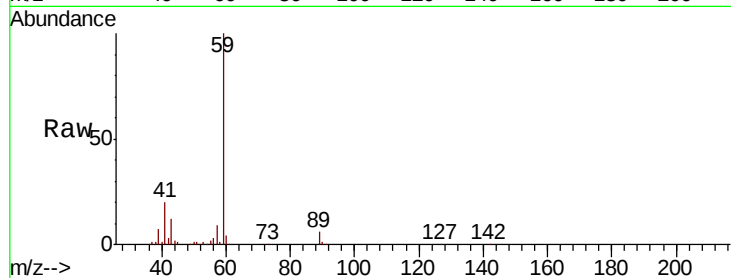


#11

Tert butyl alcohol
 Concen: 270.366 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

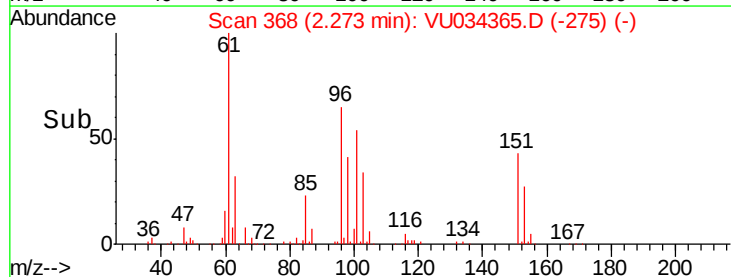
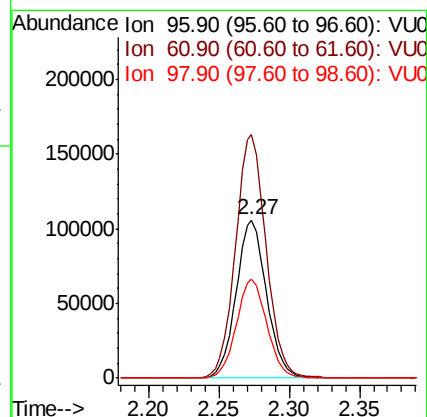
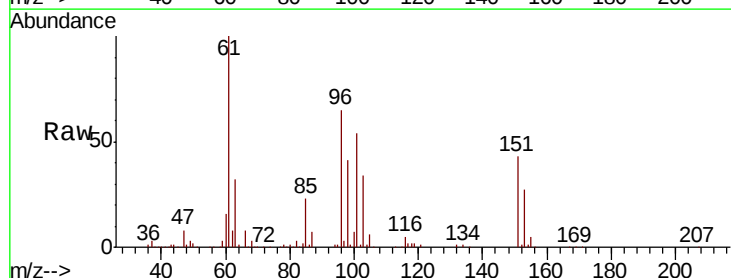
Tgt Ion: 59 Resp: 262478
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.9 11.9

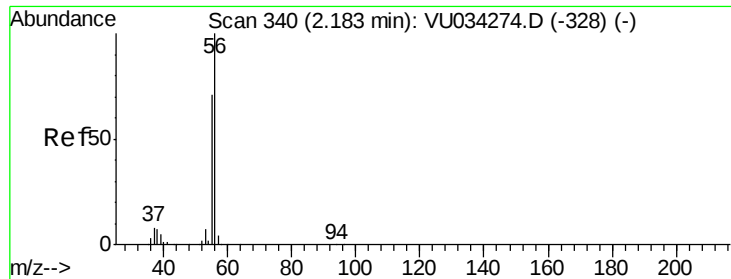


#12

1,1-Dichloroethene
 Concen: 48.517 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion: 96 Resp: 160321
 Ion Ratio Lower Upper
 96 100
 61 153.6 130.0 195.0
 98 62.4 52.2 78.4





#13

Acrolein

Concen: 148.180 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

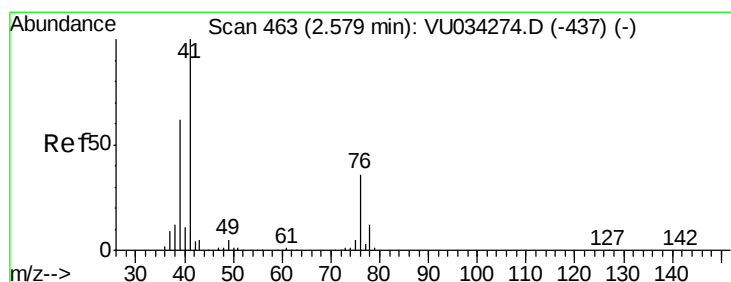
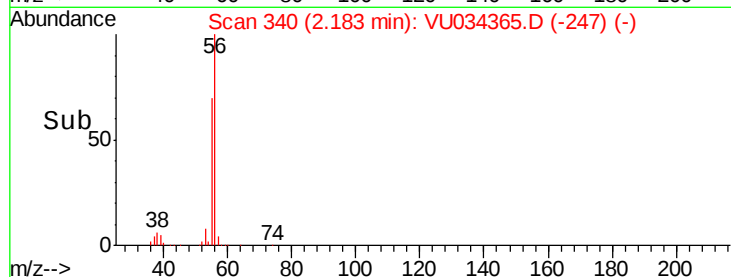
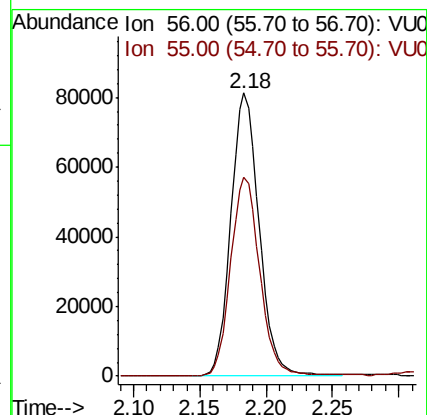
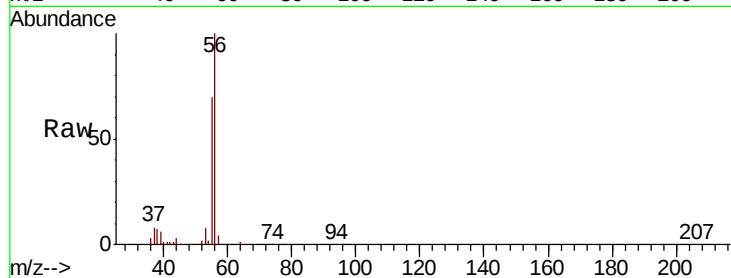
S13-0263MSD

Tgt Ion: 56 Resp: 120910

Ion Ratio Lower Upper

56 100

55 72.6 57.4 86.2



#14

Allyl chloride

Concen: 40.352 ug/l

RT: 2.58 min Scan# 463

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

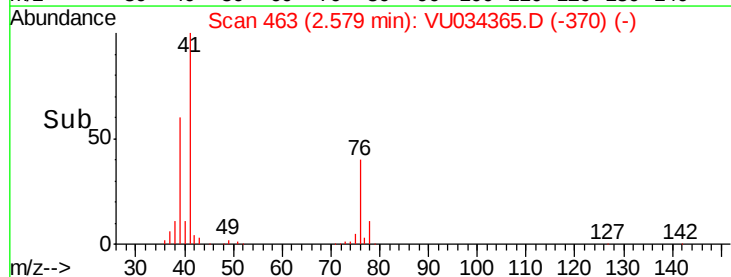
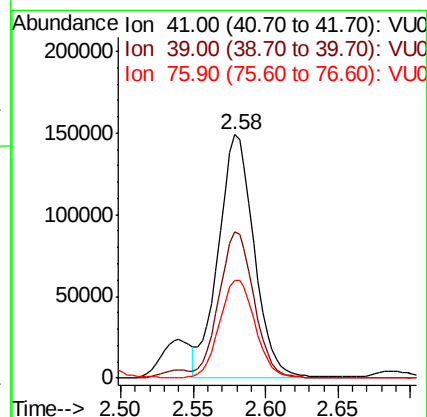
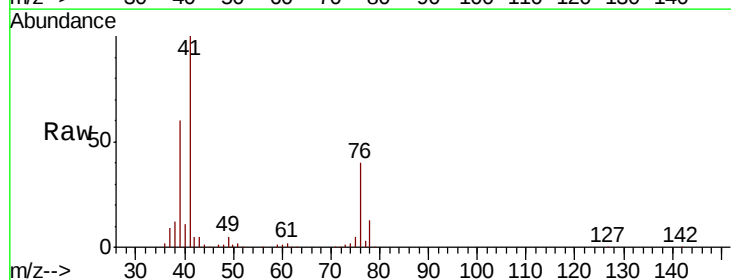
Tgt Ion: 41 Resp: 254925

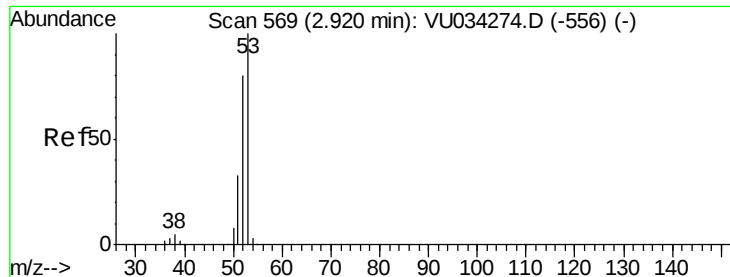
Ion Ratio Lower Upper

41 100

39 58.7 43.5 65.3

76 39.9 27.0 40.6





#15

Acrylonitrile

Concen: 254.746 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

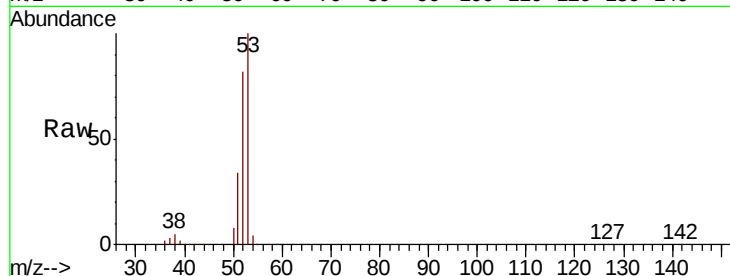
Tgt Ion: 53 Resp: 615869

Ion Ratio Lower Upper

53 100

52 82.0 64.1 96.1

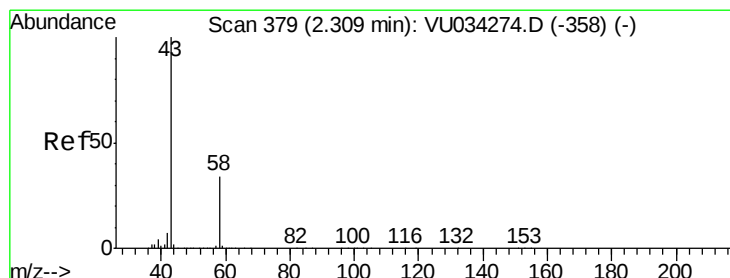
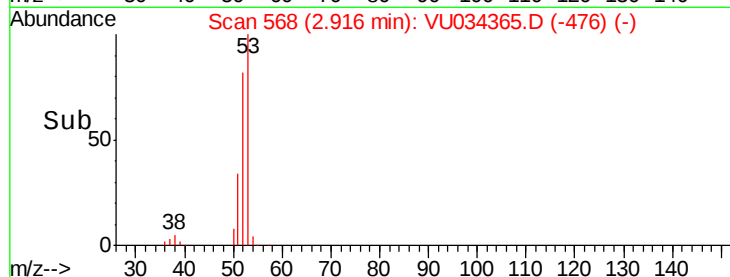
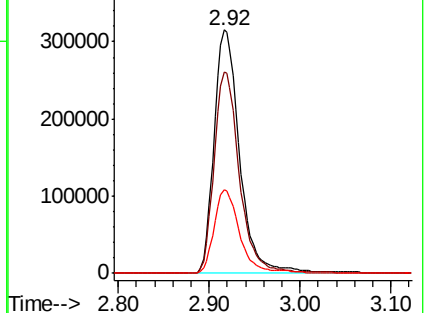
51 34.6 27.4 41.0



Abundance Ion 53.00 (52.70 to 53.70): VU034365.D (-286) (-)

Ion 52.00 (51.70 to 52.70): VU034365.D (-286) (-)

Ion 51.00 (50.70 to 51.70): VU034365.D (-286) (-)



#16

Acetone

Concen: 203.556 ug/l

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VU034365.D

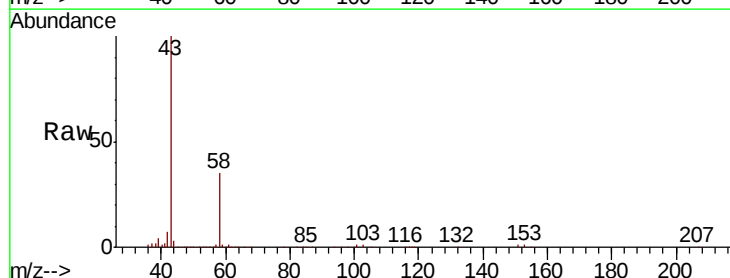
Acq: 07 Sep 2019 05:18

Tgt Ion: 43 Resp: 484068

Ion Ratio Lower Upper

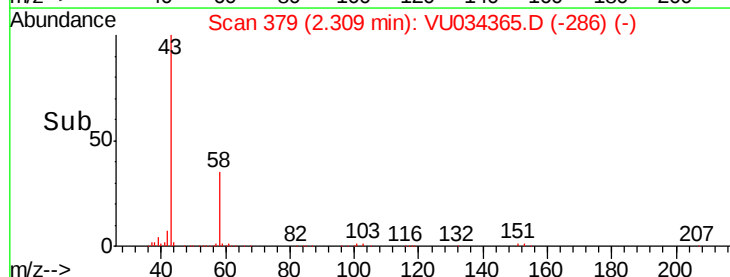
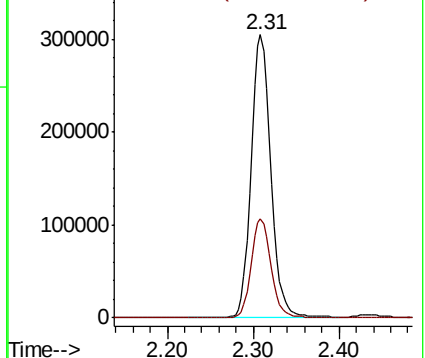
43 100

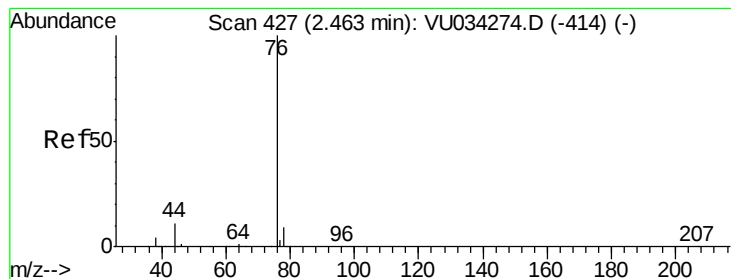
58 35.1 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VU034365.D (-286) (-)

Ion 58.00 (57.70 to 58.70): VU034365.D (-286) (-)





#17

Carbon Disulfide

Concen: 42.523 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

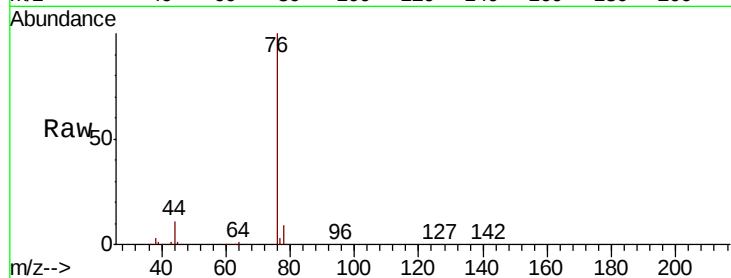
S13-0263MSD

Tgt Ion: 76 Resp: 315810

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VU034274.D (-414) (-)

Ion 77.90 (77.60 to 78.60): VU034274.D (-414) (-)

2.47

200000

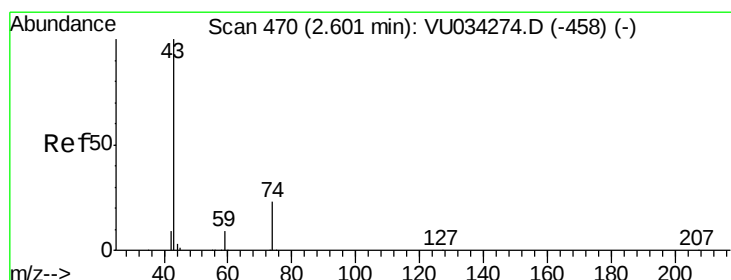
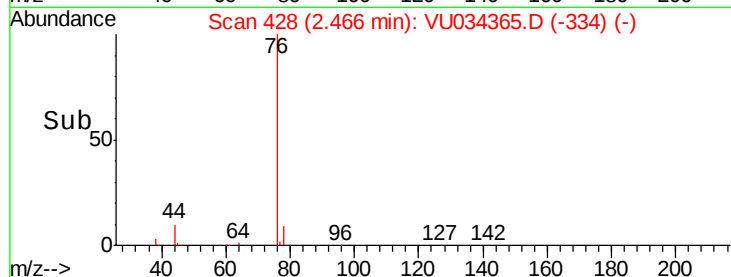
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 42.619 ug/l

RT: 2.60 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU034365.D

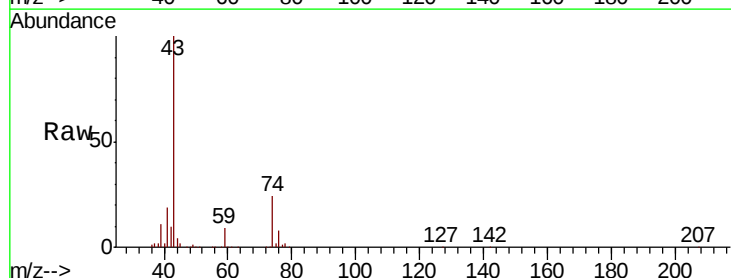
Acq: 07 Sep 2019 05:18

Tgt Ion: 43 Resp: 246614

Ion Ratio Lower Upper

43 100

74 24.4 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU034274.D (-458) (-)

2.60

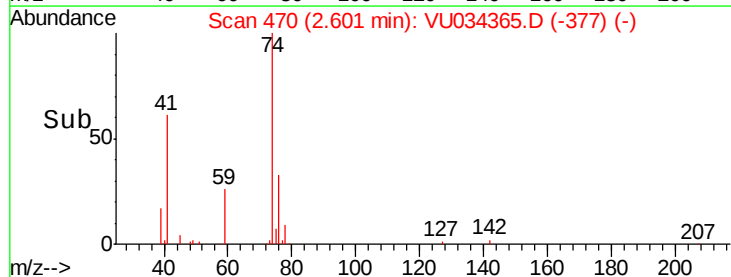
150000

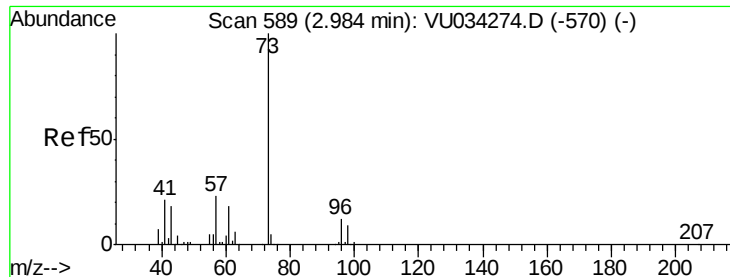
100000

50000

0

Time-->

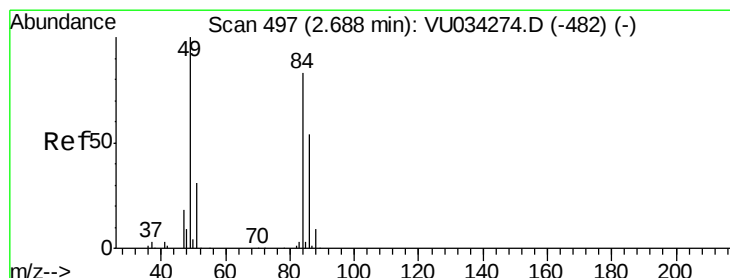
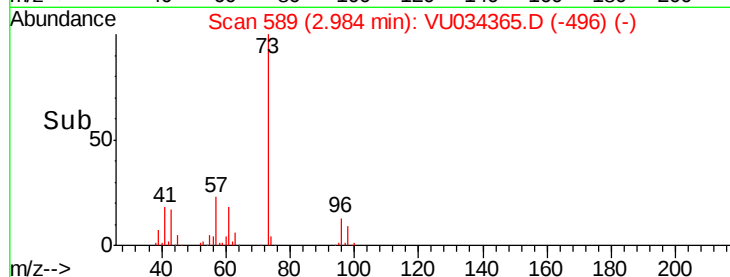
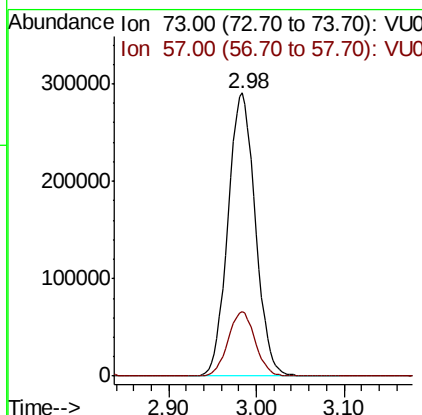
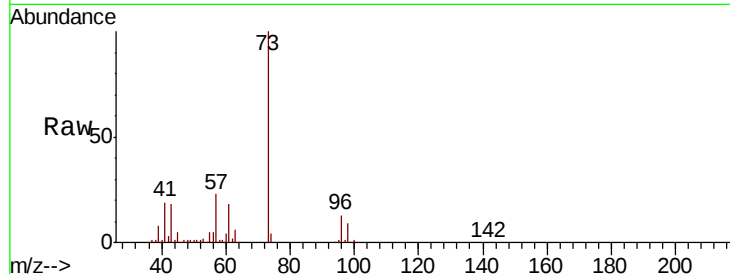




#19
Methyl tert-butyl Ether
Concen: 52.409 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

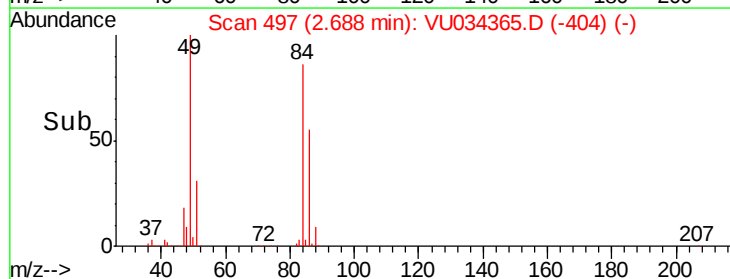
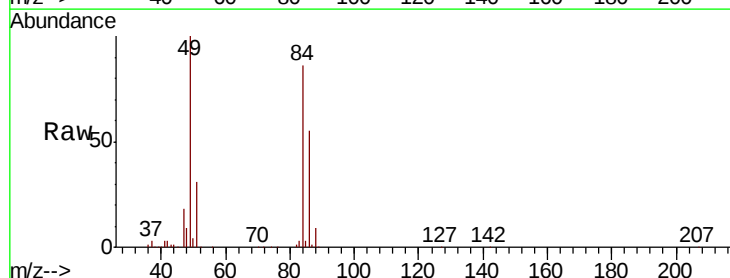
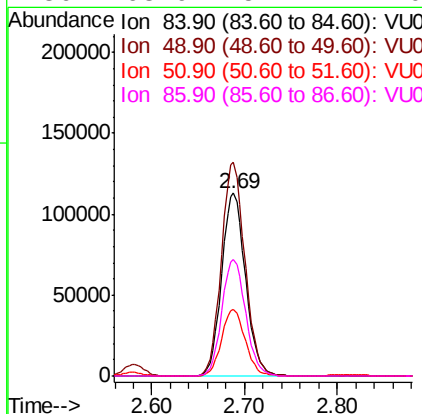
Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

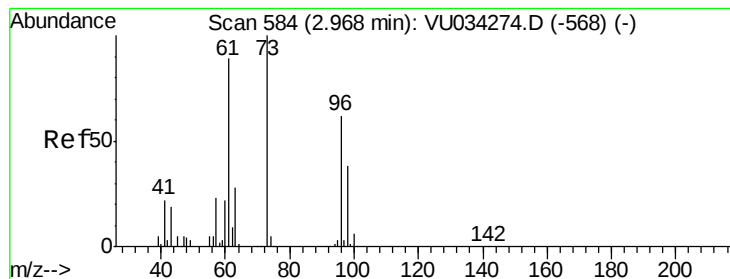
Tgt Ion: 73 Resp: 631236
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.4



#20
Methylene Chloride
Concen: 51.798 ug/l
RT: 2.69 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion: 84 Resp: 201700
Ion Ratio Lower Upper
84 100
49 116.8 96.0 144.0
51 36.1 30.0 45.0
86 63.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 48.321 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

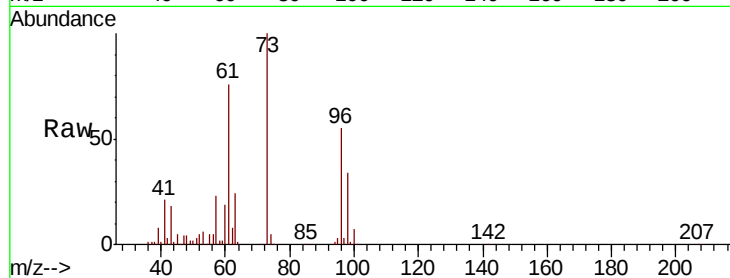
Tgt Ion: 96 Resp: 168265

Ion Ratio Lower Upper

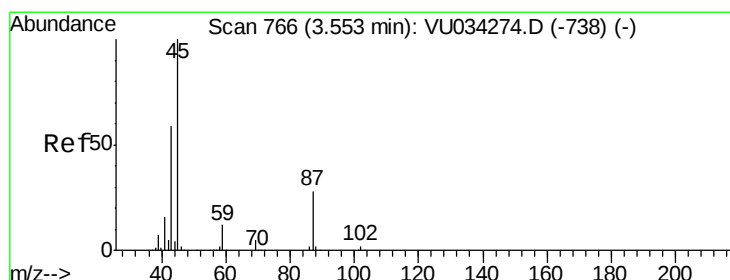
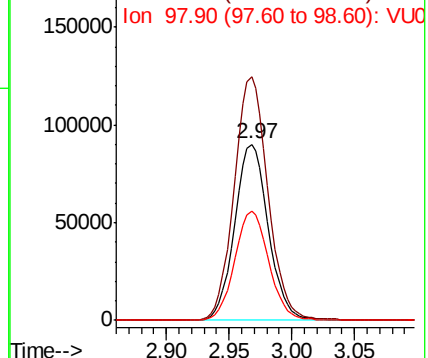
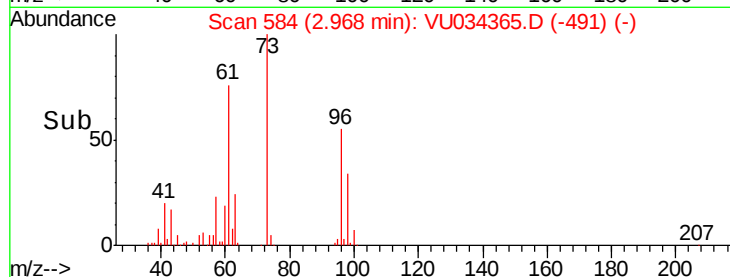
96 100

61 138.2 114.8 172.2

98 62.4 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VU034365.D (-491) (-)



#22

Diisopropyl ether

Concen: 50.985 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Tgt Ion: 45 Resp: 628132

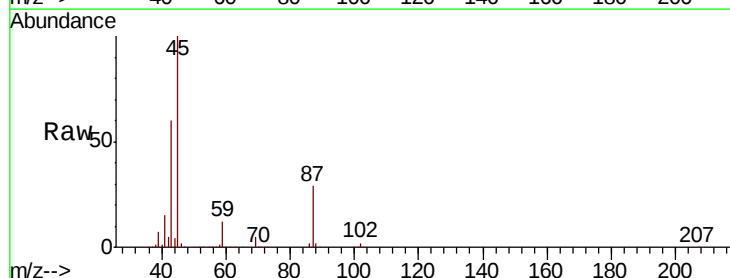
Ion Ratio Lower Upper

45 100

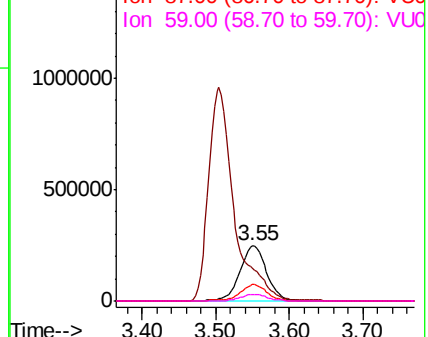
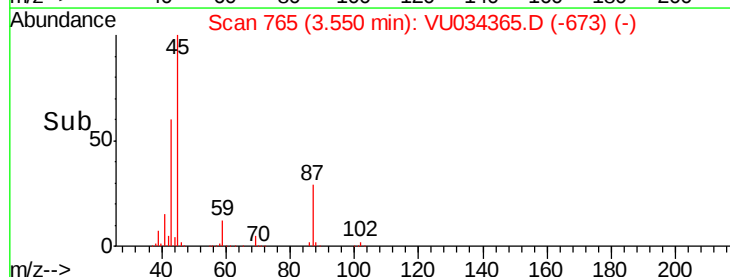
43 59.3 47.5 71.3

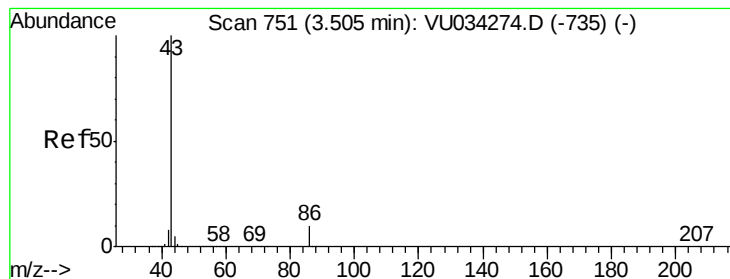
87 29.0 22.2 33.4

59 12.3 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VU034365.D (-673) (-)





#23

Vinyl Acetate

Concen: 231.624 ug/l

RT: 3.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampled :

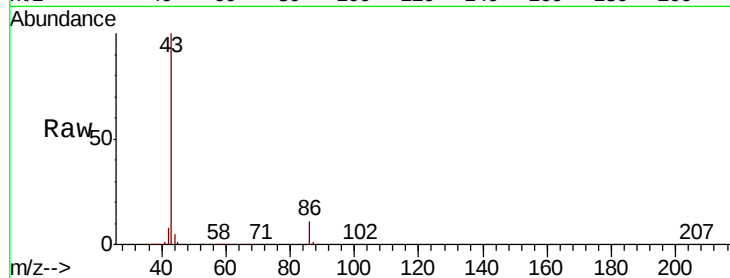
S13-0263MSD

Tgt Ion: 43 Resp: 2324439

Ion Ratio Lower Upper

43 100

86 11.0 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VU034365.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034365.D (-658) (-)

3.50

800000

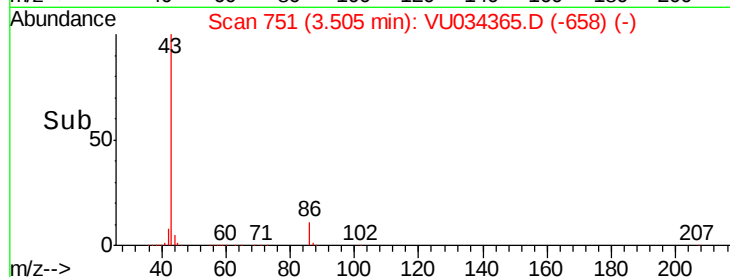
600000

400000

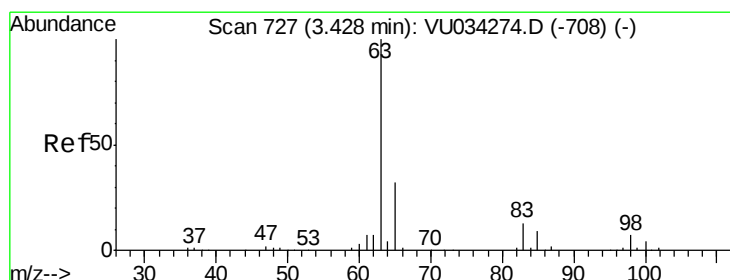
200000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 47.953 ug/l

RT: 3.43 min Scan# 727

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

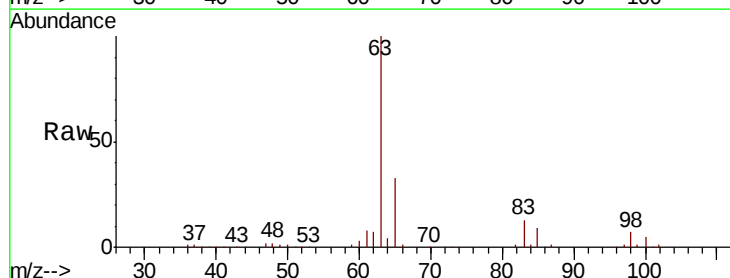
Tgt Ion: 63 Resp: 352809

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 4.6 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034365.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034365.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034365.D (-634) (-)

3.43

200000

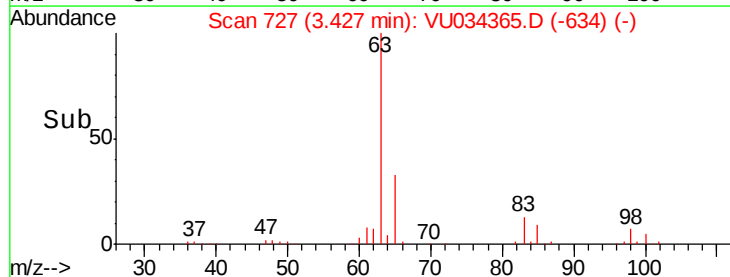
150000

100000

50000

0

Time-->





#25

2-Butanone

Concen: 248.956 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

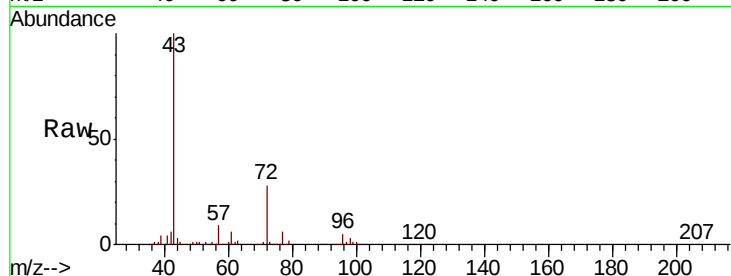
S13-0263MSD

Tgt Ion: 43 Resp: 790286

Ion Ratio Lower Upper

43 100

72 28.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-961) (-)

4.23

300000

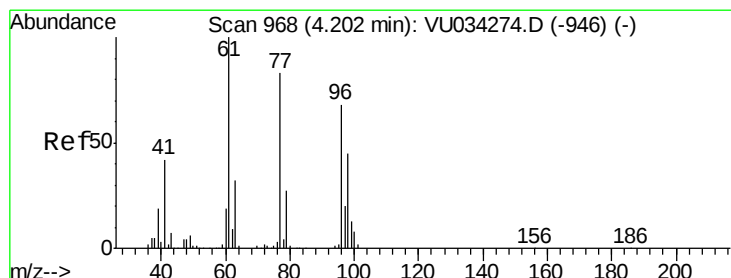
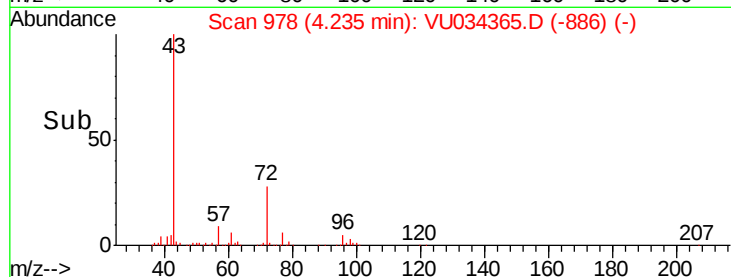
200000

100000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 36.943 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034365.D

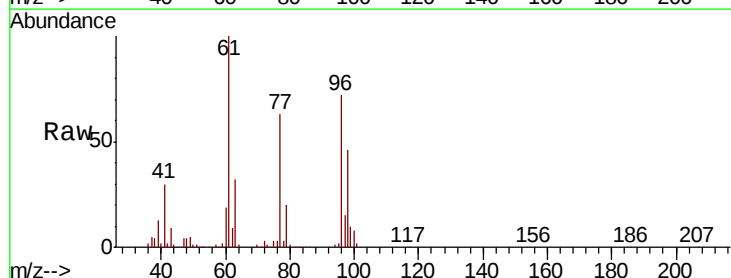
Acq: 07 Sep 2019 05:18

Tgt Ion: 77 Resp: 218609

Ion Ratio Lower Upper

77 100

97 24.9 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034274.D (-946) (-)

Ion 96.90 (96.60 to 97.60): VU034274.D (-946) (-)

4.20

80000

60000

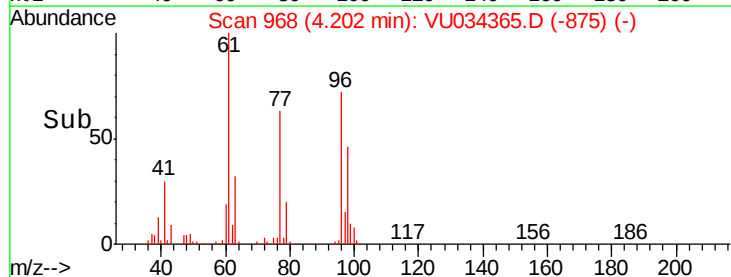
40000

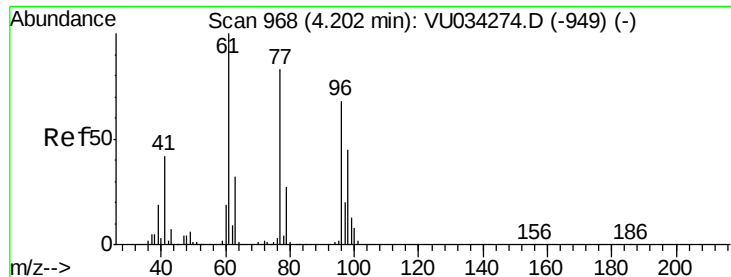
20000

0

4.10 4.20 4.30

Time-->



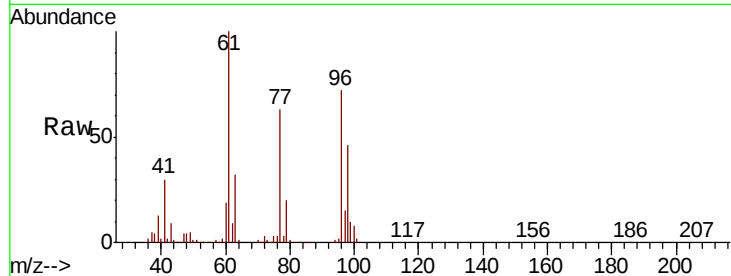


#27

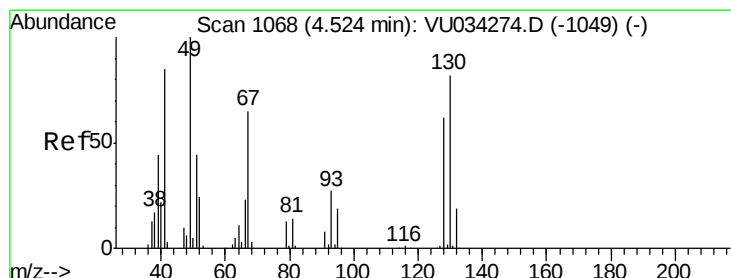
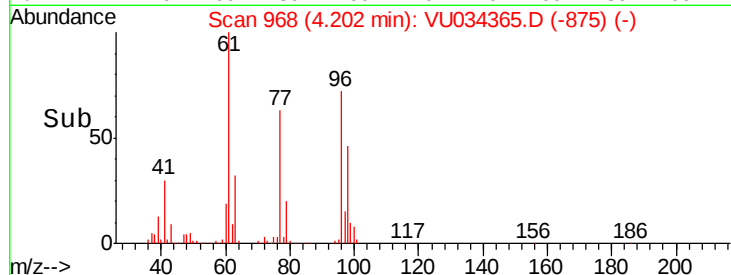
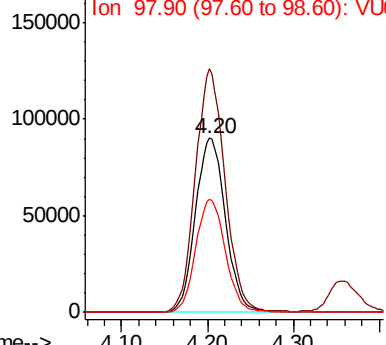
cis-1,2-Dichloroethene
Concen: 51.824 ug/l
RT: 4.20 min Scan# 968
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

Tgt Ion: 96 Resp: 219180
Ion Ratio Lower Upper
96 100
61 138.3 0.0 297.4
98 64.2 0.0 130.0



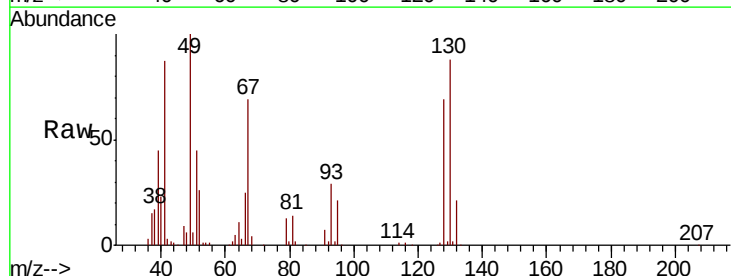
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



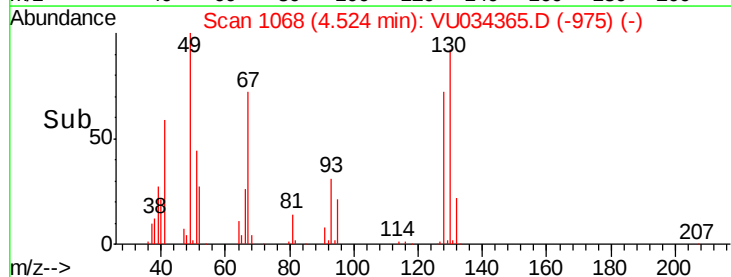
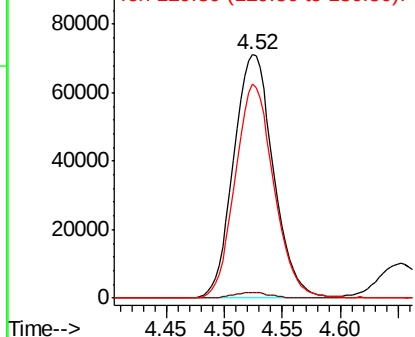
#28

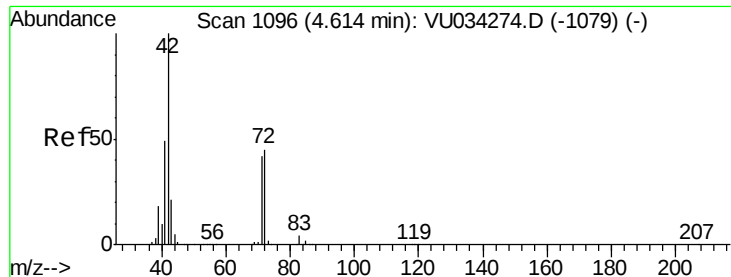
Bromochloromethane
Concen: 50.209 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion: 49 Resp: 169912
Ion Ratio Lower Upper
49 100
129 2.1 0.0 3.8
130 85.4 65.2 97.8



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

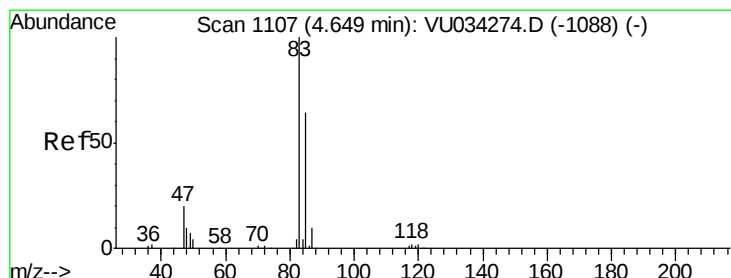
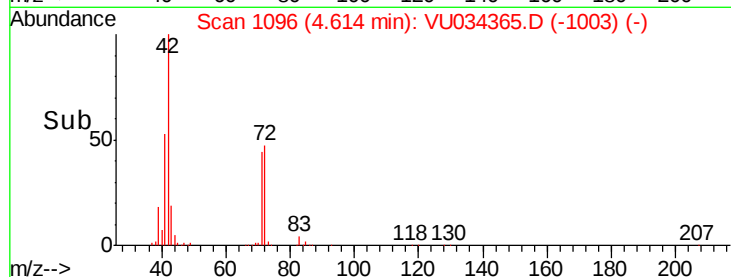
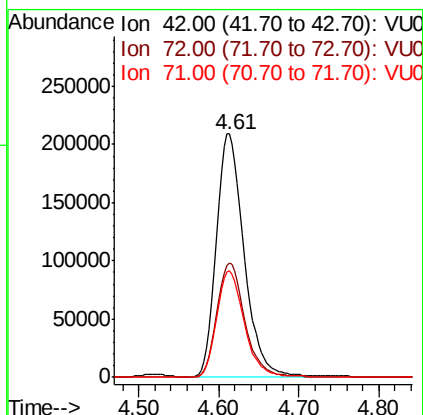
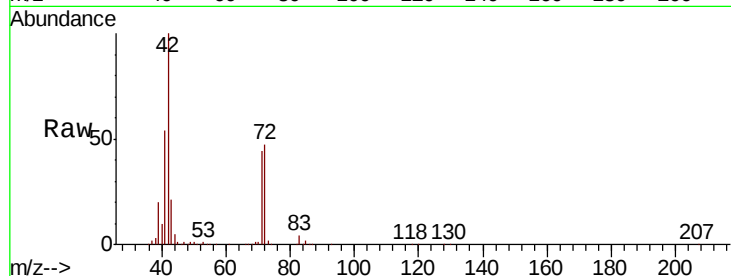




#29
Tetrahydrofuran
Concen: 259.708 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

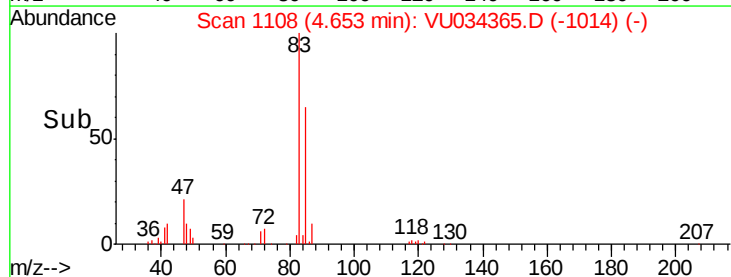
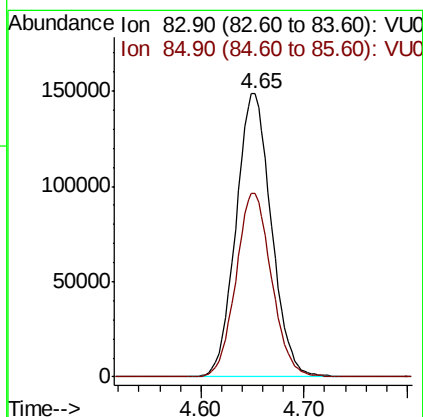
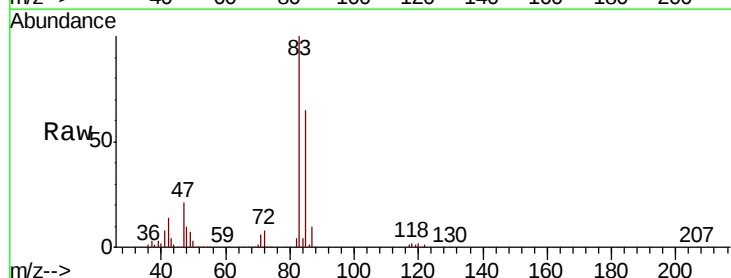
Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

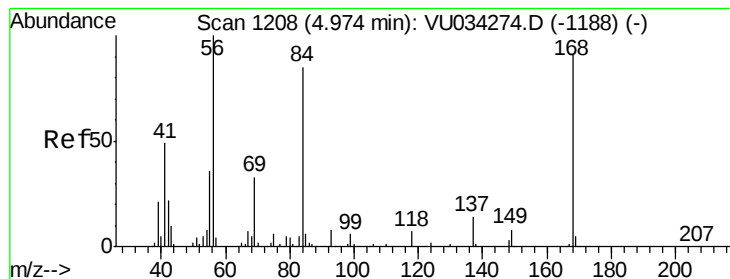
Tgt Ion: 42 Resp: 501662
Ion Ratio Lower Upper
42 100
72 47.4 36.6 54.8
71 44.0 34.3 51.5



#30
Chloroform
Concen: 47.425 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion: 83 Resp: 354672
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3





#31

Cyclohexane

Concen: 46.182 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

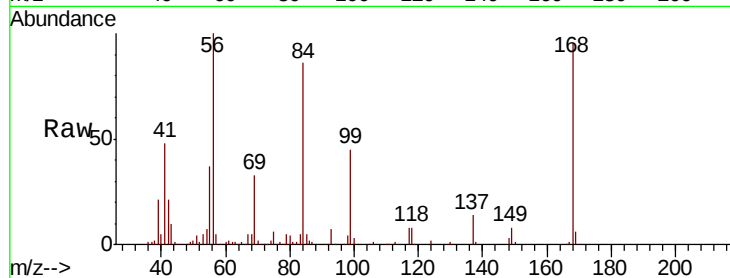
Tgt Ion: 56 Resp: 248579

Ion Ratio Lower Upper

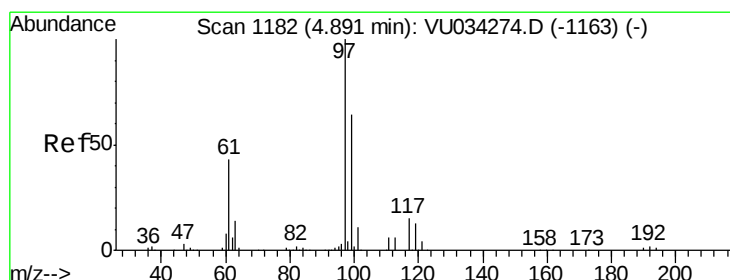
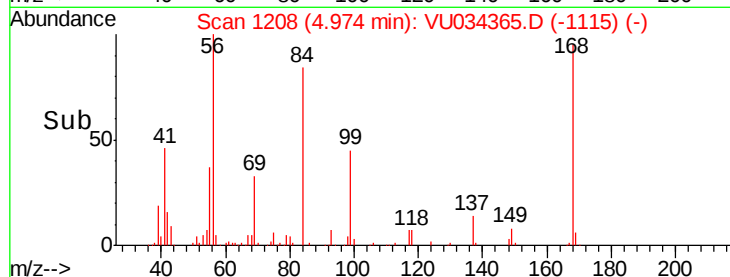
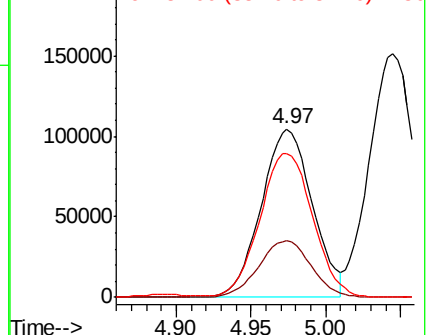
56 100

69 33.5 26.7 40.1

84 84.7 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 49.034 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

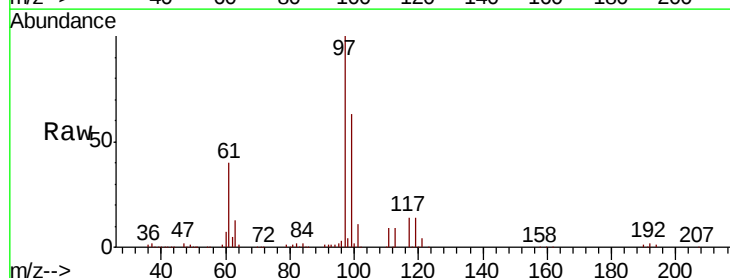
Tgt Ion: 97 Resp: 293190

Ion Ratio Lower Upper

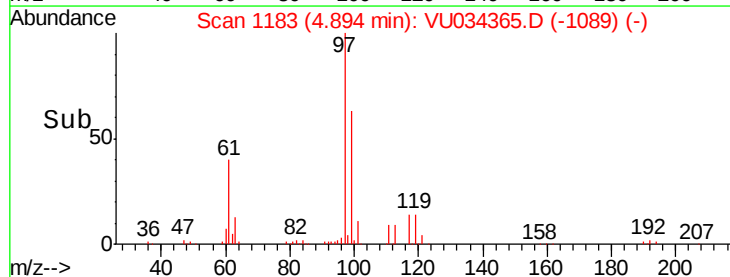
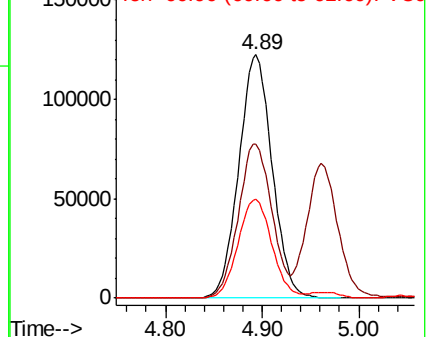
97 100

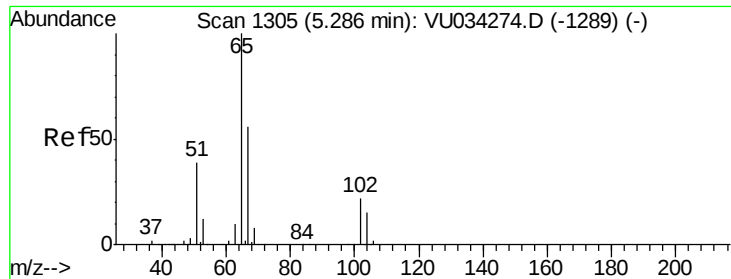
99 63.9 50.9 76.3

61 41.4 34.7 52.1



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0

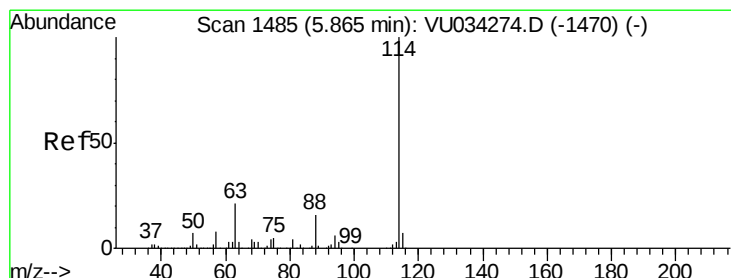
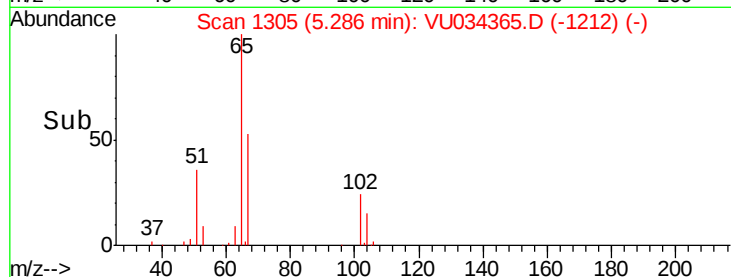
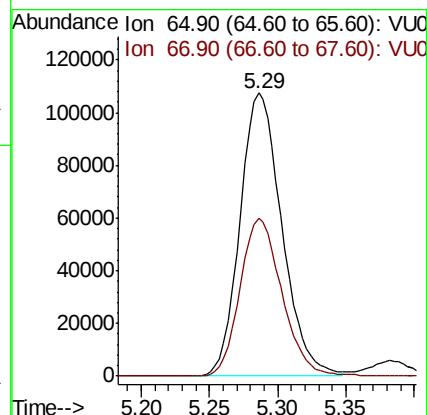
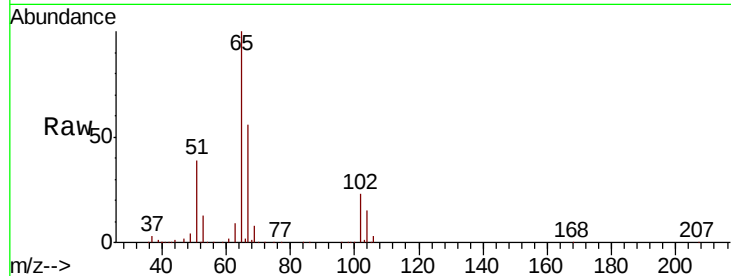




#33
 1,2-Dichloroethane-d4
 Concen: 49.779 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

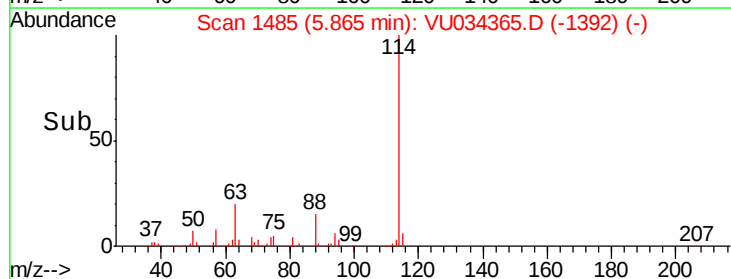
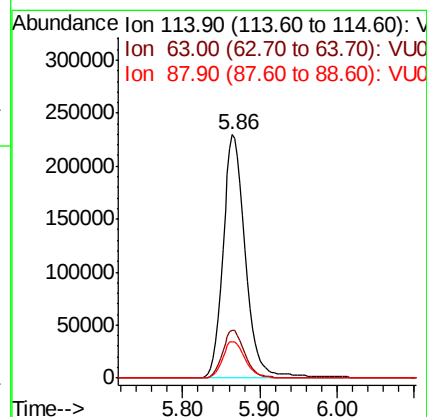
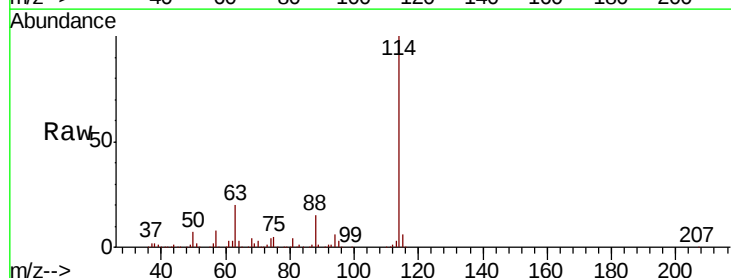
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

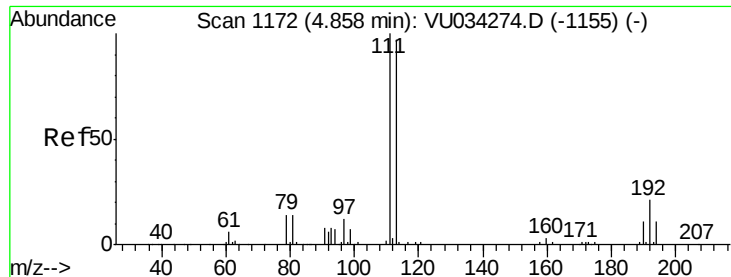
Tgt Ion: 65 Resp: 228750
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 112.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion: 114 Resp: 464551
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.4
 88 15.2 0.0 32.4

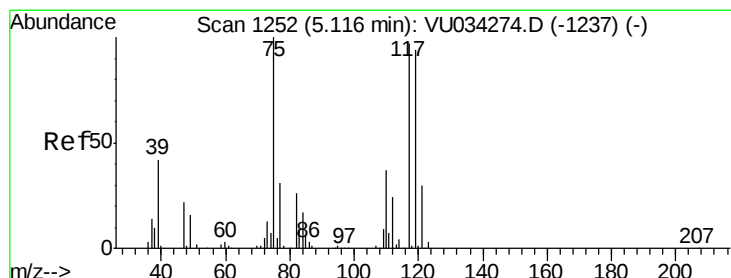
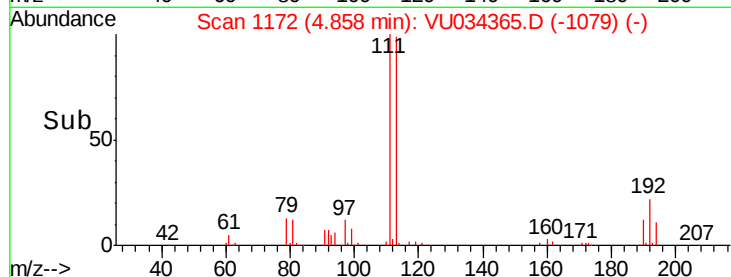
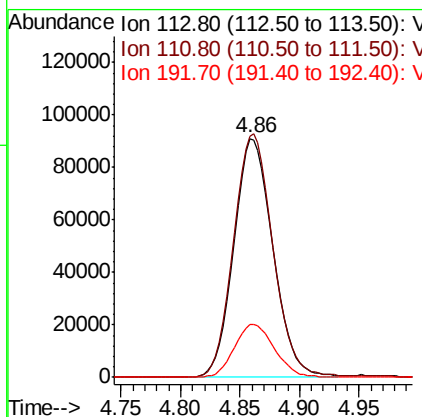
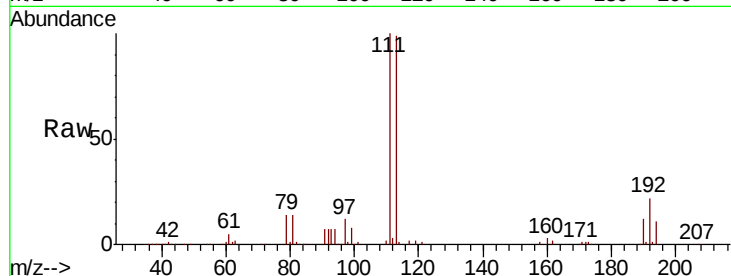




#35
 Dibromofluoromethane
 Concen: 48.002 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

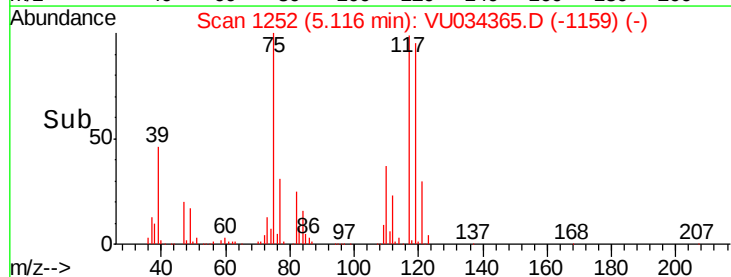
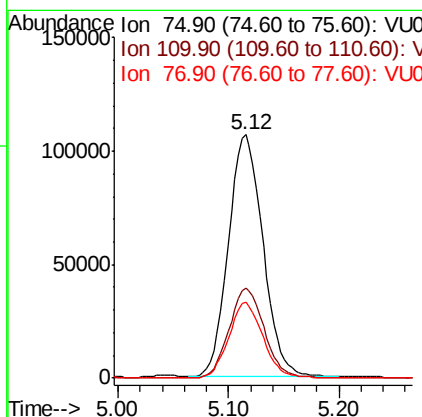
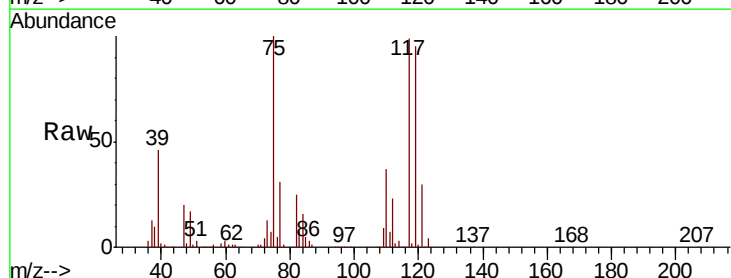
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

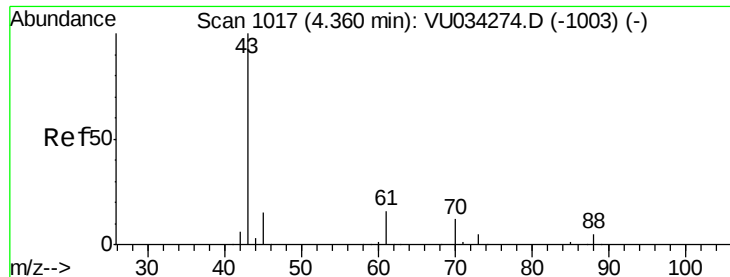
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.5	122.3
192	22.7	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 46.048 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	18.3	54.9
77	30.7	24.9	37.3





#37

Ethyl Acetate

Concen: 43.249 ug/l

RT: 4.36 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

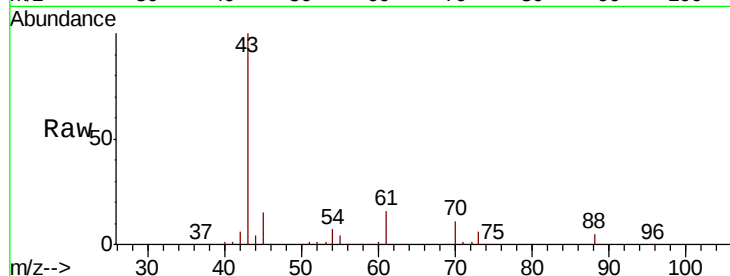
Tgt Ion: 43 Resp: 257620

Ion Ratio Lower Upper

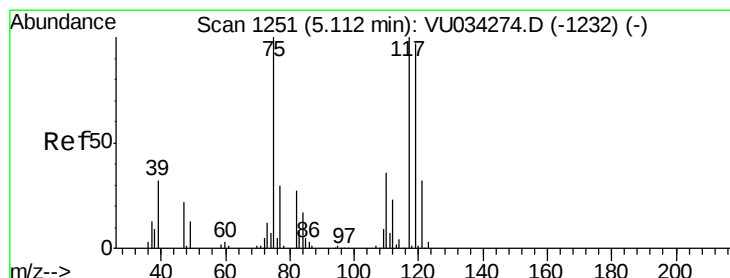
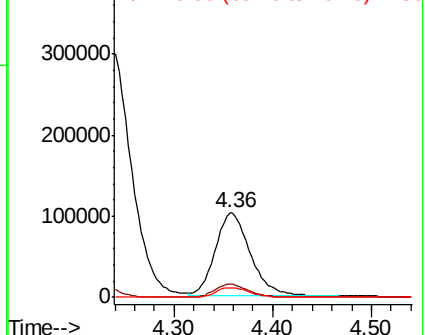
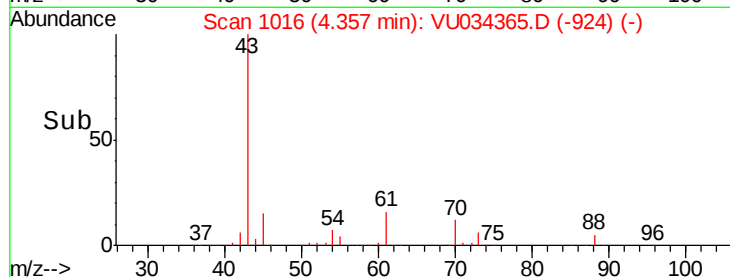
43 100

61 15.4 12.3 18.5

70 11.4 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VU034365.D (-924) (-)



#38

Carbon Tetrachloride

Concen: 45.658 ug/l

RT: 5.11 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

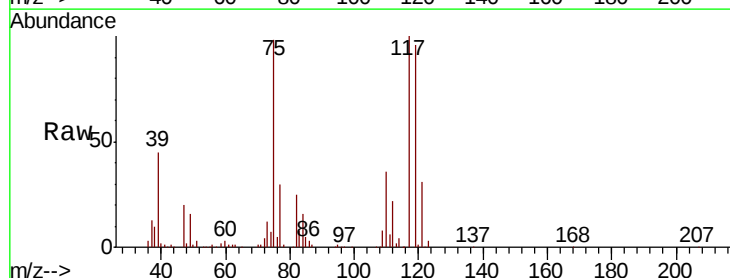
Tgt Ion: 117 Resp: 245610

Ion Ratio Lower Upper

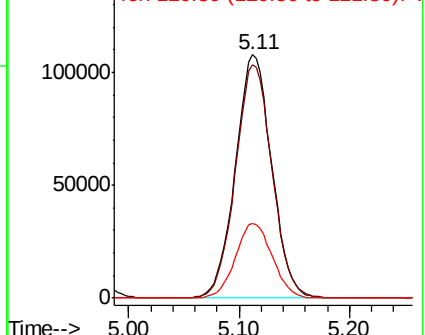
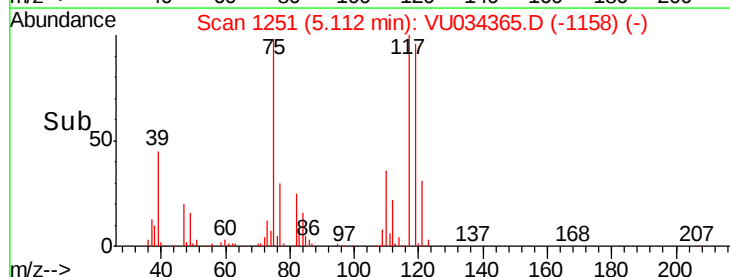
117 100

119 96.0 77.8 116.6

121 30.7 25.2 37.8



Abundance Ion 116.80 (116.50 to 117.50): VU034365.D (-1158) (-)

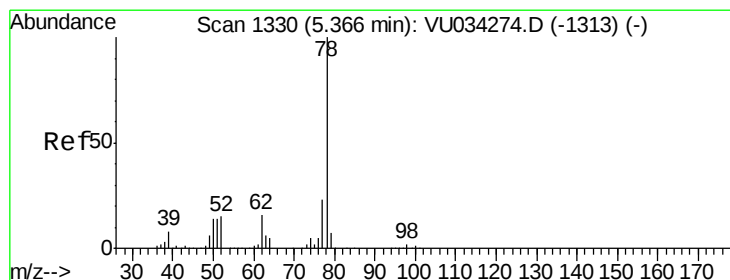
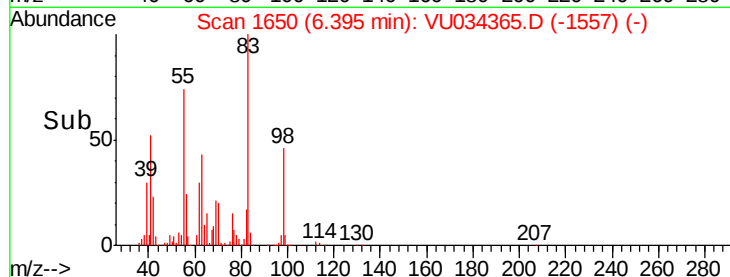
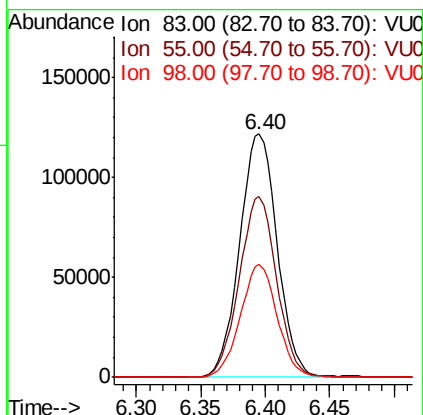
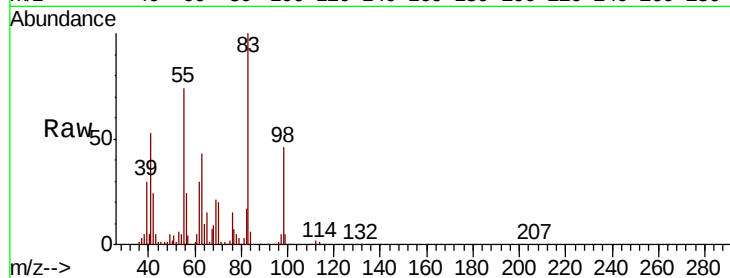




#39
Methylcyclohexane
Concen: 45.941 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

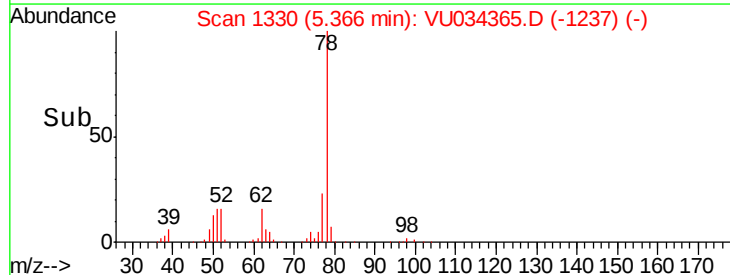
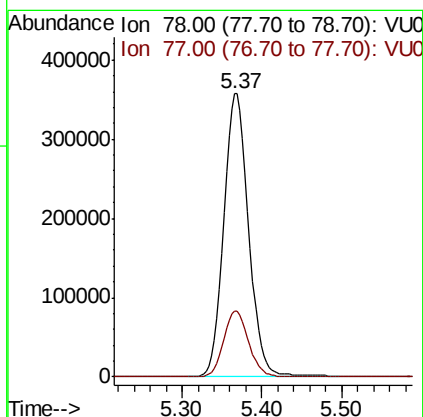
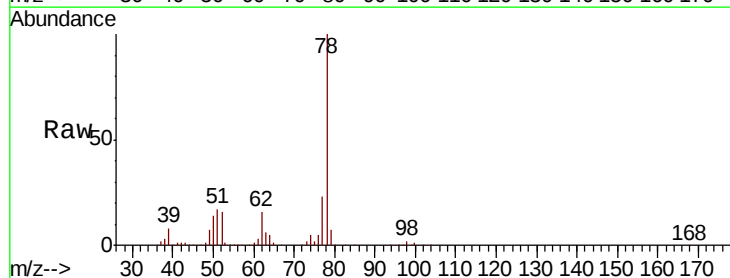
Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

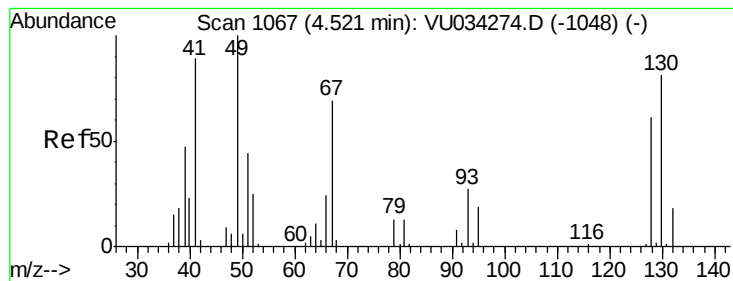
Tgt Ion: 83 Resp: 247426
Ion Ratio Lower Upper
83 100
55 74.0 62.1 93.1
98 46.2 37.0 55.6



#40
Benzene
Concen: 47.072 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion: 78 Resp: 765243
Ion Ratio Lower Upper
78 100
77 23.3 18.7 28.1





#41

Methacrylonitrile

Concen: 50.723 ug/l

RT: 4.52 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

Tgt Ion: 41 Resp: 160940

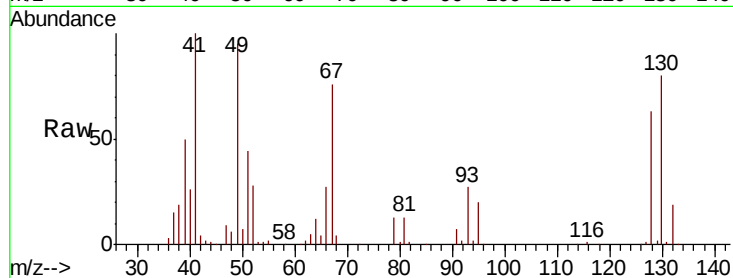
Ion Ratio Lower Upper

41 100

39 51.6 41.0 61.4

67 80.0 62.4 93.6

52 28.4 23.6 35.4

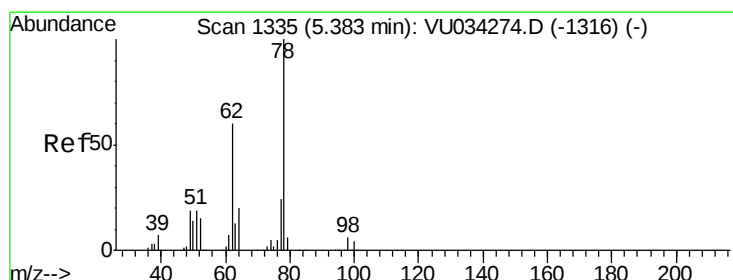
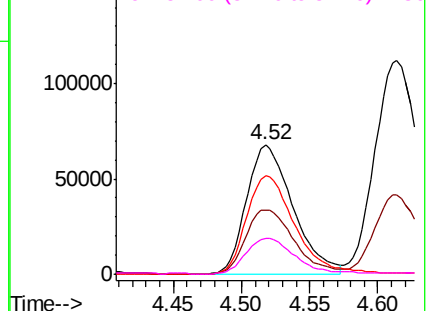
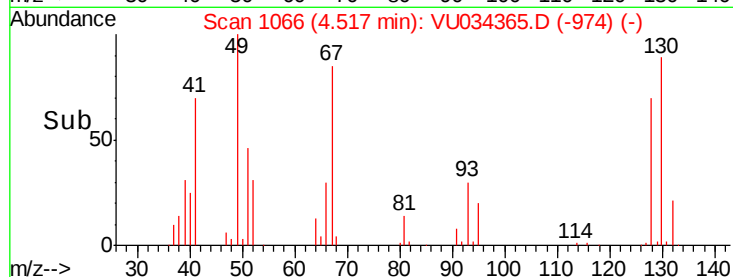


Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-1048) (-)

Ion 39.00 (38.70 to 39.70): VU034274.D (-1048) (-)

Ion 67.00 (66.70 to 67.70): VU034274.D (-1048) (-)

Ion 52.00 (51.70 to 52.70): VU034274.D (-1048) (-)



#42

1,2-Dichloroethane

Concen: 45.728 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU034365.D

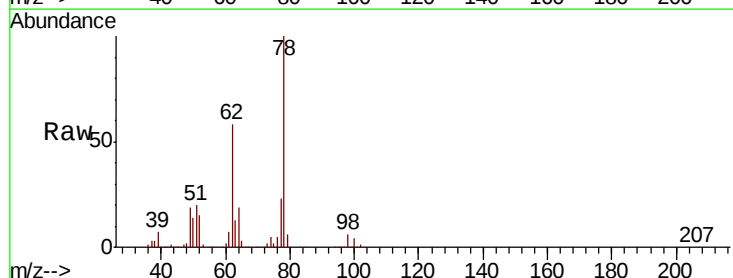
Acq: 07 Sep 2019 05:18

Tgt Ion: 62 Resp: 258098

Ion Ratio Lower Upper

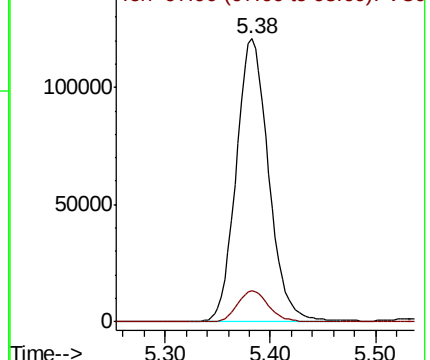
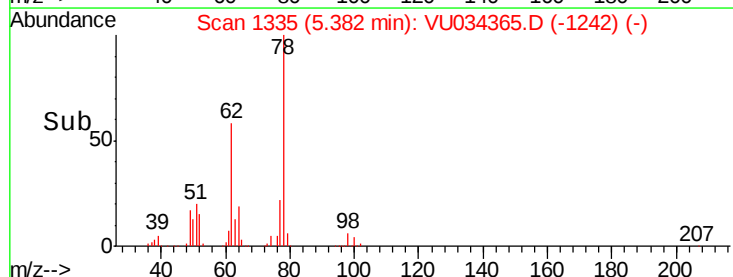
62 100

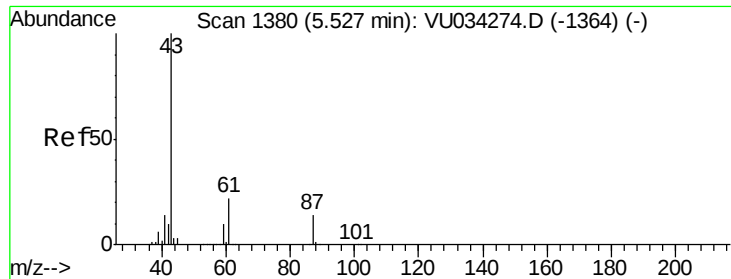
98 10.6 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VU034274.D (-1316) (-)

Ion 97.90 (97.60 to 98.60): VU034274.D (-1316) (-)





#43

Isopropyl Acetate

Concen: 45.697 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

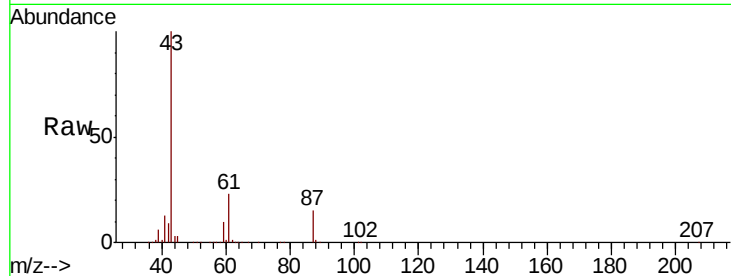
Tgt Ion: 43 Resp: 424628

Ion Ratio Lower Upper

43 100

61 22.7 17.1 25.7

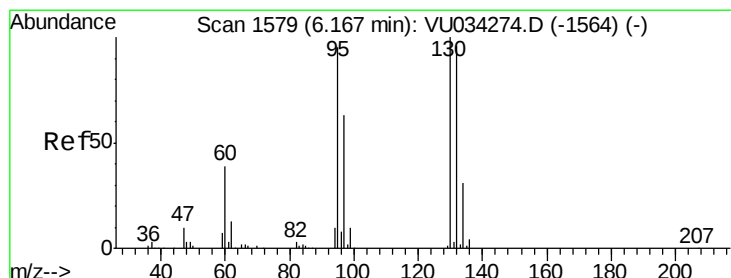
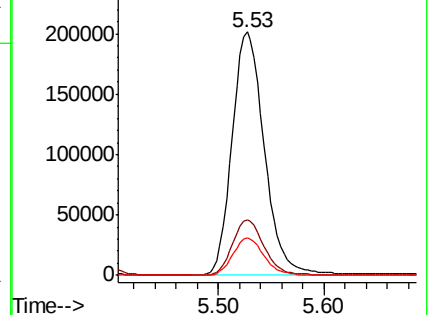
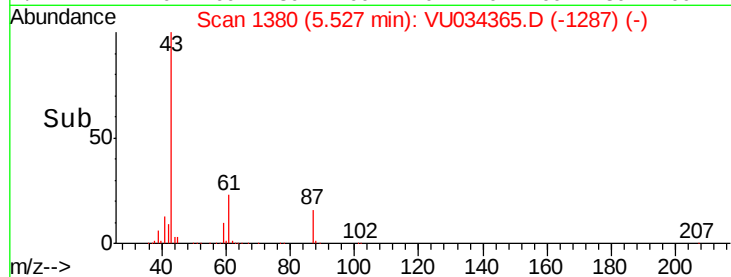
87 15.1 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VU034365.D (-1287) (-)

Ion 61.00 (60.70 to 61.70): VU034365.D (-1287) (-)

Ion 87.00 (86.70 to 87.70): VU034365.D (-1287) (-)



#44

Trichloroethene

Concen: 47.398 ug/l

RT: 6.17 min Scan# 1579

Delta R.T. -0.00 min

Lab File: VU034365.D

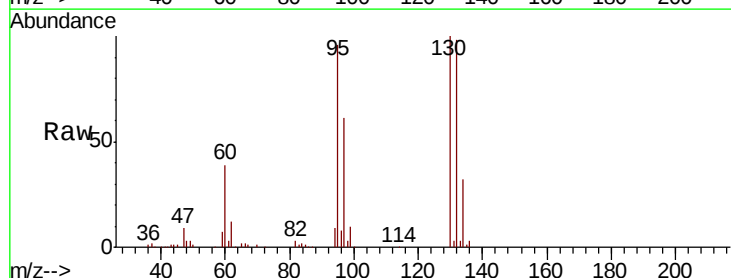
Acq: 07 Sep 2019 05:18

Tgt Ion: 130 Resp: 213222

Ion Ratio Lower Upper

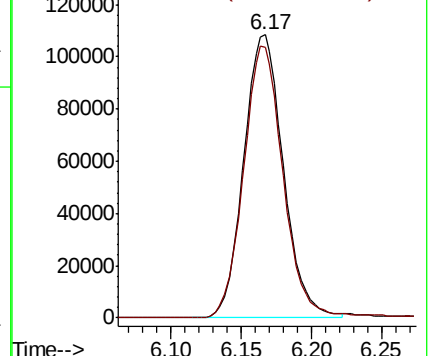
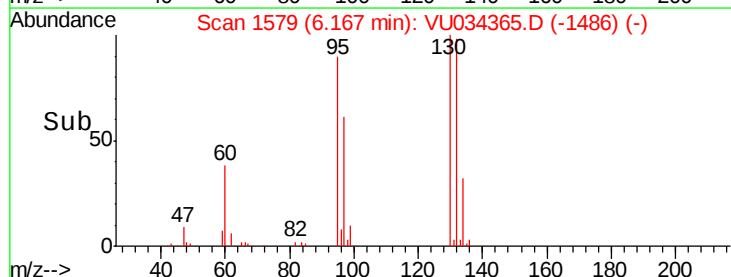
130 100

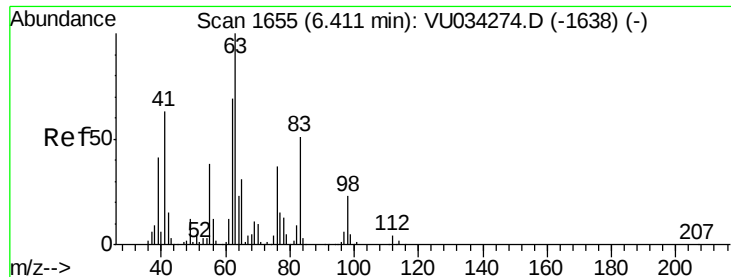
95 95.8 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034365.D (-1486) (-)

Ion 94.90 (94.60 to 95.60): VU034365.D (-1486) (-)

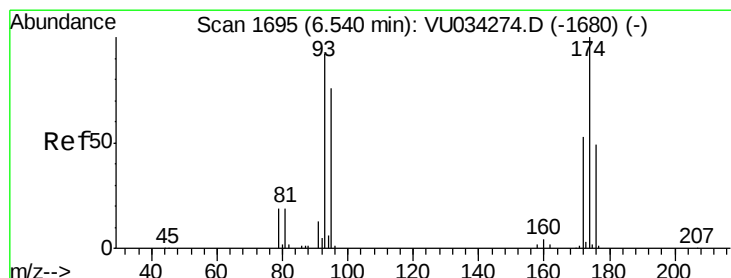
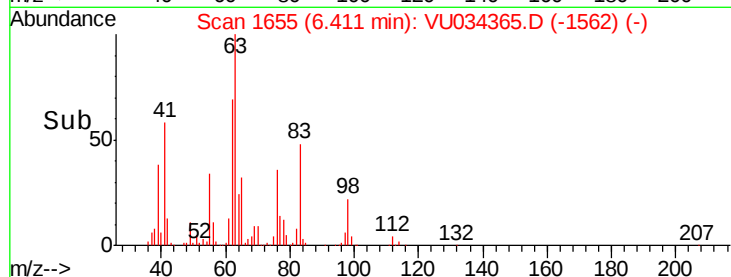
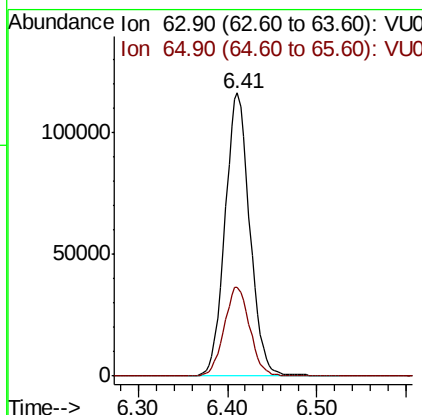
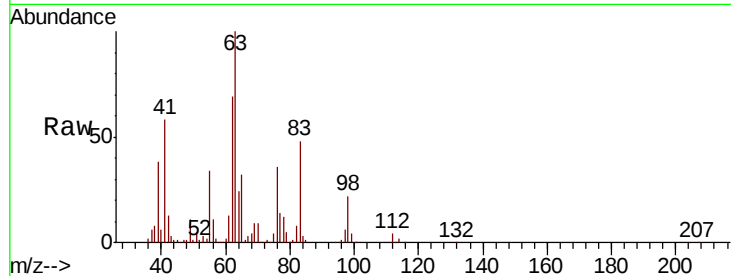




#45
 1,2-Dichloropropane
 Concen: 46.974 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

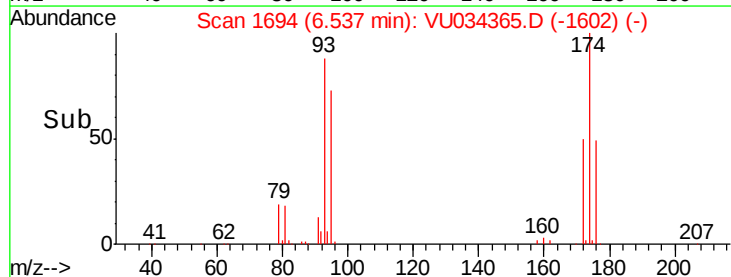
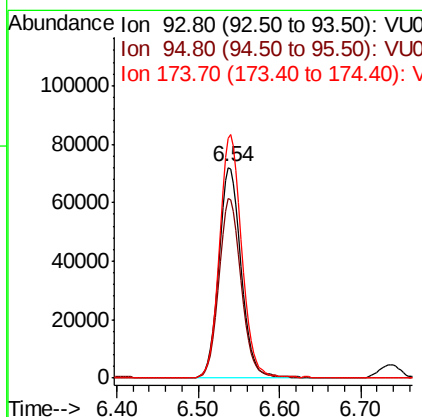
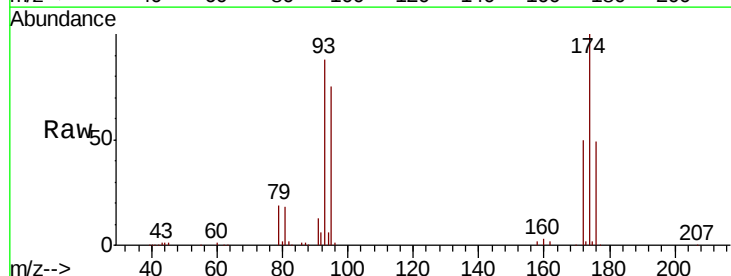
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

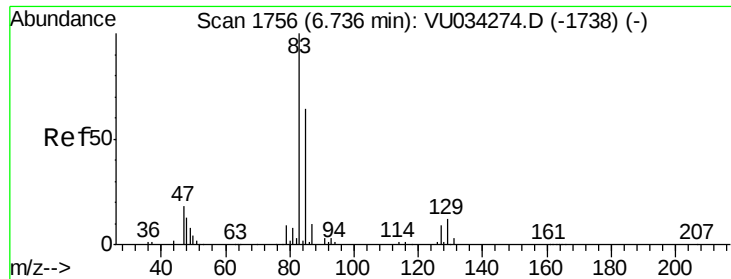
Tgt Ion: 63 Resp: 223244
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.6 37.0



#46
 Dibromomethane
 Concen: 47.185 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion: 93 Resp: 140761
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.5 99.7
 174 114.5 87.8 131.6





#47

Bromodichloromethane

Concen: 46.533 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

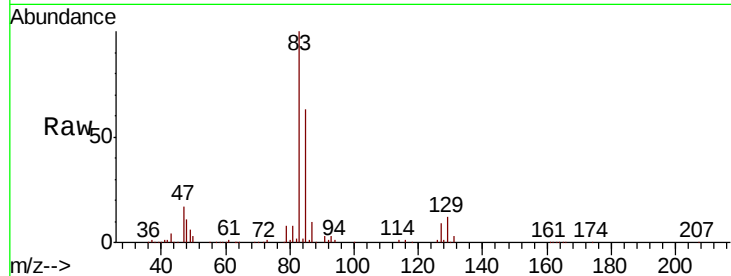
Tgt Ion: 83 Resp: 285739

Ion Ratio Lower Upper

83 100

85 62.7 51.1 76.7

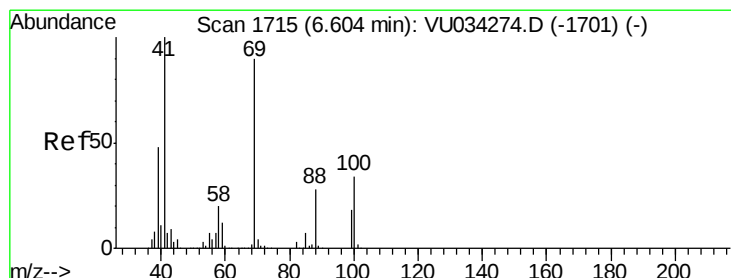
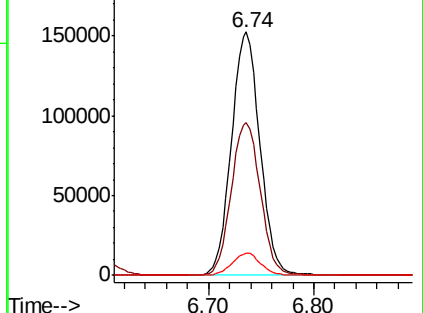
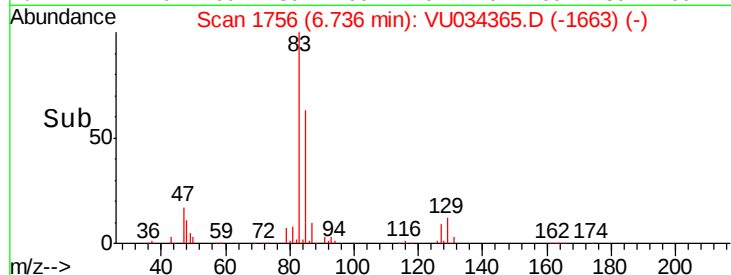
127 9.2 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VU034365.D (-1663) (-)

Ion 84.90 (84.60 to 85.60): VU034365.D (-1663) (-)

Ion 126.80 (126.50 to 127.50): VU034365.D (-1663) (-)



#48

Methyl methacrylate

Concen: 48.781 ug/l

RT: 6.60 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

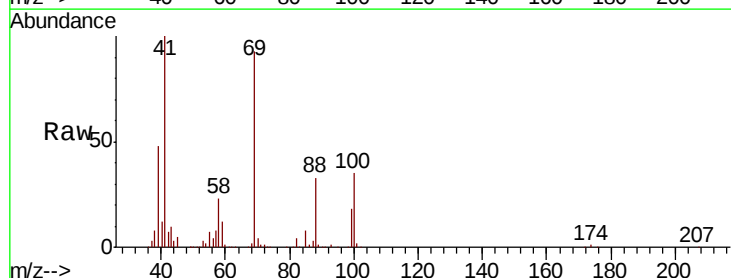
Tgt Ion: 41 Resp: 215295

Ion Ratio Lower Upper

41 100

69 94.1 72.8 109.2

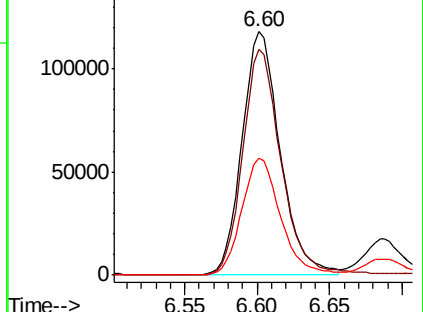
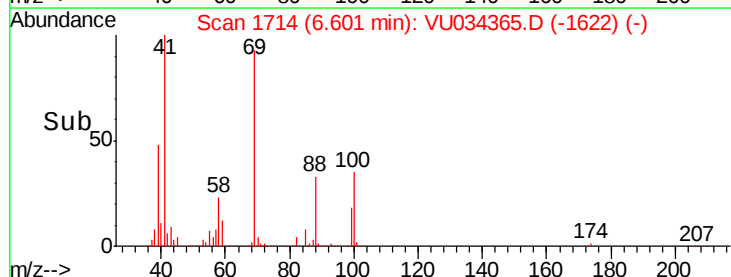
39 48.7 38.6 58.0

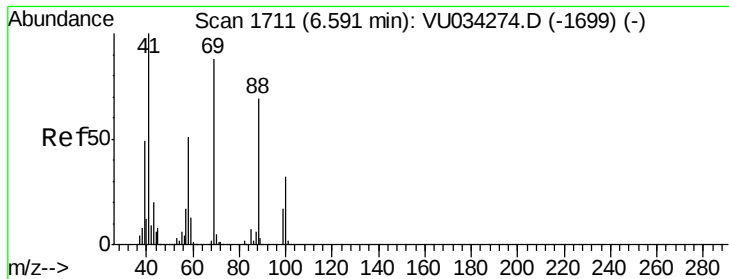


Abundance Ion 41.00 (40.70 to 41.70): VU034365.D (-1622) (-)

Ion 69.00 (68.70 to 69.70): VU034365.D (-1622) (-)

Ion 39.00 (38.70 to 39.70): VU034365.D (-1622) (-)

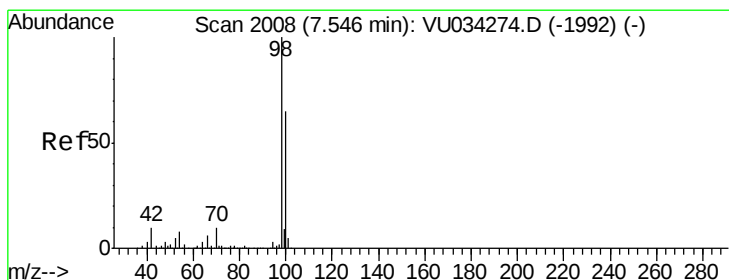
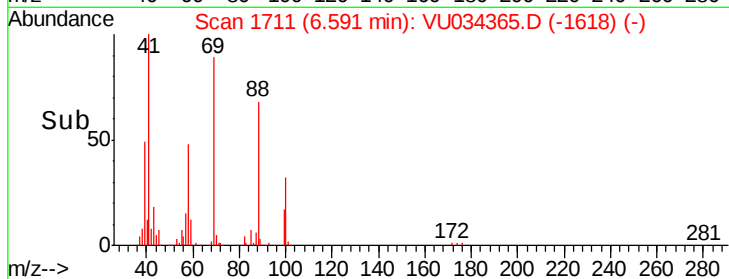
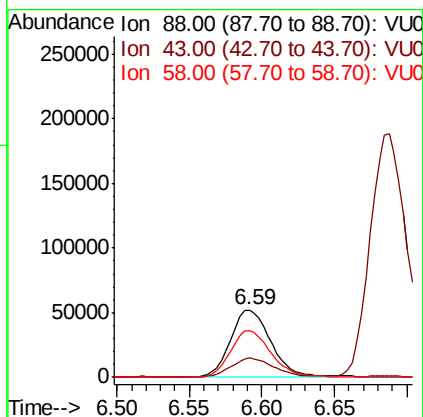
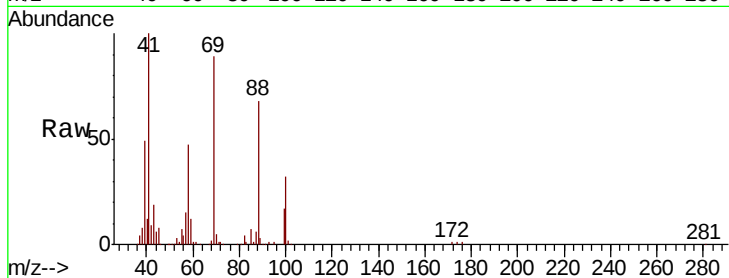




#49
1,4-Dioxane
Concen: 1034.703 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

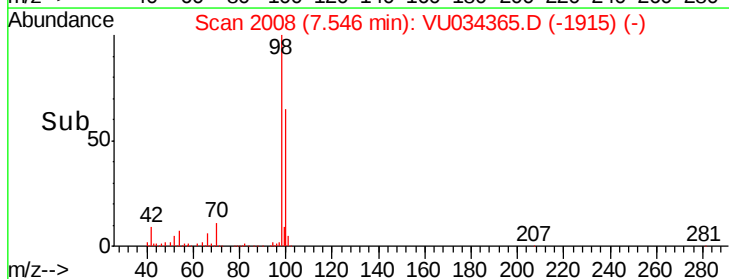
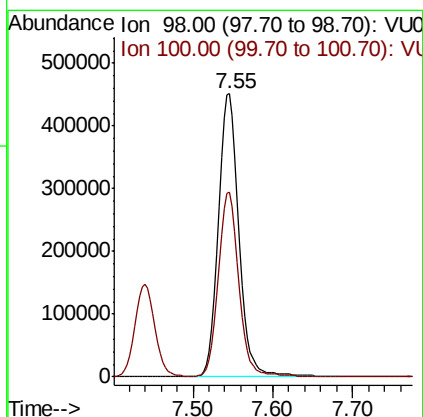
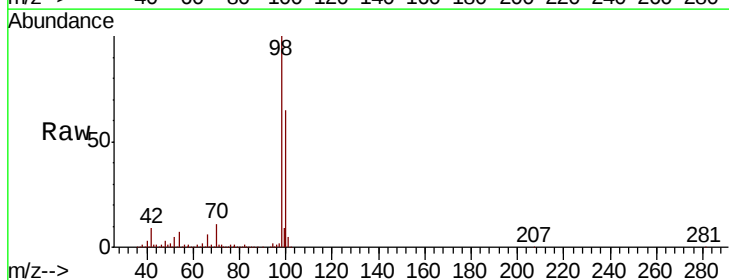
Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

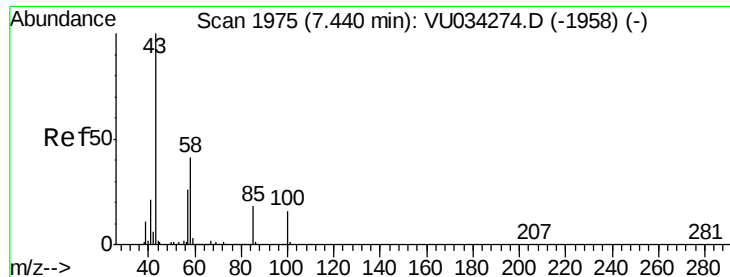
Tgt Ion: 88 Resp: 99719
Ion Ratio Lower Upper
88 100
43 28.6 23.8 35.6
58 71.3 58.4 87.6



#50
Toluene-d8
Concen: 49.643 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion: 98 Resp: 806211
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5

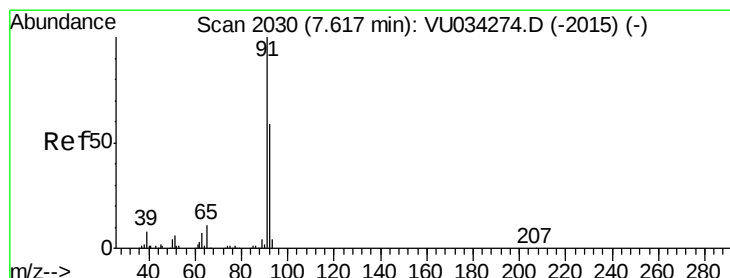
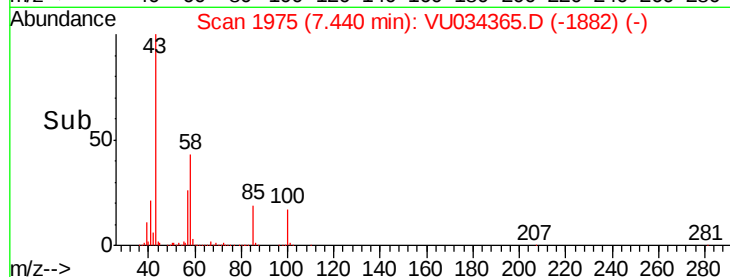
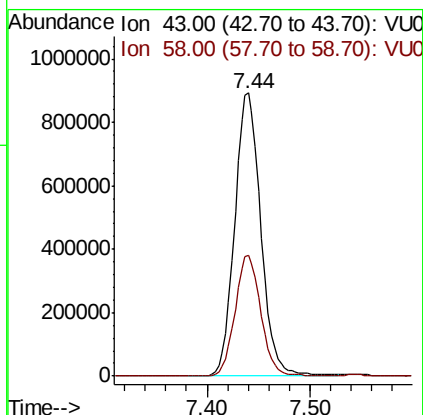
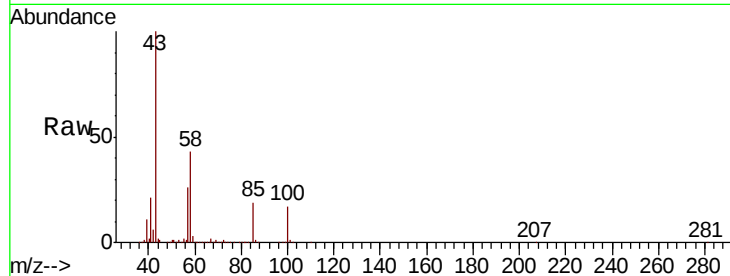




#51
 4-Methyl-2-Pentanone
 Concen: 244.540 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

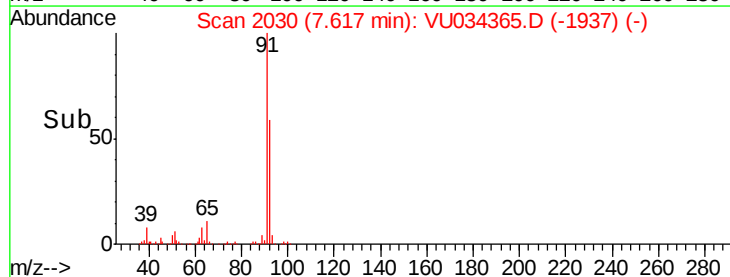
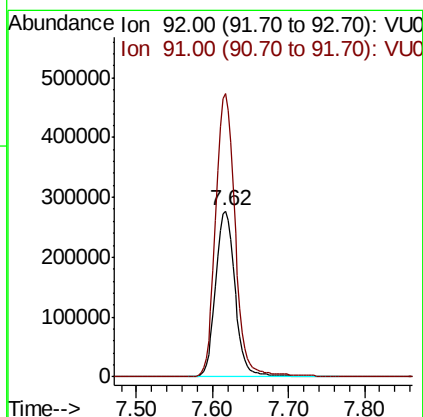
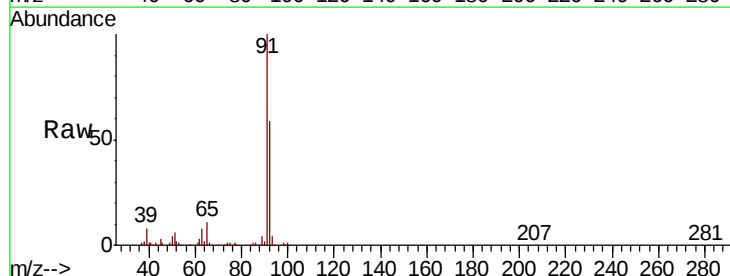
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

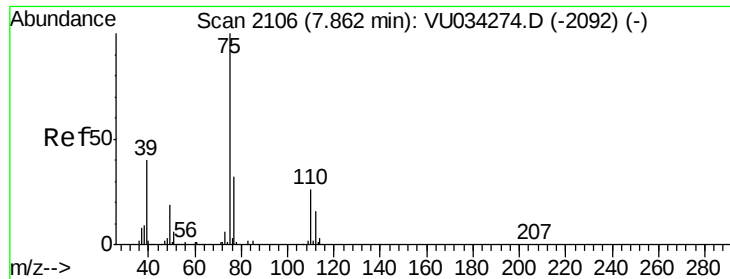
Tgt Ion: 43 Resp: 1572916
 Ion Ratio Lower Upper
 43 100
 58 42.3 33.0 49.4



#52
 Toluene
 Concen: 48.352 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion: 92 Resp: 493089
 Ion Ratio Lower Upper
 92 100
 91 171.3 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 46.635 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

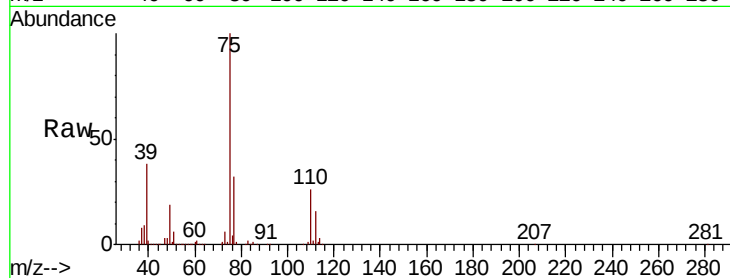
S13-0263MSD

Tgt Ion: 75 Resp: 296855

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VU034365.D (-1823) (-)

Ion 76.90 (76.60 to 77.60): VU034365.D (-1823) (-)

7.86

150000

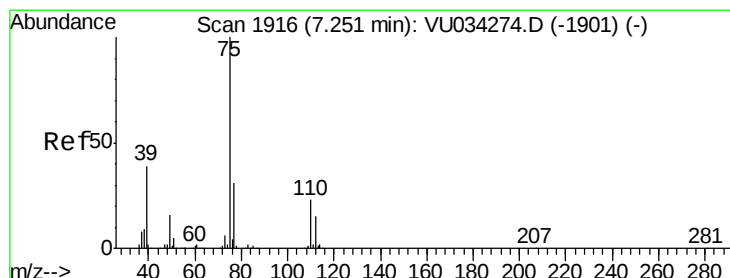
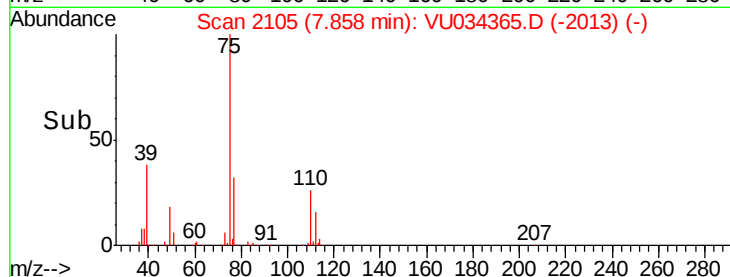
100000

50000

0

7.80 7.90 8.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 46.414 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

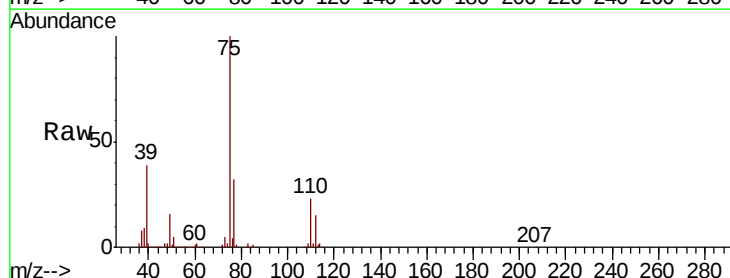
Tgt Ion: 75 Resp: 324265

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

39 39.0 31.2 46.8



Abundance Ion 74.90 (74.60 to 75.60): VU034365.D (-1823) (-)

Ion 76.90 (76.60 to 77.60): VU034365.D (-1823) (-)

Ion 39.00 (38.70 to 39.70): VU034365.D (-1823) (-)

250000

200000

150000

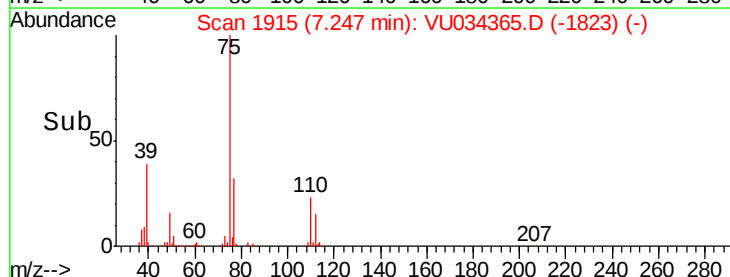
100000

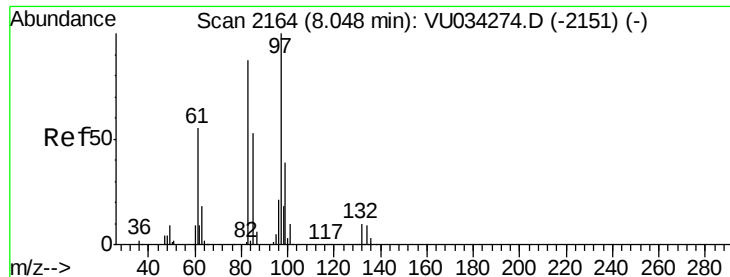
50000

0

7.15 7.20 7.25 7.30 7.35

Time-->

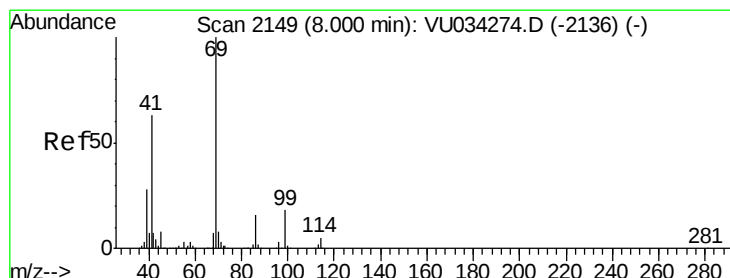
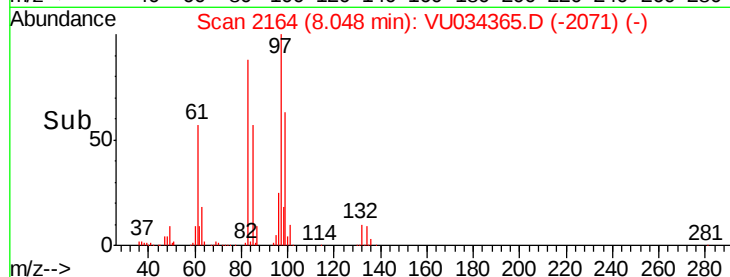
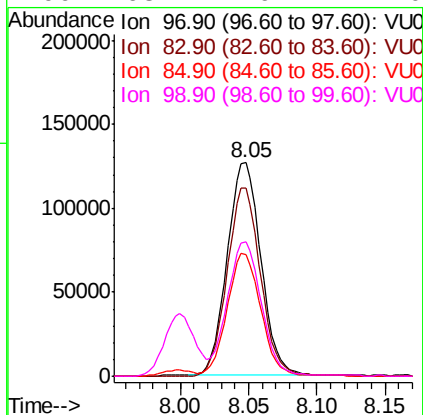
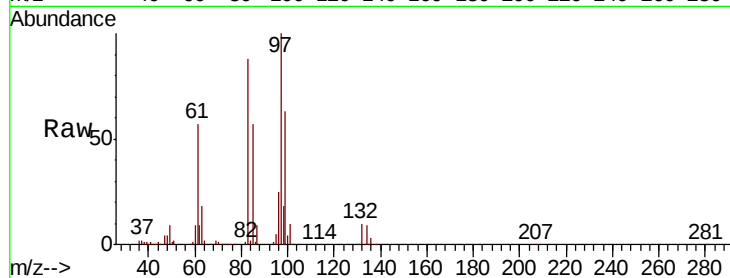




#55
 1,1,2-Trichloroethane
 Concen: 46.893 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

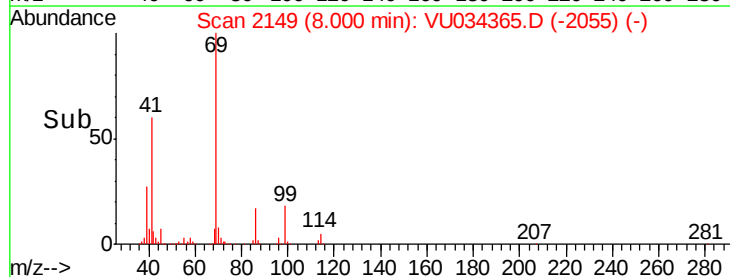
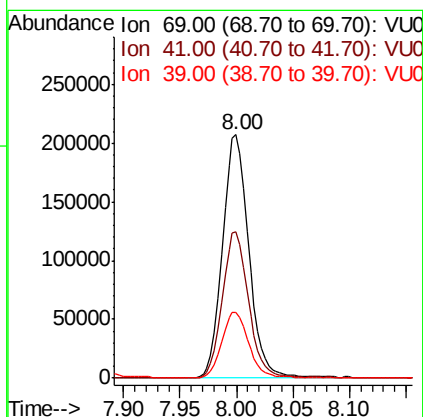
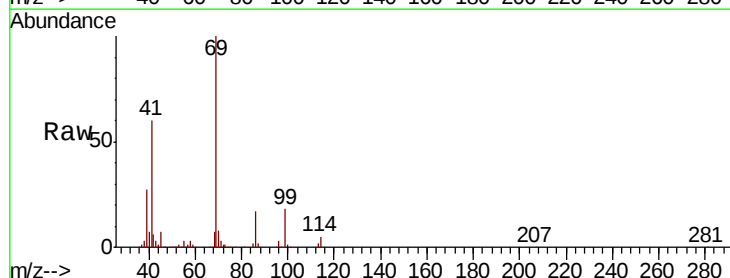
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

Tgt Ion:	97	Resp:	217145
Ion	Ratio	Lower	Upper
97	100		
83	88.4	69.0	103.6
85	56.8	44.2	66.2
99	63.1	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 47.975 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion:	69	Resp:	336582
Ion	Ratio	Lower	Upper
69	100		
41	59.5	49.5	74.3
39	27.2	22.5	33.7





#57

1,3-Dichloropropane

Concen: 47.929 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

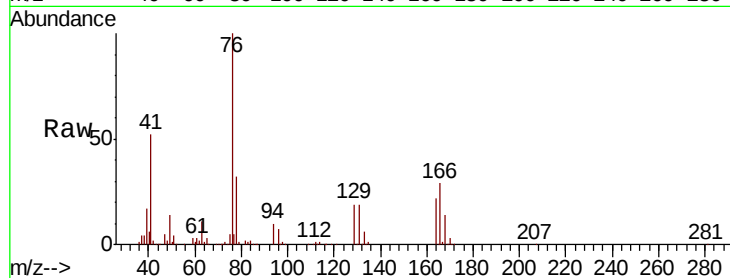
S13-0263MSD

Tgt Ion: 76 Resp: 361397

Ion Ratio Lower Upper

76 100

78 32.0 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VU034274.D (-2204) (-)

Ion 77.90 (77.60 to 78.60): VU034274.D (-2204) (-)

8.22

250000

200000

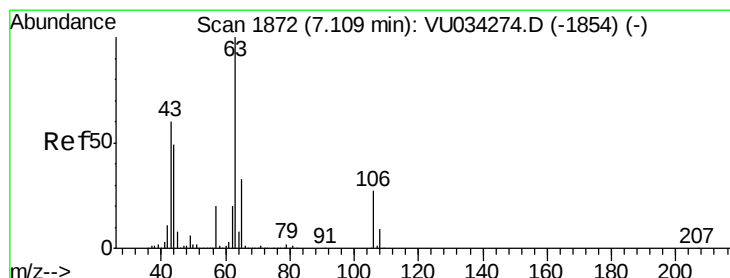
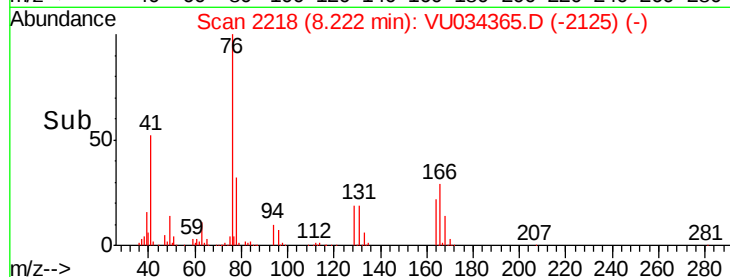
150000

100000

50000

0

Time--> 8.10 8.20 8.30



#58

2-Chloroethyl Vinyl ether

Concen: 17.151 ug/l

RT: 7.09 min Scan# 1866

Delta R.T. -0.02 min

Lab File: VU034365.D

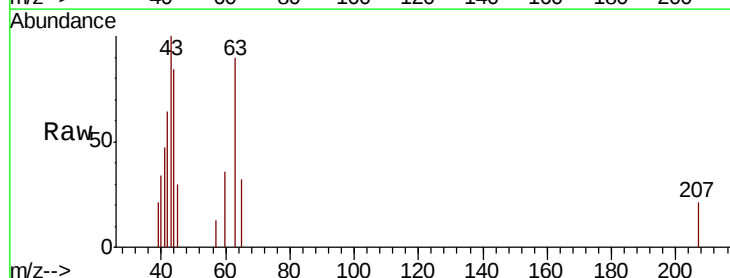
Acq: 07 Sep 2019 05:18

Tgt Ion: 63 Resp: 1366

Ion Ratio Lower Upper

63 100

106 0.0 21.6 32.4#



Abundance Ion 62.90 (62.60 to 63.60): VU034274.D (-1854) (-)

Ion 105.90 (105.60 to 106.60): VU034274.D (-1854) (-)

7.09

800

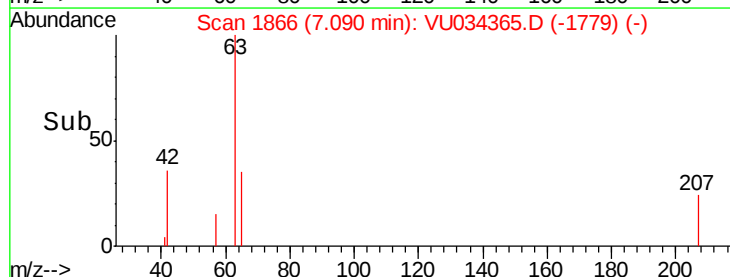
600

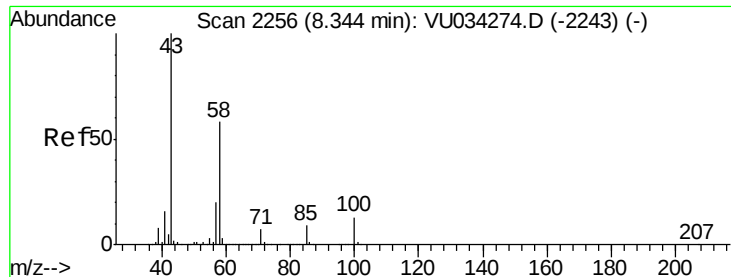
400

200

0

Time--> 7.04 7.06 7.08 7.10 7.12

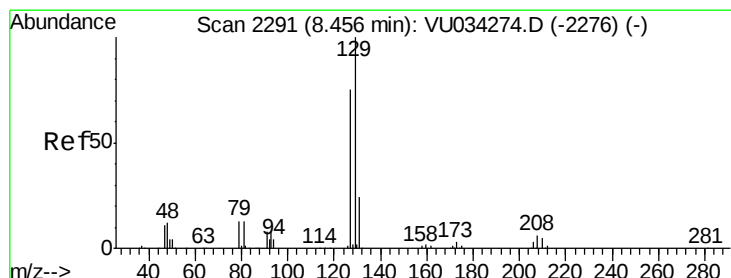
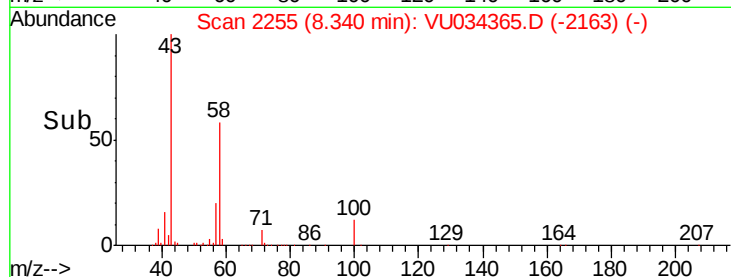
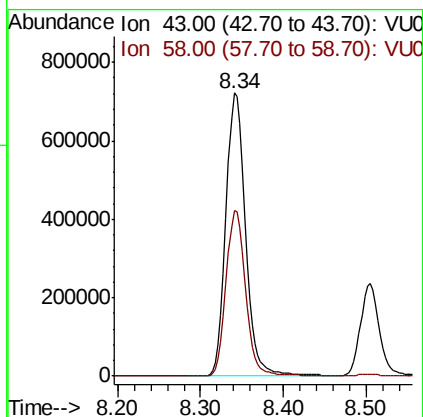
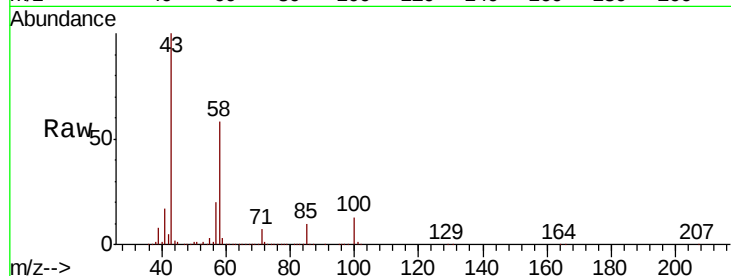




#59
2-Hexanone
Concen: 247.090 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

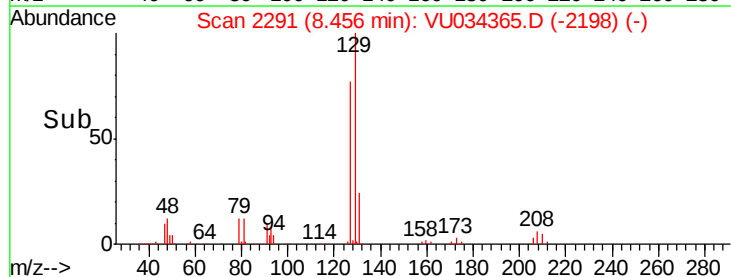
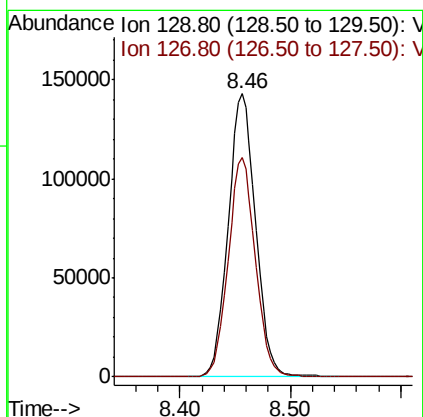
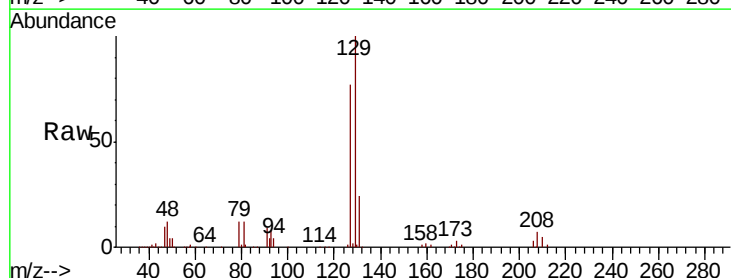
Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

Tgt Ion: 43 Resp: 1187302
Ion Ratio Lower Upper
43 100
58 58.6 28.8 86.5



#60
Dibromochloromethane
Concen: 49.520 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion: 129 Resp: 245956
Ion Ratio Lower Upper
129 100
127 76.5 37.9 113.7





#61

1,2-Dibromoethane

Concen: 48.194 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

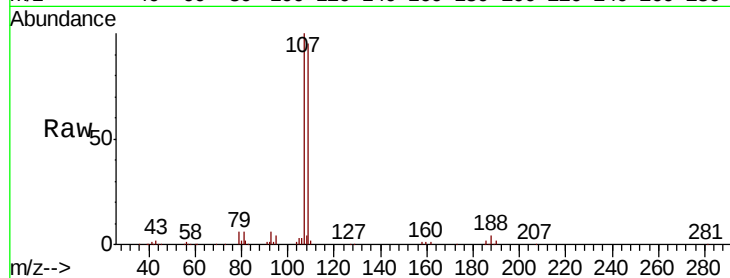
S13-0263MSD

Tgt Ion: 107 Resp: 218429

Ion Ratio Lower Upper

107 100

109 95.1 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

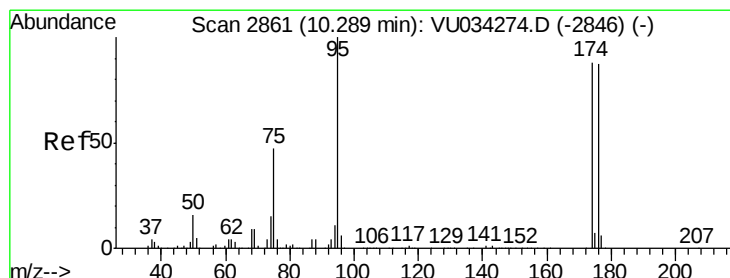
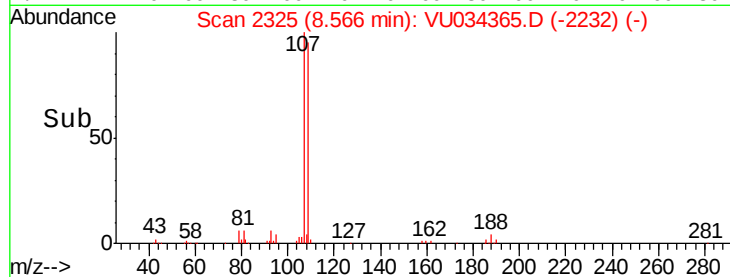
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.191 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

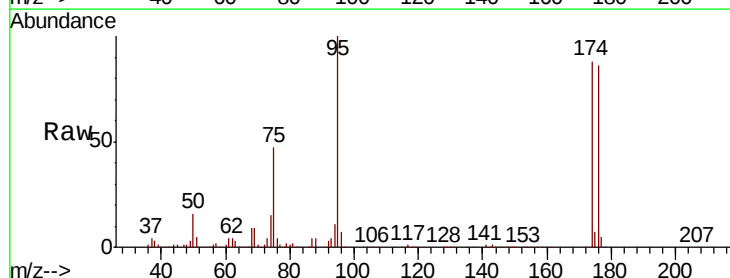
Tgt Ion: 95 Resp: 302173

Ion Ratio Lower Upper

95 100

174 88.3 0.0 175.2

176 85.5 0.0 168.0



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

250000

200000

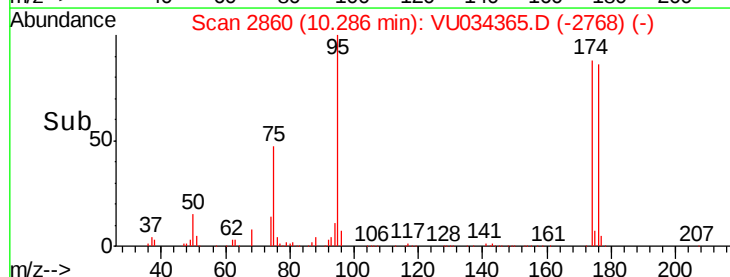
150000

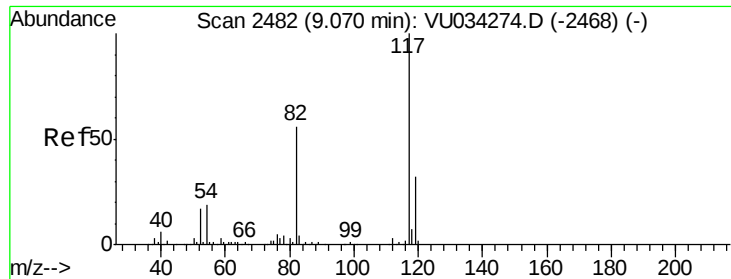
100000

50000

0

Time-->

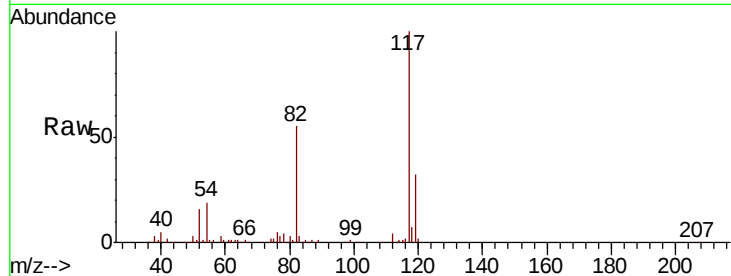




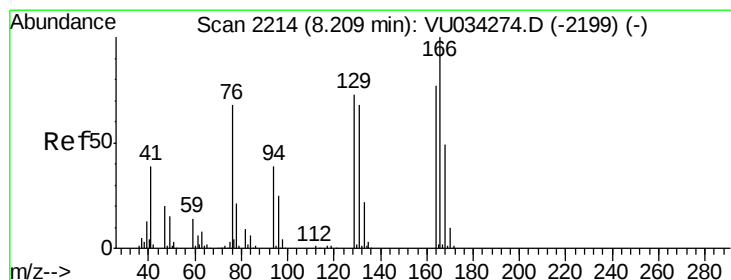
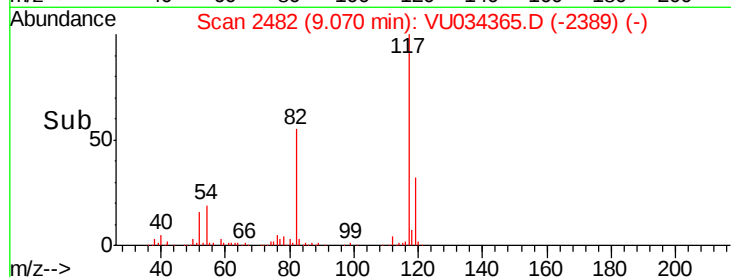
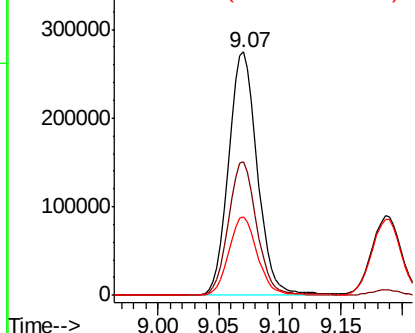
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

Tgt Ion:117 Resp: 454110
Ion Ratio Lower Upper
117 100
82 54.9 44.6 67.0
119 32.2 25.9 38.9

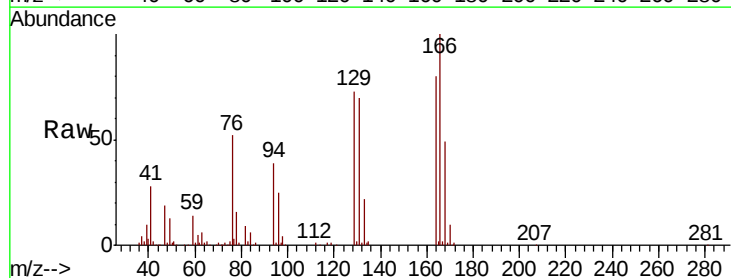


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

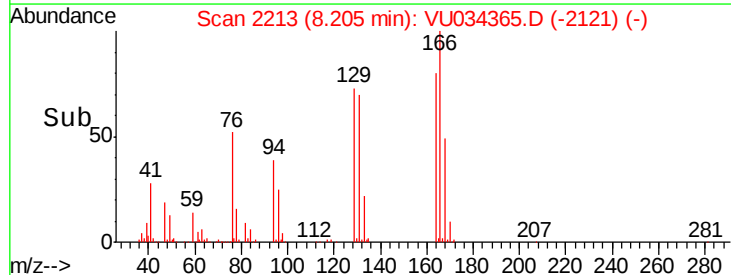
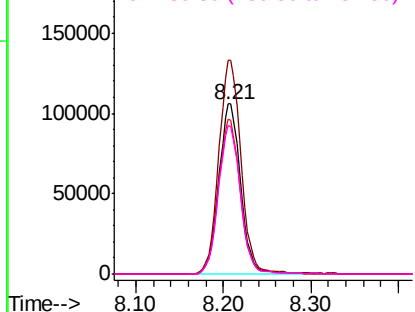


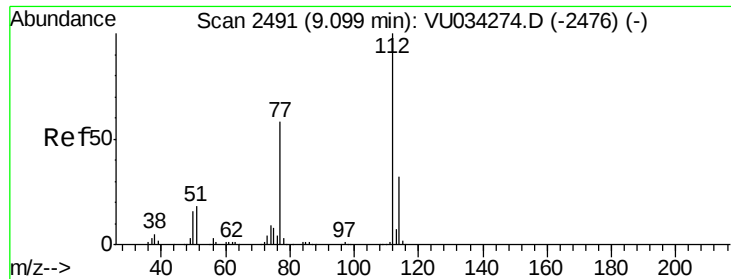
#64
Tetrachloroethene
Concen: 46.755 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion:164 Resp: 184200
Ion Ratio Lower Upper
164 100
166 125.4 103.7 155.5
129 91.1 75.8 113.8
131 87.2 70.7 106.1



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

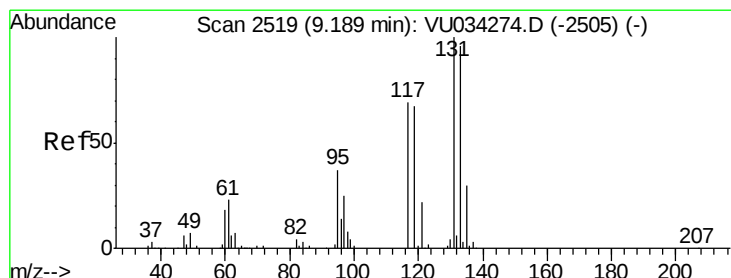
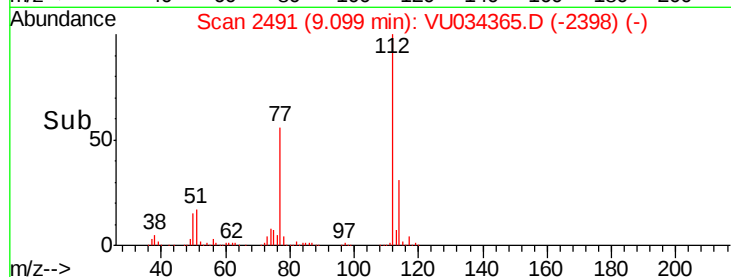
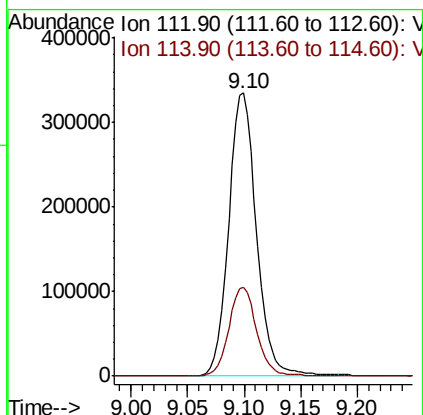
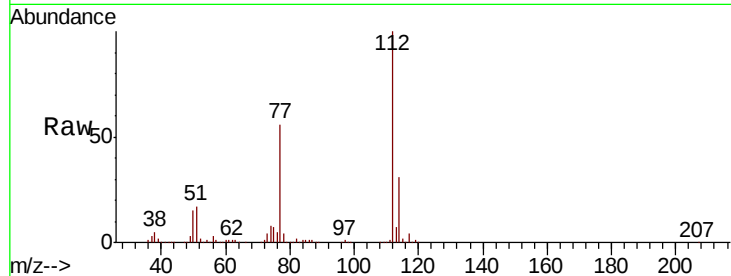




#65
Chlorobenzene
Concen: 49.794 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

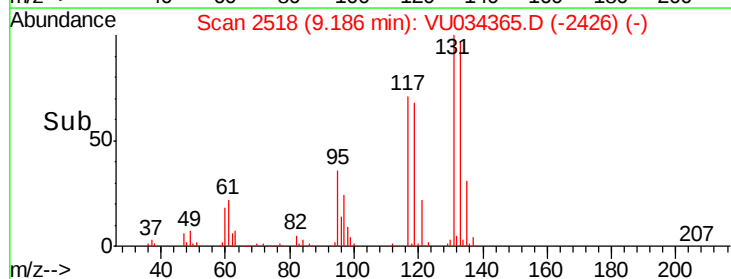
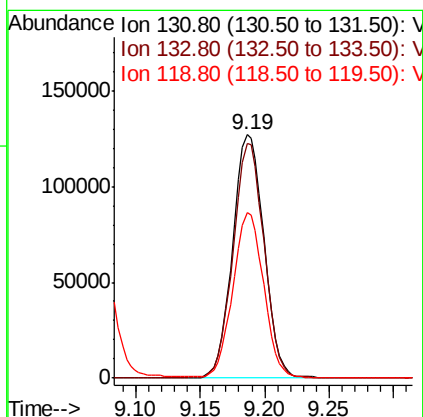
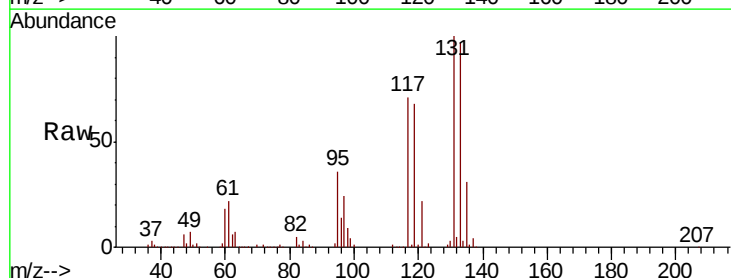
Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

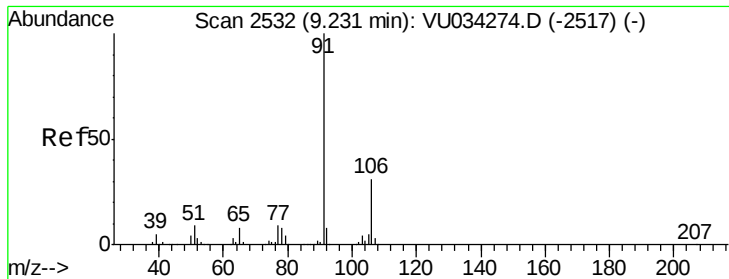
Tgt Ion:112 Resp: 573677
Ion Ratio Lower Upper
112 100
114 31.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.876 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion:131 Resp: 214896
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.7
119 67.3 33.1 99.5

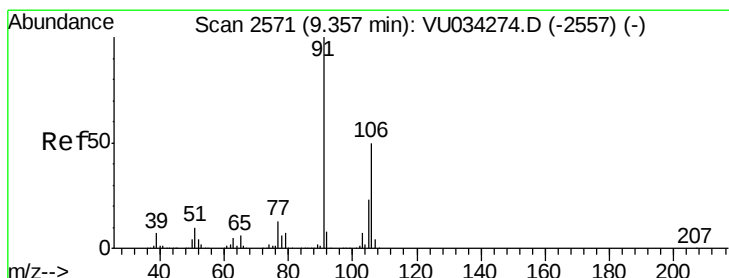
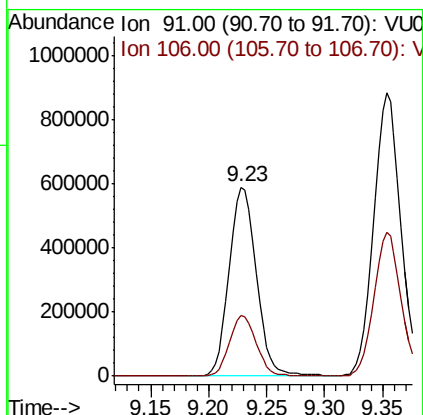
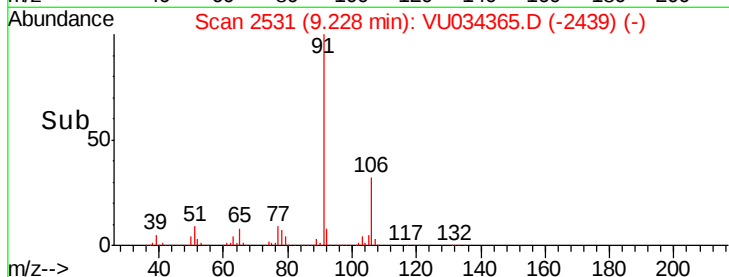
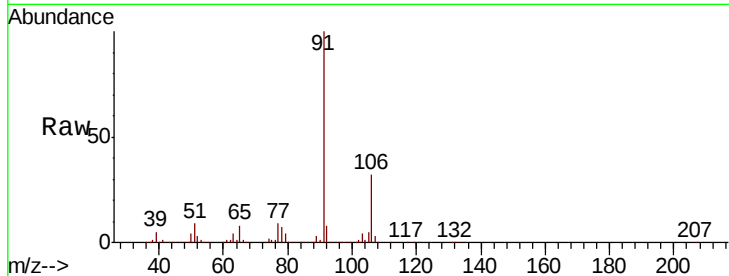




#67
Ethyl Benzene
Concen: 50.867 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

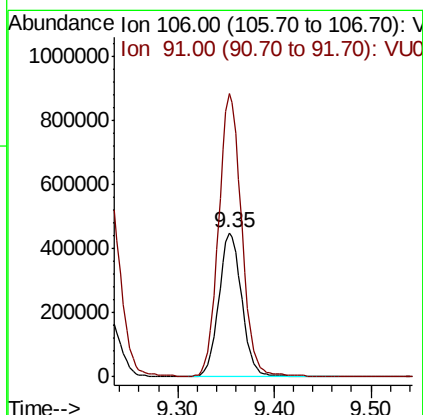
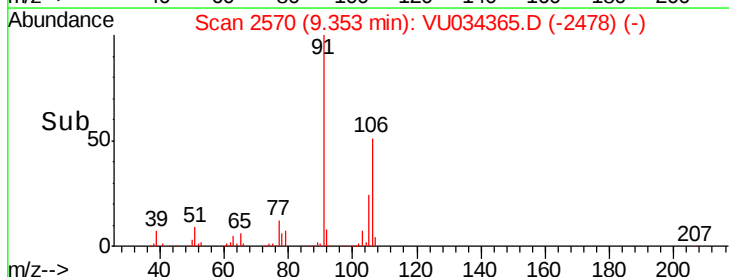
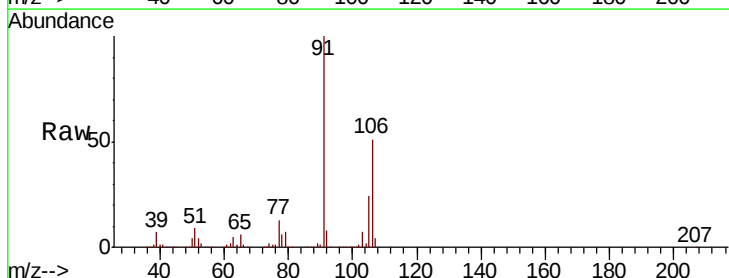
Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

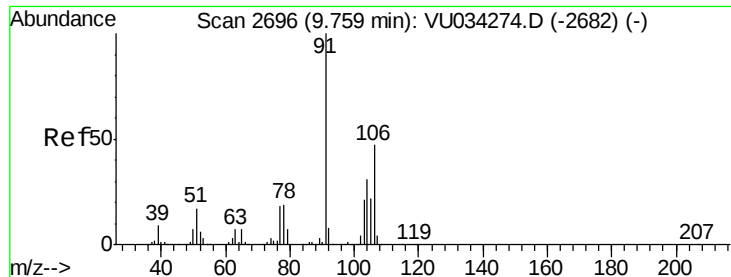
Tgt Ion: 91 Resp: 958209
Ion Ratio Lower Upper
91 100
106 32.2 24.8 37.2



#68
m/p-Xylenes
Concen: 104.213 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion: 106 Resp: 739231
Ion Ratio Lower Upper
106 100
91 197.4 160.1 240.1

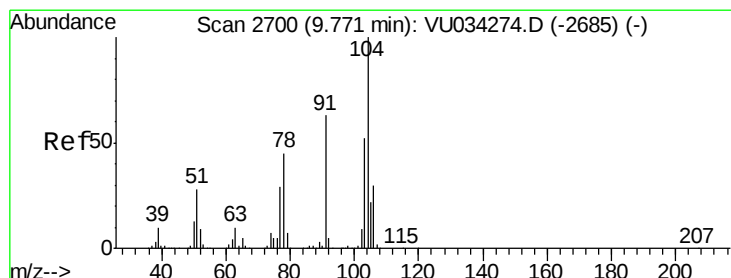
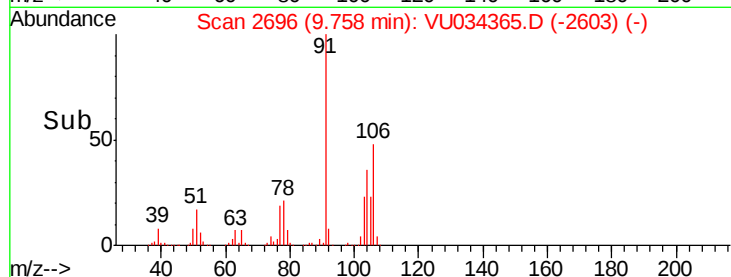
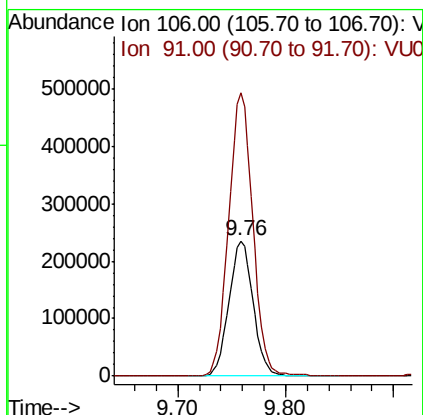
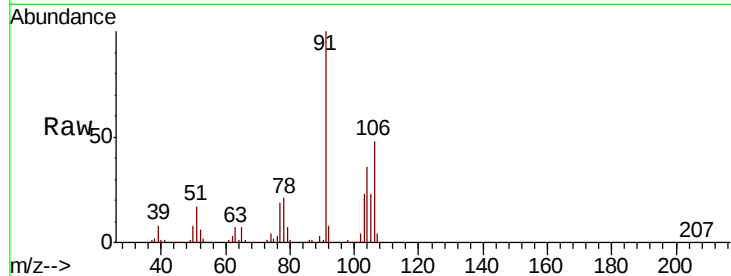




#69
o-Xylene
Concen: 53.063 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

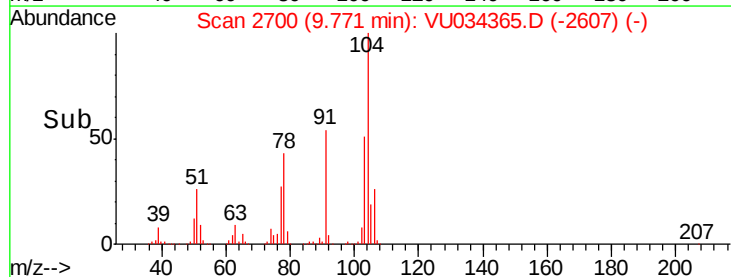
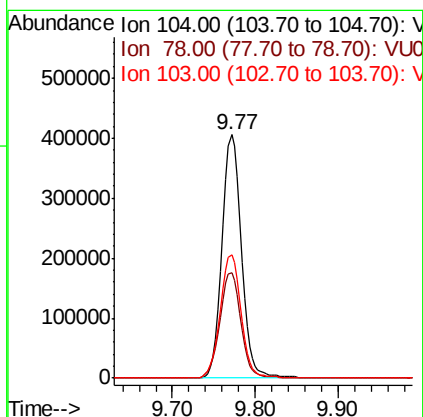
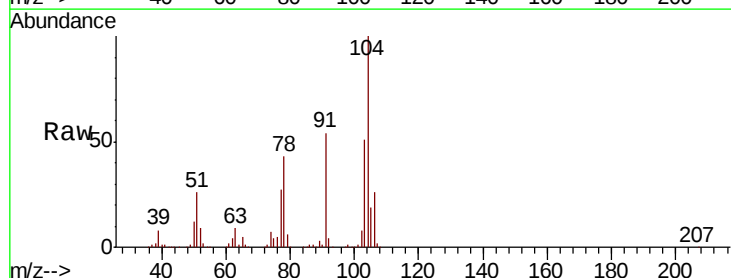
Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

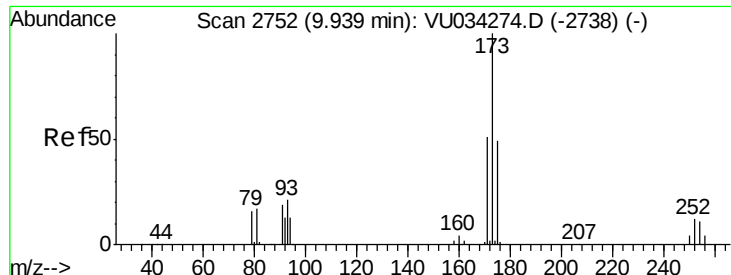
Tgt Ion:106 Resp: 368106
Ion Ratio Lower Upper
106 100
91 209.8 105.1 315.3



#70
Styrene
Concen: 53.978 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion:104 Resp: 656517
Ion Ratio Lower Upper
104 100
78 46.9 38.6 57.8
103 54.4 44.2 66.4





#71

Bromoform

Concen: 50.026 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

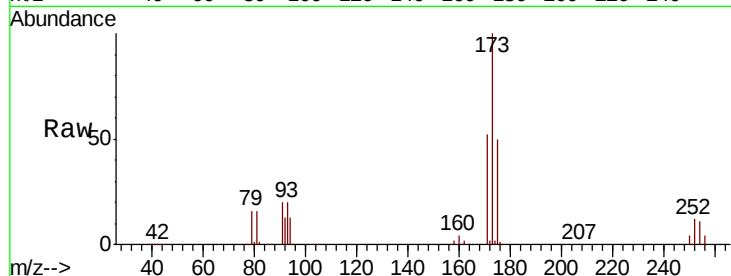
Tgt Ion:173 Resp: 190625

Ion Ratio Lower Upper

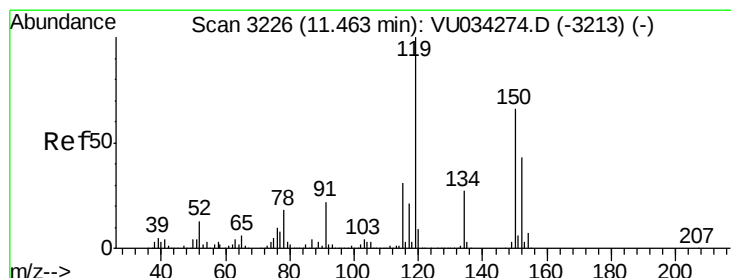
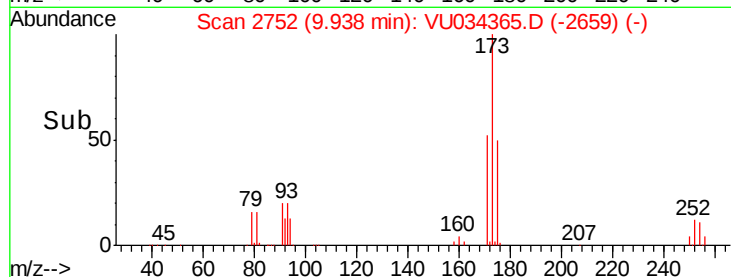
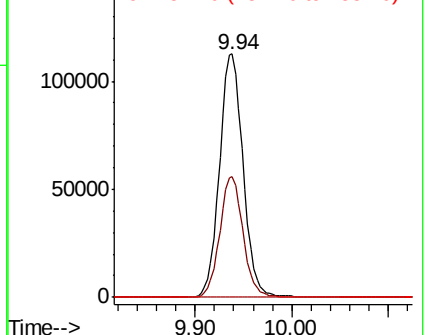
173 100

175 49.1 24.4 73.2

254 0.1 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

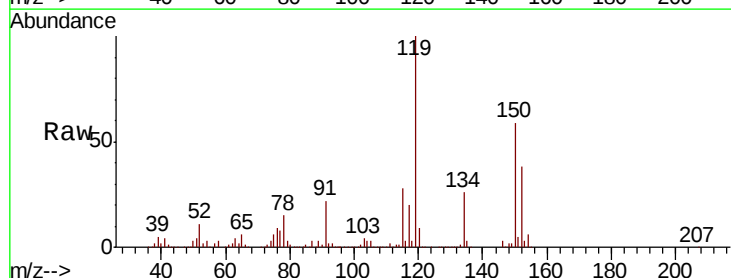
Tgt Ion:152 Resp: 290414

Ion Ratio Lower Upper

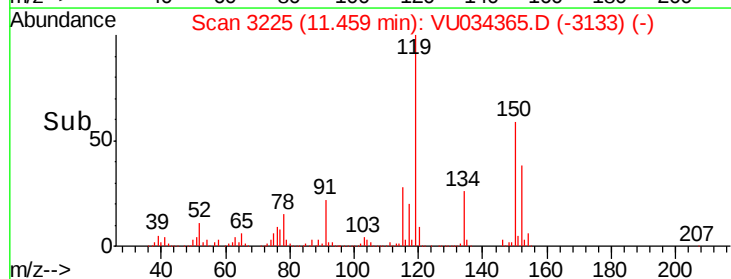
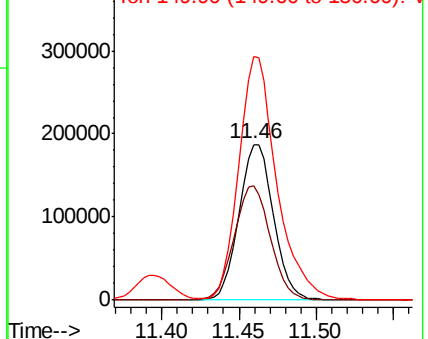
152 100

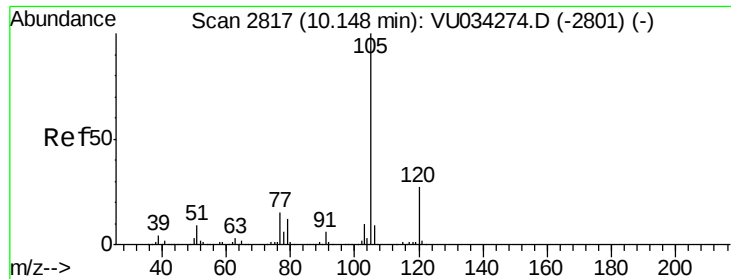
115 77.3 39.1 117.3

150 171.4 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.712 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

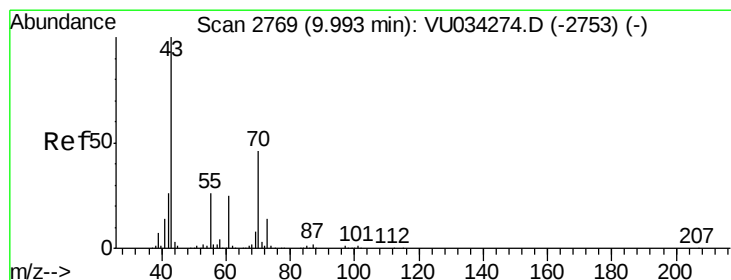
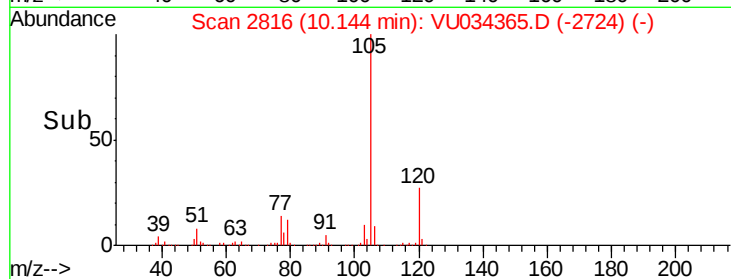
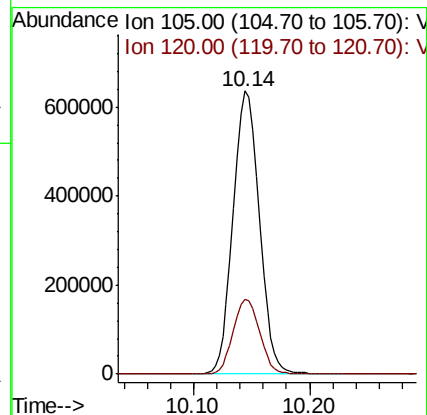
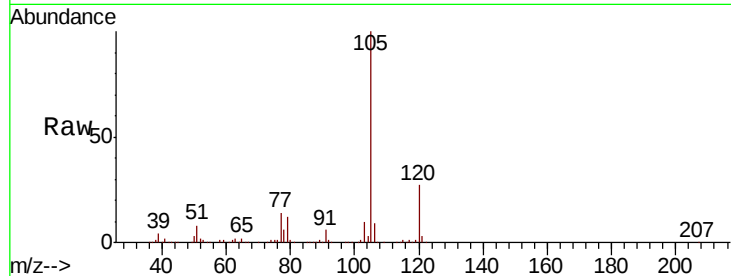
S13-0263MSD

Tgt Ion: 105 Resp: 996232

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 49.018 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Tgt Ion: 43 Resp: 372908

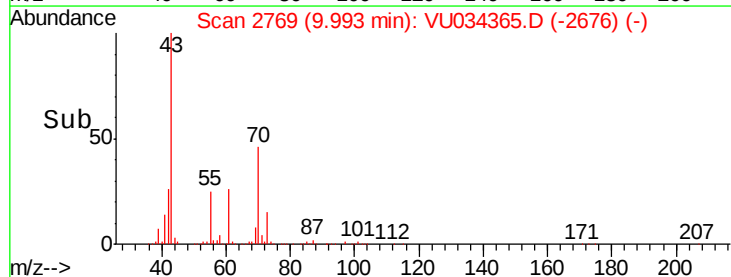
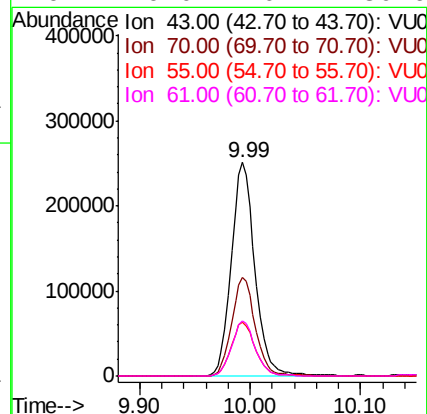
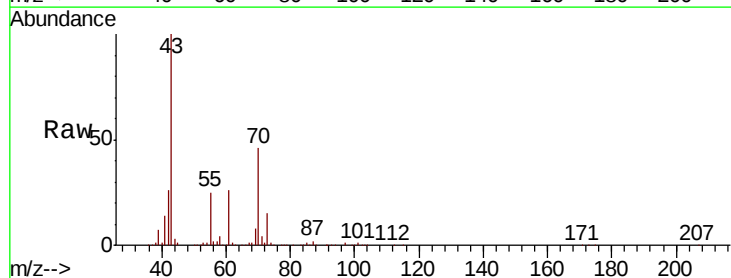
Ion Ratio Lower Upper

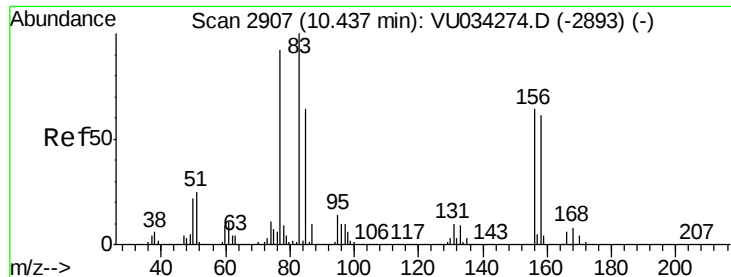
43 100

70 46.3 36.4 54.6

55 26.0 21.2 31.8

61 26.0 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.014 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

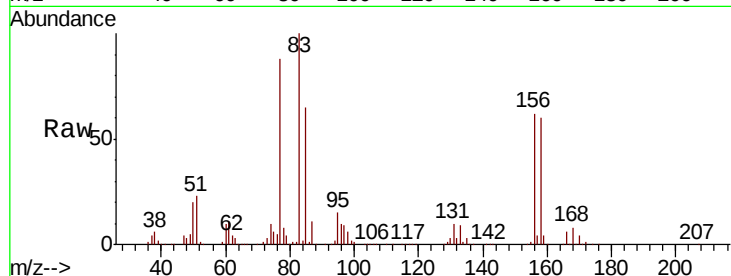
Tgt Ion: 83 Resp: 374961

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

85 64.9 32.0 96.2

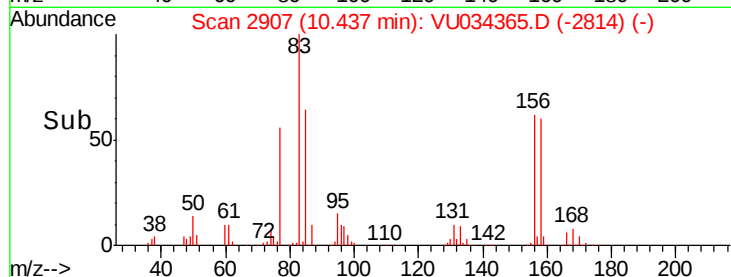


Abundance Ion 82.90 (82.60 to 83.60): VU034365.D (-2814) (-)

Ion 130.80 (130.50 to 131.50): VU034365.D (-2814) (-)

Ion 84.90 (84.60 to 85.60): VU034365.D (-2814) (-)

Time-->

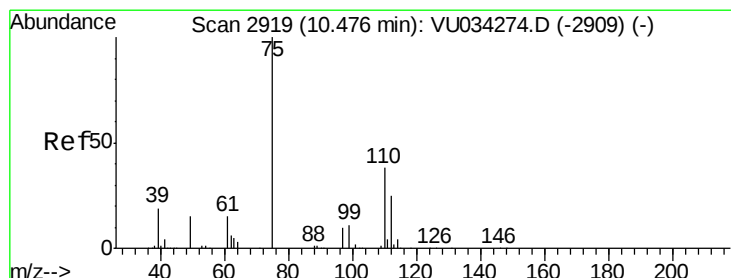


Abundance Ion 82.90 (82.60 to 83.60): VU034365.D (-2814) (-)

Ion 130.80 (130.50 to 131.50): VU034365.D (-2814) (-)

Ion 84.90 (84.60 to 85.60): VU034365.D (-2814) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 62.970 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034365.D

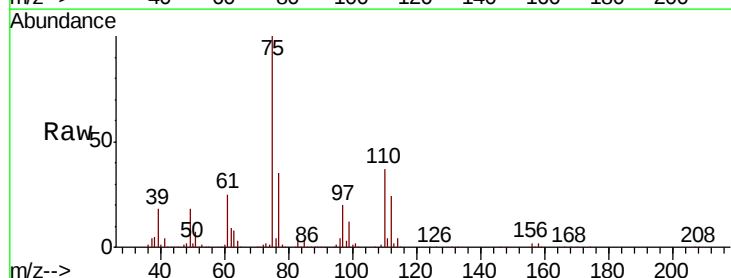
Acq: 07 Sep 2019 05:18

Tgt Ion: 75 Resp: 399183

Ion Ratio Lower Upper

75 100

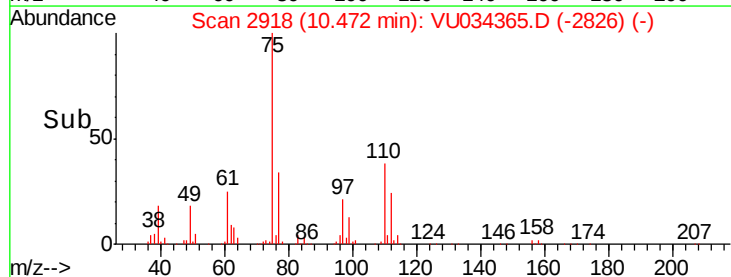
77 31.0 20.8 62.2



Abundance Ion 74.90 (74.60 to 75.60): VU034365.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034365.D (-2826) (-)

Time-->



Abundance Ion 74.90 (74.60 to 75.60): VU034365.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034365.D (-2826) (-)

Time-->



#77

Bromobenzene

Concen: 52.114 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

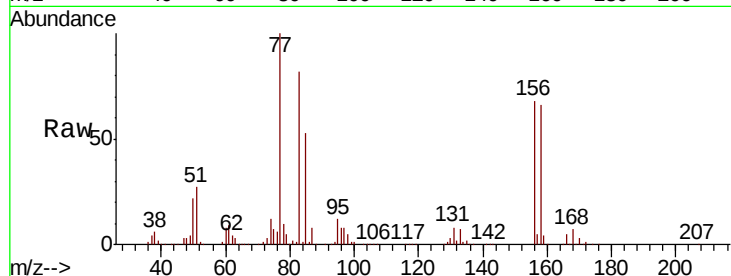
Tgt Ion:156 Resp: 275395

Ion Ratio Lower Upper

156 100

77 145.3 75.6 226.9

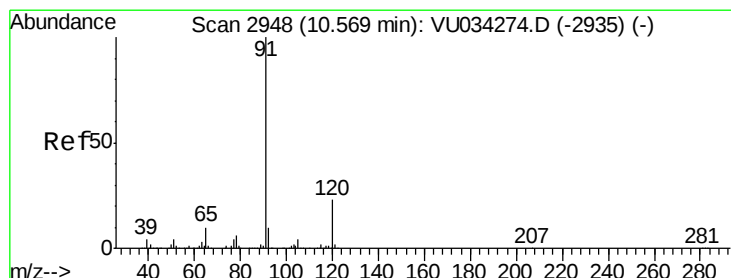
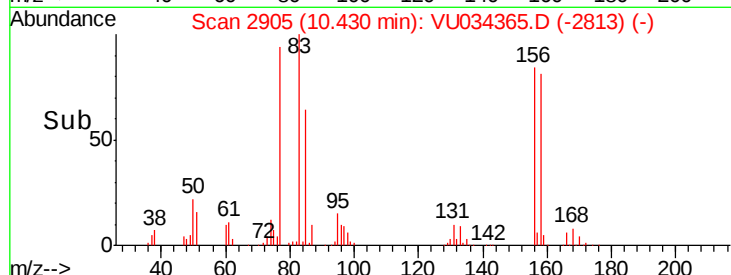
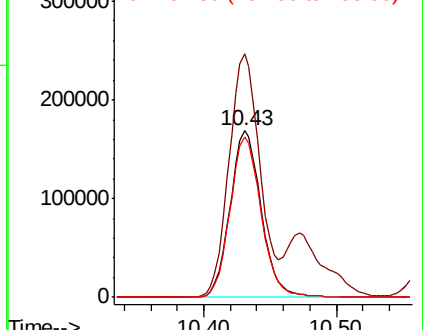
158 96.4 48.2 144.6



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: 51.313 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034365.D

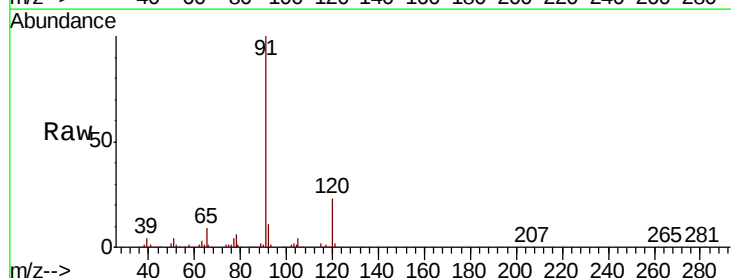
Acq: 07 Sep 2019 05:18

Tgt Ion: 91 Resp: 1120014

Ion Ratio Lower Upper

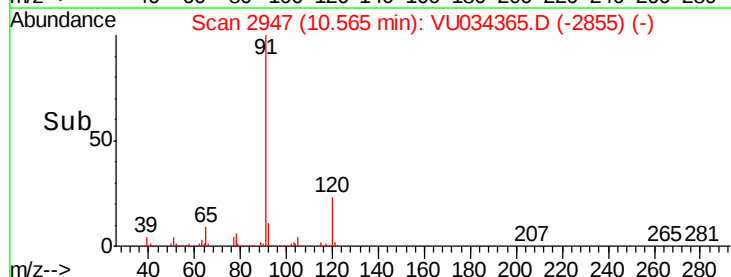
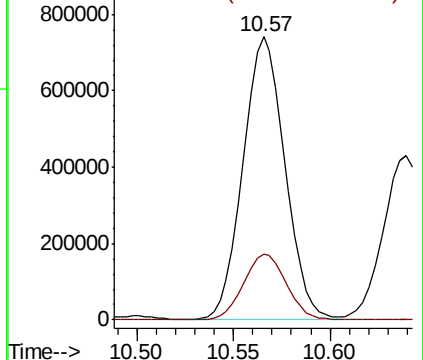
91 100

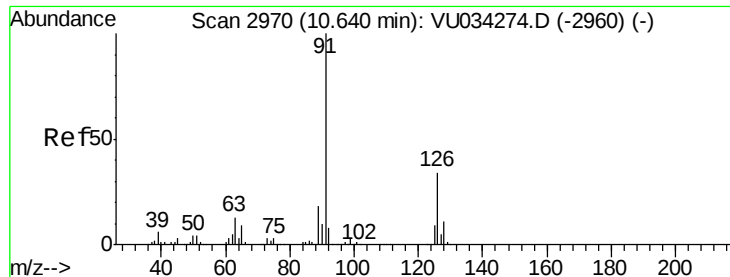
120 23.7 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.866 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

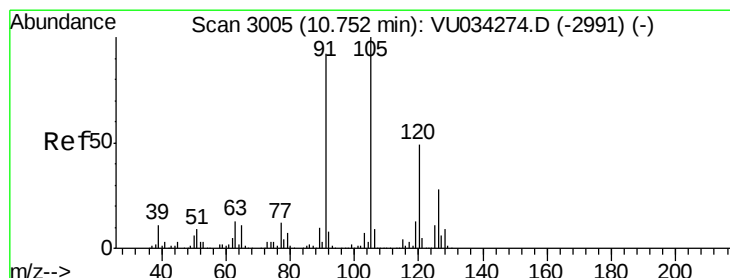
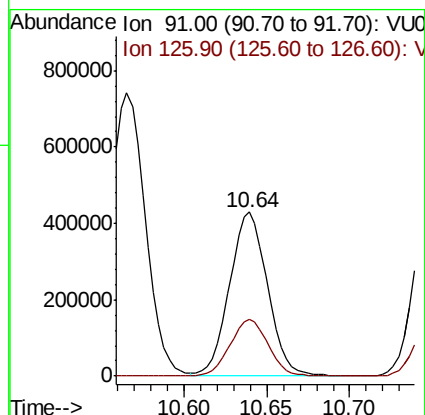
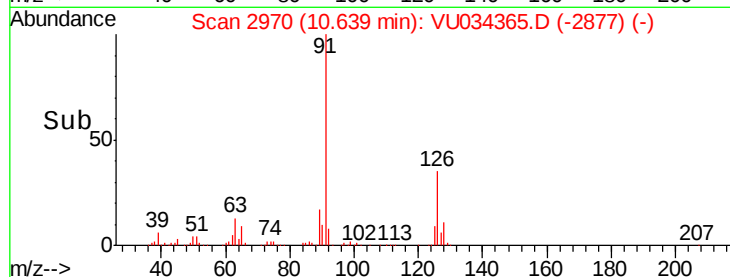
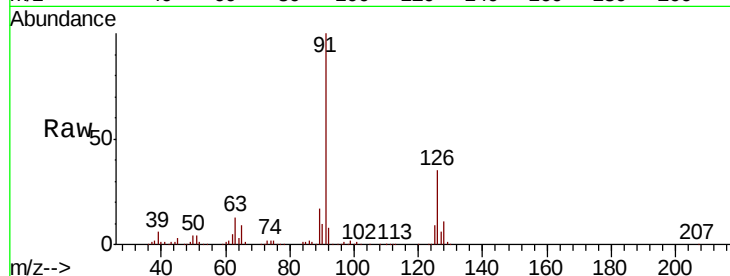
S13-0263MSD

Tgt Ion: 91 Resp: 677426

Ion Ratio Lower Upper

91 100

126 35.2 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 53.330 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034365.D

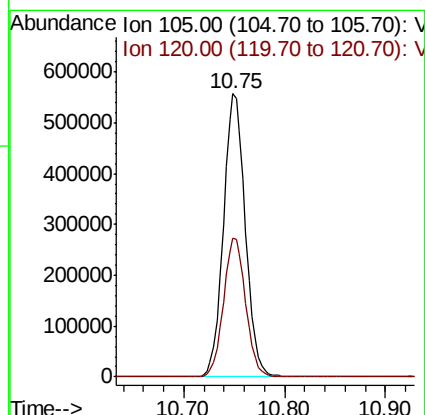
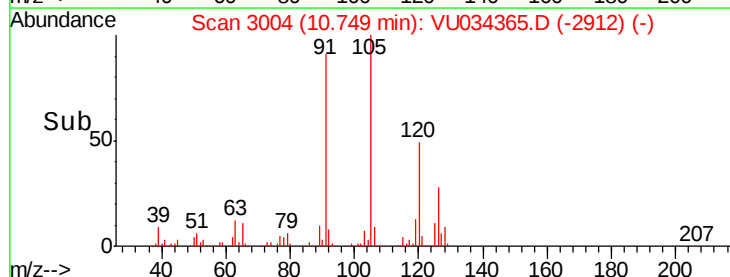
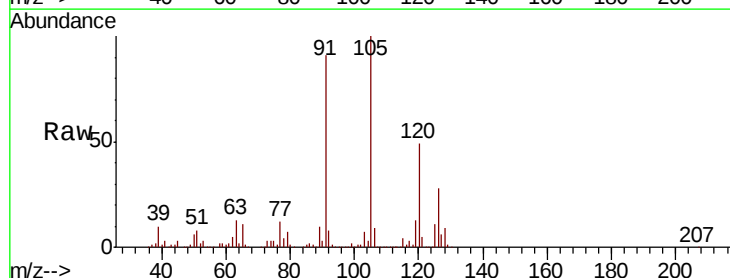
Acq: 07 Sep 2019 05:18

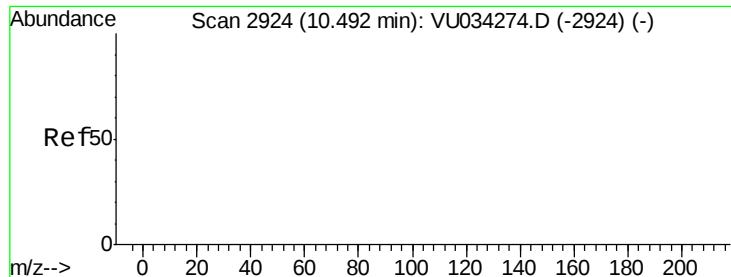
Tgt Ion: 105 Resp: 842951

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 211.765 ug/l

RT: 10.47 min Scan# 2918

Delta R.T. -0.02 min

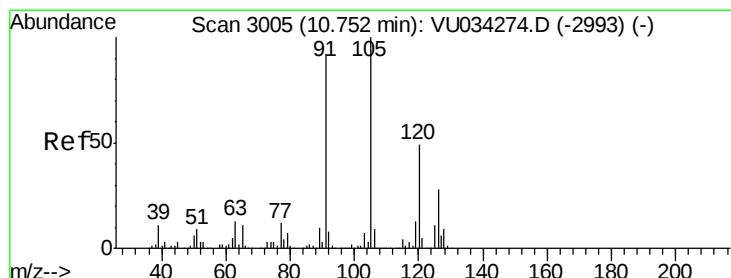
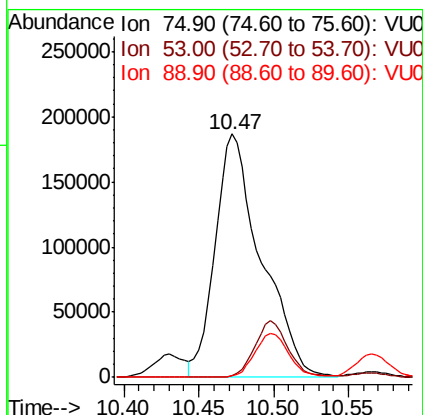
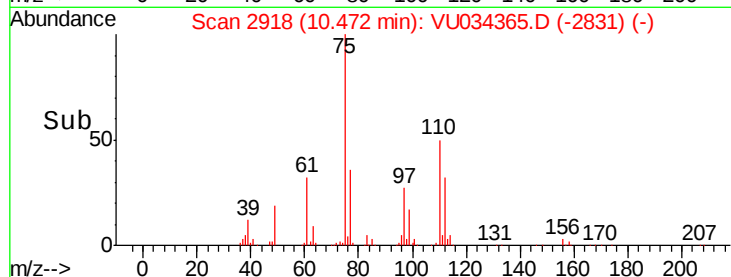
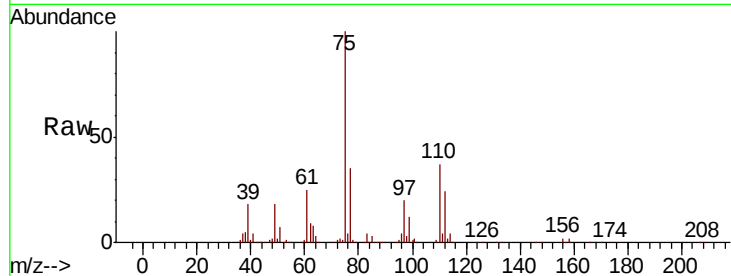
Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

Tgt Ion: 75 Resp: 399183

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



#82

4-Chlorotoluene

Concen: 51.515 ug/l

RT: 10.75 min Scan# 3004

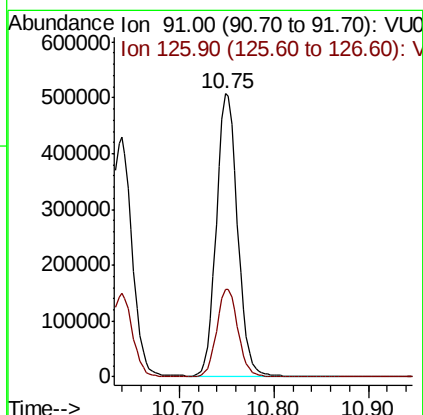
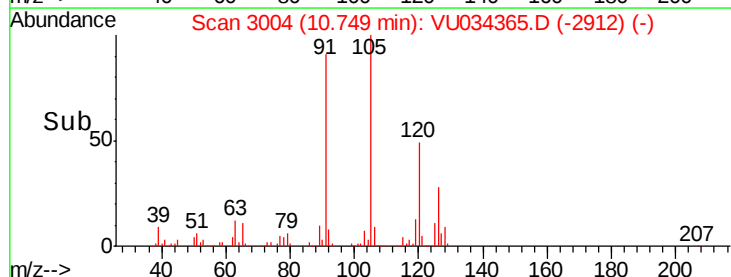
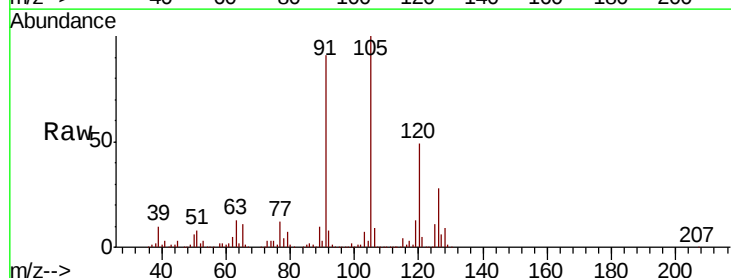
Delta R.T. -0.00 min

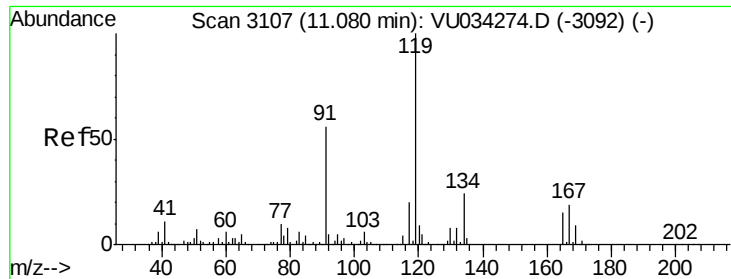
Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Tgt Ion: 91 Resp: 789533

Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.8

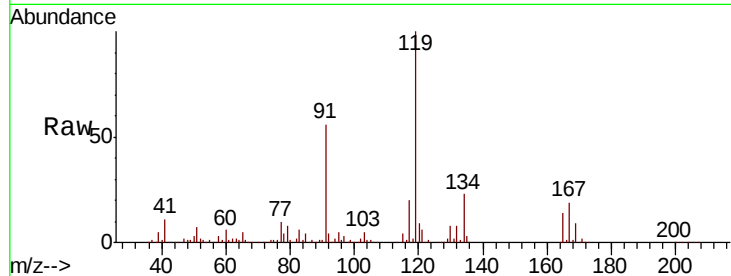




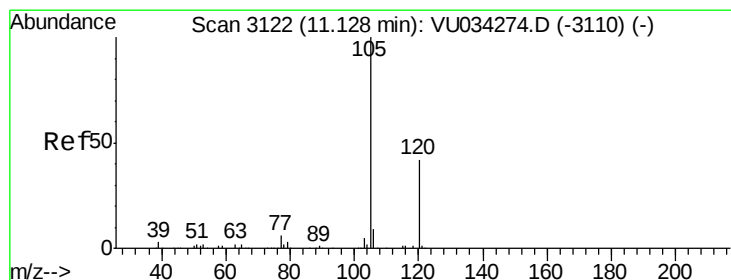
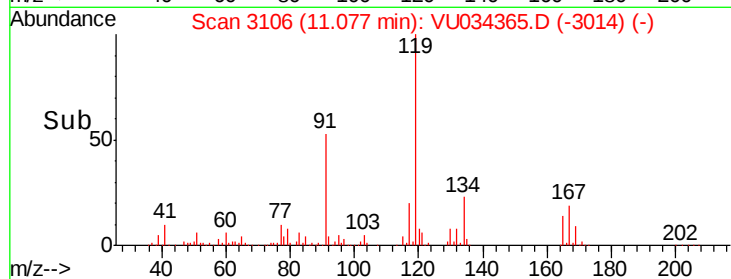
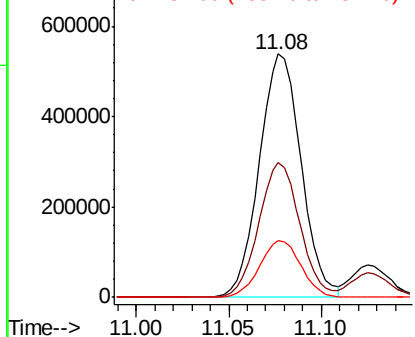
#83
 tert-Butylbenzene
 Concen: 53.587 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

Tgt Ion:119 Resp: 847338
 Ion Ratio Lower Upper
 119 100
 91 54.0 27.8 83.4
 134 23.1 11.7 35.0

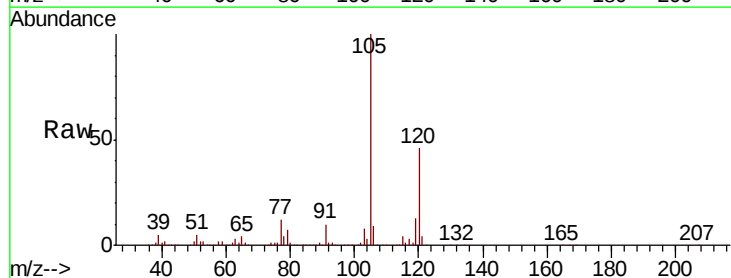


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VU0
 Ion 134.00 (133.70 to 134.70): V

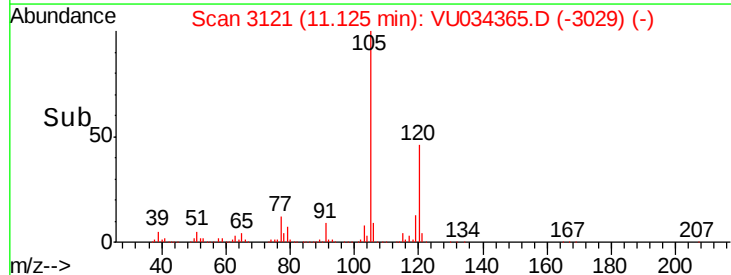
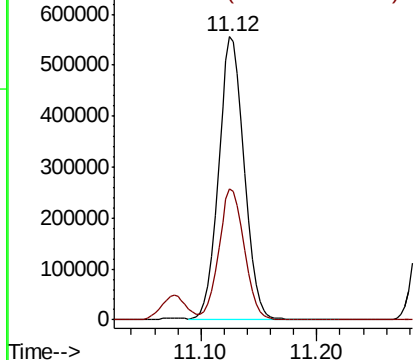


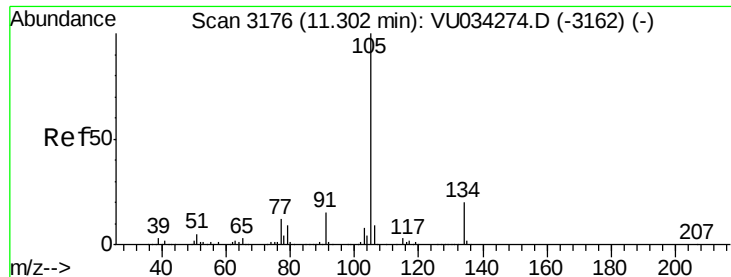
#84
 1,2,4-Trimethylbenzene
 Concen: 53.453 ug/l
 RT: 11.12 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion:105 Resp: 850482
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

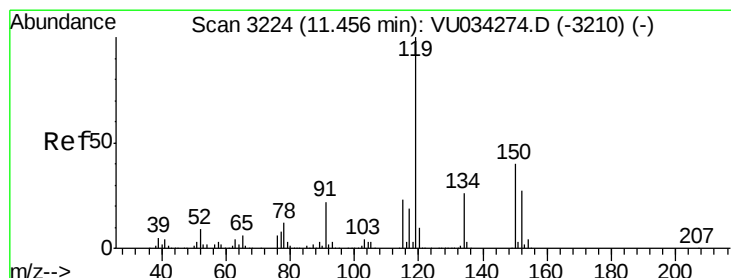
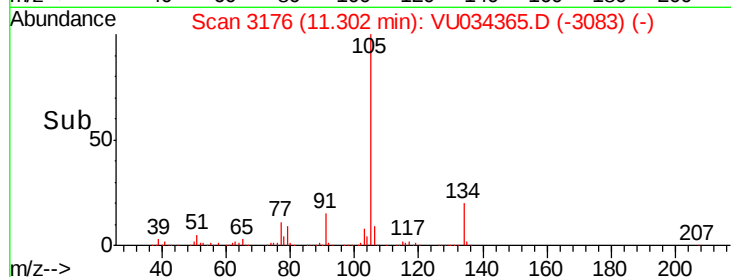
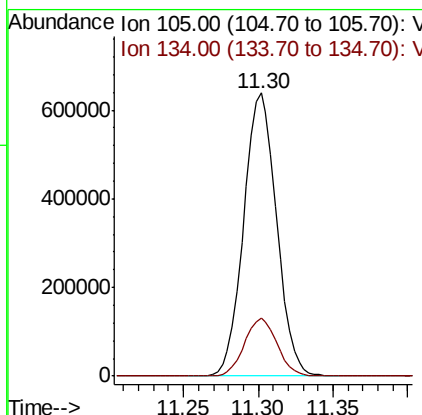
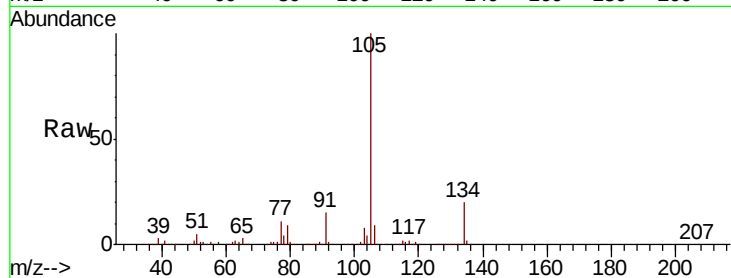




#85
 sec-Butylbenzene
 Concen: 52.364 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

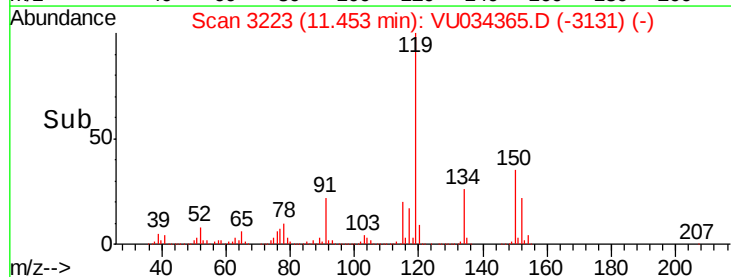
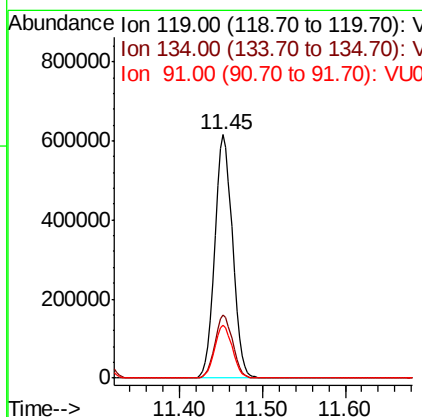
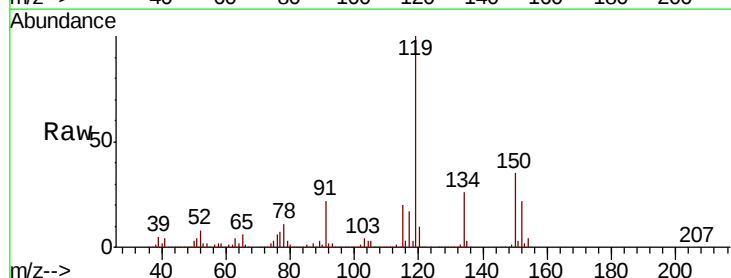
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

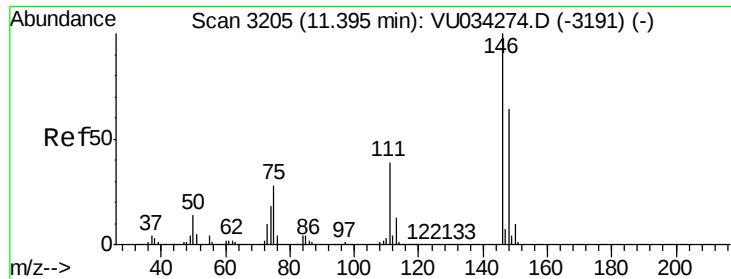
Tgt Ion:105 Resp: 977506
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 52.741 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion:119 Resp: 908721
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.3 39.8
 91 21.7 11.2 33.6

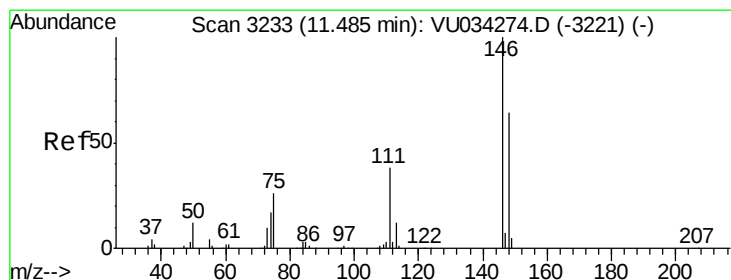
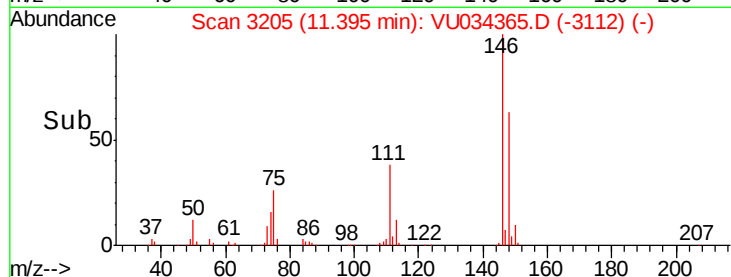
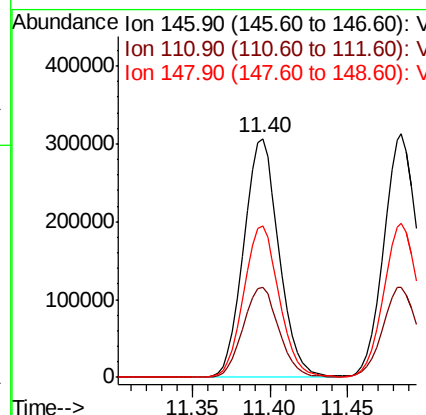
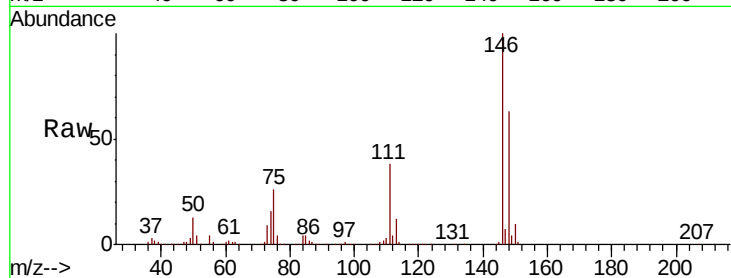




#87
 1,3-Dichlorobenzene
 Concen: 50.382 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

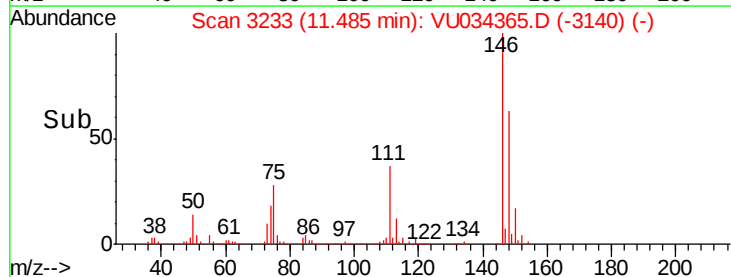
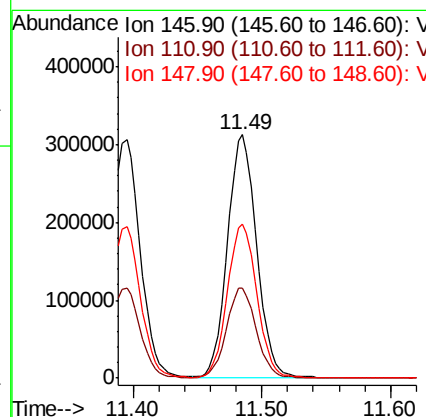
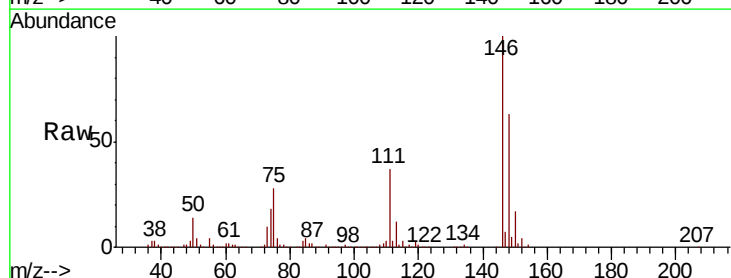
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

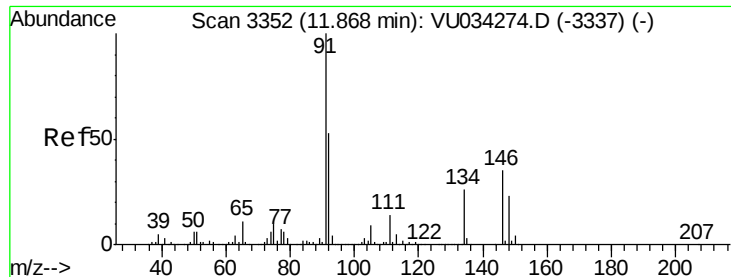
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.5	58.5
148	63.7	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 48.609 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.3
148	64.3	32.0	96.0





#89

n-Butylbenzene

Concen: 50.872 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

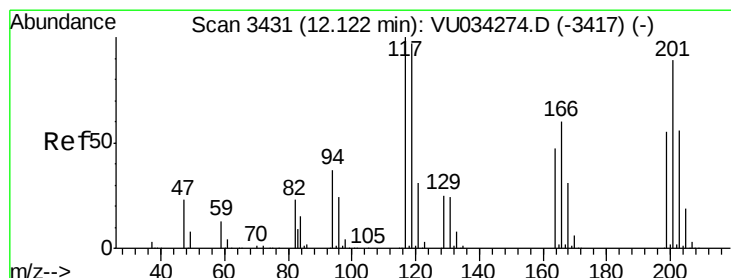
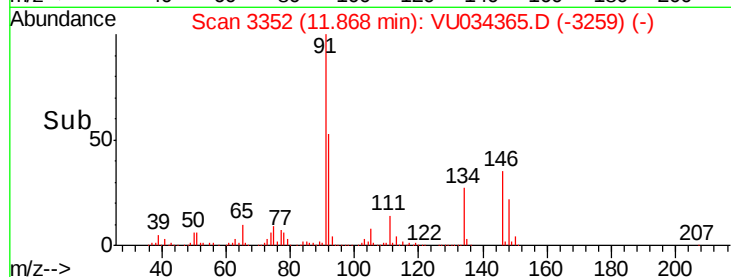
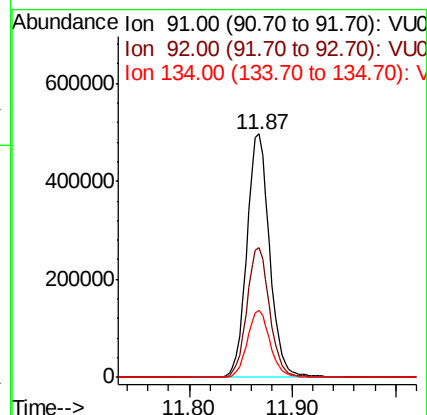
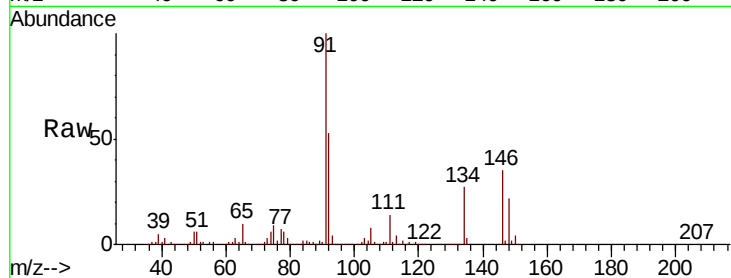
Tgt Ion: 91 Resp: 761718

Ion Ratio Lower Upper

91 100

92 53.4 26.5 79.4

134 27.4 13.2 39.6



#90

Hexachloroethane

Concen: 48.165 ug/l

RT: 12.12 min Scan# 3431

Delta R.T. -0.00 min

Lab File: VU034365.D

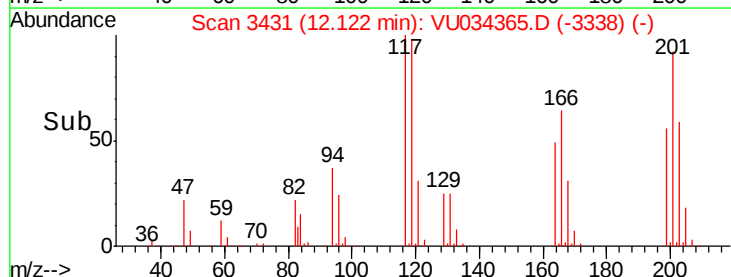
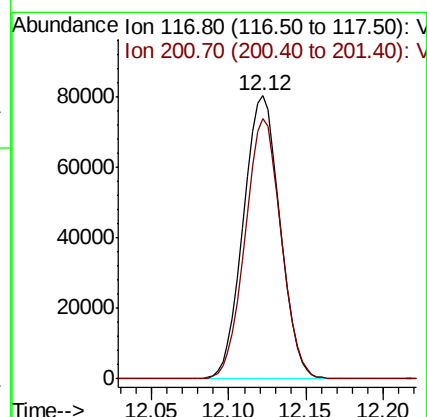
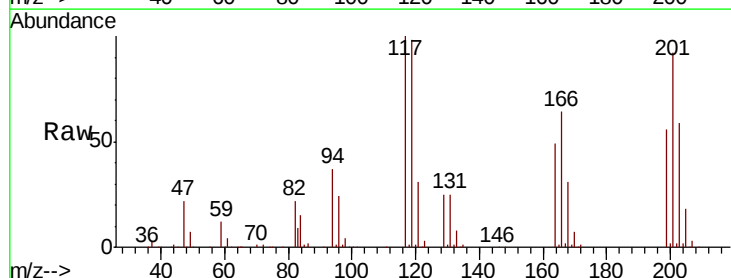
Acq: 07 Sep 2019 05:18

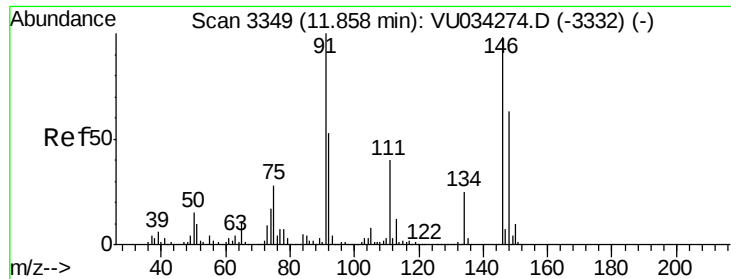
Tgt Ion: 117 Resp: 132770

Ion Ratio Lower Upper

117 100

201 90.2 44.1 132.4

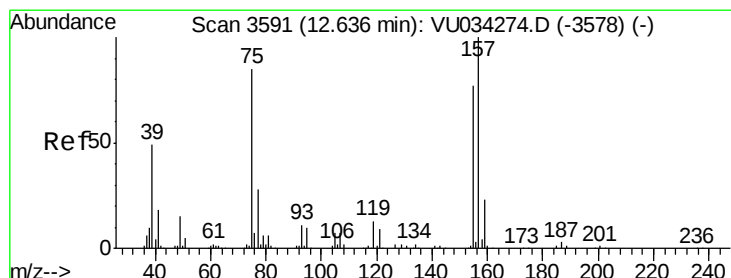
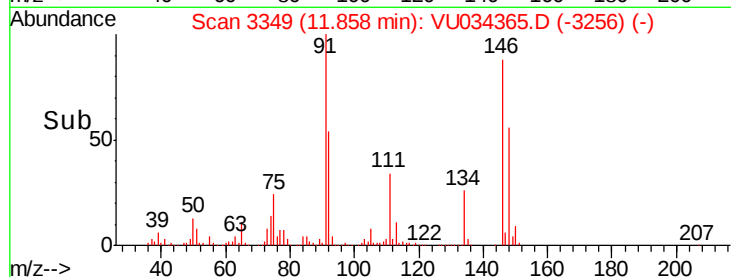
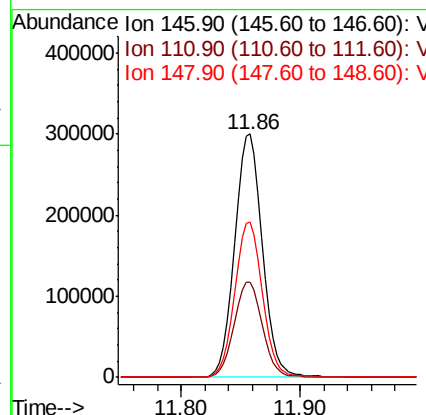
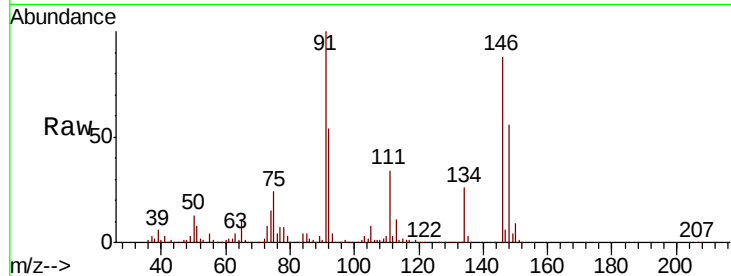




#91
 1,2-Dichlorobenzene
 Concen: 51.121 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

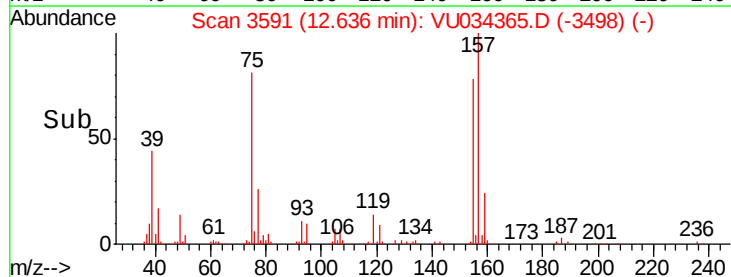
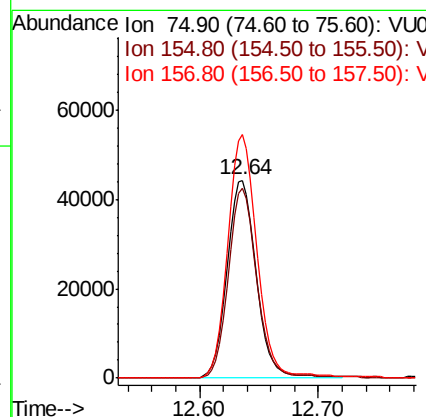
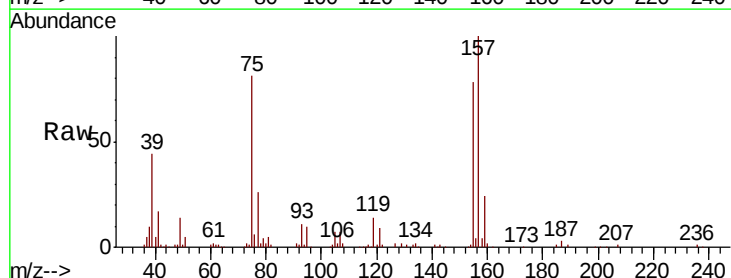
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

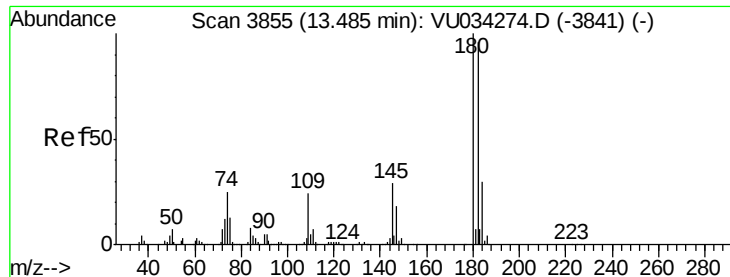
Tgt Ion:146 Resp: 484481
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 60.0
 148 64.1 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.743 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion: 75 Resp: 75550
 Ion Ratio Lower Upper
 75 100
 155 93.1 44.6 134.0
 157 123.3 58.2 174.6

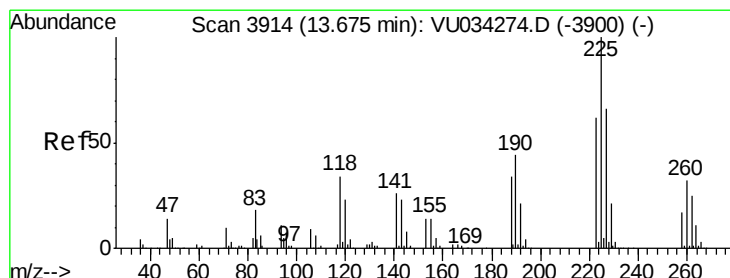
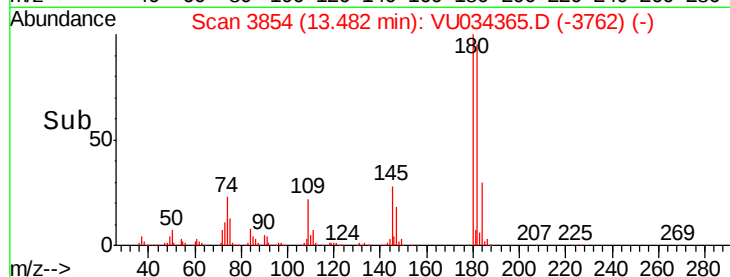
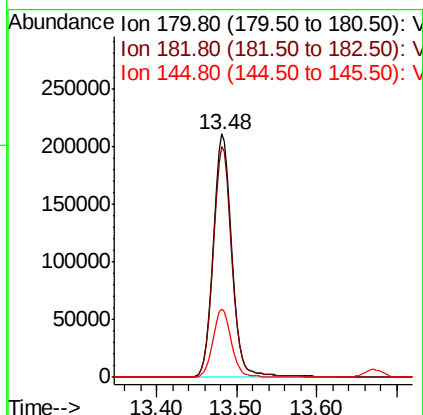
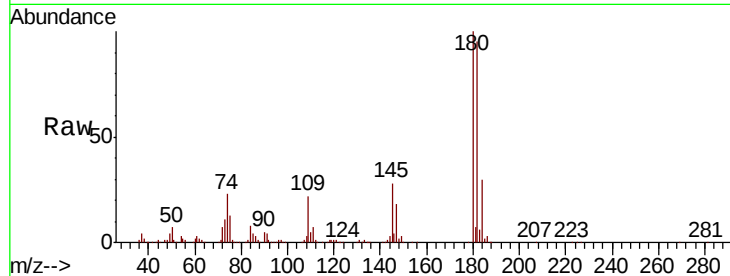




#93
 1,2,4-Trichlorobenzene
 Concen: 49.729 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

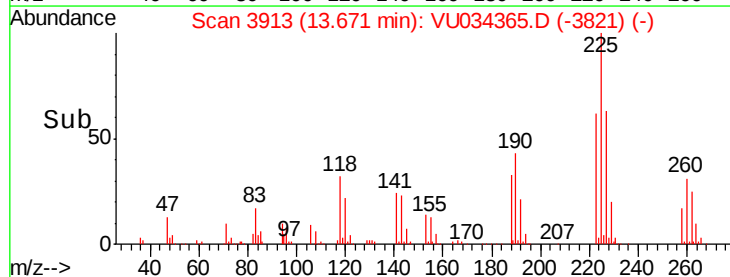
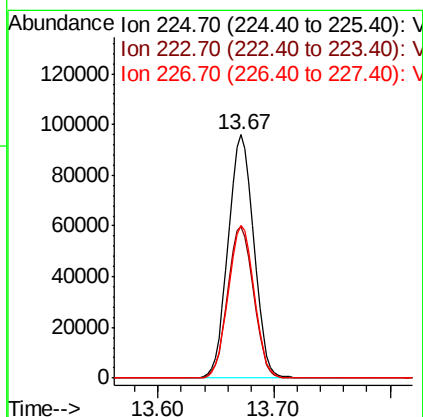
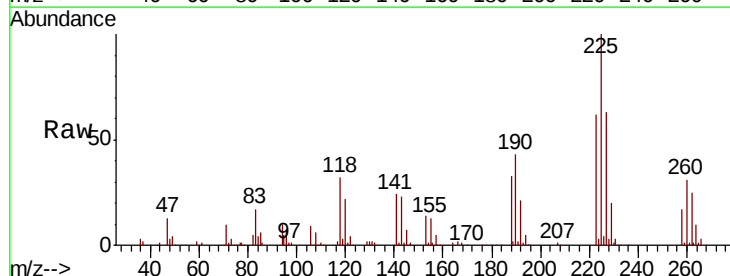
Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

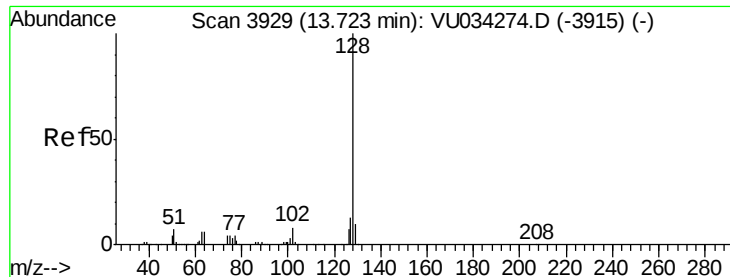
Tgt Ion:180 Resp: 341668
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.9 143.8
 145 27.9 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 44.017 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion:225 Resp: 145920
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.6 94.7
 227 63.4 32.3 96.8

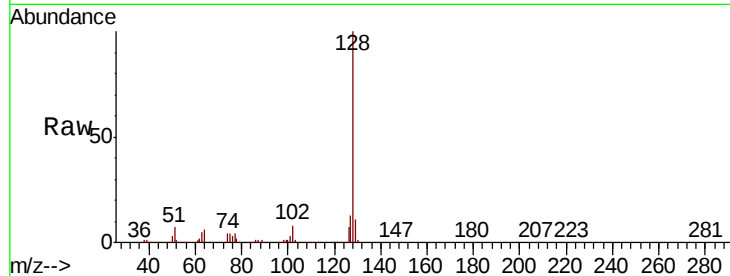




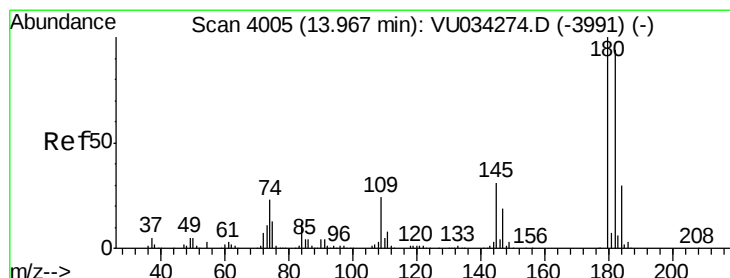
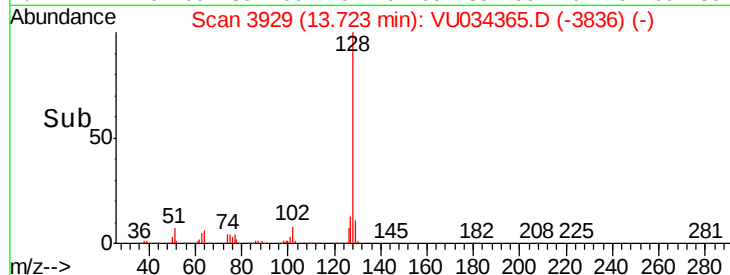
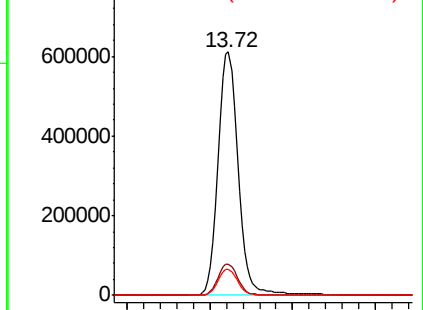
#95
Naphthalene
Concen: 52.865 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

Tgt Ion:128 Resp: 1028012
Ion Ratio Lower Upper
128 100
127 12.8 10.6 15.8
129 10.7 8.4 12.6

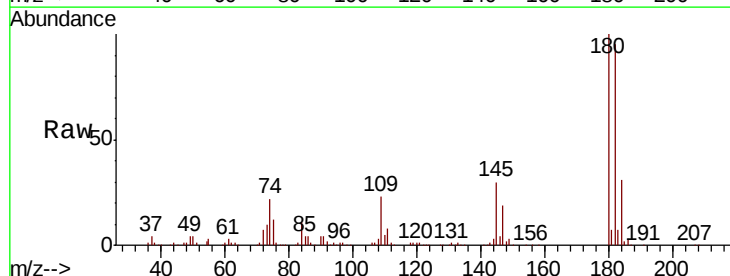


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 50.614 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion:180 Resp: 336244
Ion Ratio Lower Upper
180 100
182 96.0 48.4 145.0
145 30.5 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

