

Data File : VU033949.D
Acq On : 26 Aug 2019 11:54
Operator : JC/SP
Sample : VSTD01003
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Quant Time: Aug 27 01:25:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 27 01:19:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	268117	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	277896	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	153613	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	233513	10.11	ug/L	0.00
7) Chloroethane-d5	1.67	69	192747	9.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	448070	9.79	ug/L	0.00
20) 2-Butanone-d5	4.16	46	587077	122.18	ug/L	-0.01
24) Chloroform-d	4.62	84	398029	10.34	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	210001	10.05	ug/L	0.00
32) Benzene-d6	5.31	84	796951	11.22	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	252161	10.83	ug/L	0.00
41) Toluene-d8	7.54	98	725136	11.06	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.83	79	98750	11.27	ug/L	0.00
46) 2-Hexanone-d5	8.30	63	457695	138.70	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	207190	10.45	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	275086	10.27	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	308166	11.922	ug/L	99
3) Chloromethane	1.32	50	297384	11.794	ug/L	99
5) Vinyl chloride	1.39	62	321408	11.497	ug/L	100
6) Bromomethane	1.61	94	149736	8.732	ug/L	98
8) Chloroethane	1.68	64	189997	11.510	ug/L	97
9) Trichlorofluoromethane	1.87	101	365284	10.576	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	206075	10.328	ug/L	99
12) 1,1-Dichloroethene	2.27	96	197712	10.424	ug/L	92
13) Acetone	2.31	43	425196	114.991	ug/L	100
14) Carbon disulfide	2.46	76	694647	10.582	ug/L	100
15) Methyl Acetate	2.60	43	115945	12.322	ug/L	96
16) Methylene chloride	2.68	84	219831	9.886	ug/L	99
17) Methyl tert-butyl Ether	2.98	73	529979	10.957	ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	212749	10.203	ug/L	99
19) 1,1-Dichloroethane	3.42	63	421540	13.006	ug/L	99
21) 2-Butanone	4.24	43	672536	155.059	ug/L	97
22) cis-1,2-Dichloroethene	4.20	96	230141	13.257	ug/L	98
23) Bromochloromethane	4.52	128	101927	12.215	ug/L	96
25) Chloroform	4.65	83	407056	11.355	ug/L	100
27) 1,2-Dichloroethane	5.38	62	266981	12.819	ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	333214	12.270	ug/L	99
30) Cyclohexane	4.97	56	365639	15.181	ug/L	99
31) Carbon tetrachloride	5.11	117	296885	12.193	ug/L	99
33) Benzene	5.36	78	896877	13.415	ug/L	100
34) Trichloroethene	6.16	95	221778	12.600	ug/L	96
35) Methylcyclohexane	6.39	83	371648	14.745	ug/L	97
37) 1,2-Dichloropropane	6.41	63	237291	13.391	ug/L	100
38) Bromodichloromethane	6.73	83	290284	12.847	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	335590	14.322	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	1590395	158.343	ug/L	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.61	91	927676	13.696	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	276782	14.073	ug/L	97
45) 1,1,2-Trichloroethane	8.05	97	162639	13.022	ug/L	98
47) Tetrachloroethene	8.21	164	176448	12.279	ug/L	98
48) 2-Hexanone	8.34	43	1150259	157.950	ug/L	99
49) Dibromochloromethane	8.46	129	195002	12.630	ug/L	95
50) 1,2-Dibromoethane	8.57	107	157733	13.157	ug/L #	99
51) Chlorobenzene	9.10	112	571971	12.800	ug/L	100
52) Ethylbenzene	9.23	91	994742	14.478	ug/L	99
53) m,p-Xylene	9.36	106	379799	14.678	ug/L	100
54) o-Xylene	9.76	106	363639	14.637	ug/L	100
55) Styrene	9.77	104	644855	14.916	ug/L	97
56) Isopropylbenzene	10.15	105	962193	15.012	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	214867	13.469	ug/L	98
59) 1,2,3-Trichloropropane	10.48	75	156532	13.454	ug/L	97
61) Bromoform	9.94	173	109140	11.928	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	476653	12.907	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	481838	12.662	ug/L	100
65) 1,2-Dichlorobenzene	11.86	146	453000	12.708	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	34699	13.525	ug/L	96
67) 1,3,5-Trichlorobenzene	12.87	180	378296	13.442	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	303779	14.683	ug/L	100
69) Naphthalene	13.73	128	508521	16.543	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	296920	15.027	ug/L	98

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

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MSVOA_U
ClientSampleId :
VSTD01003

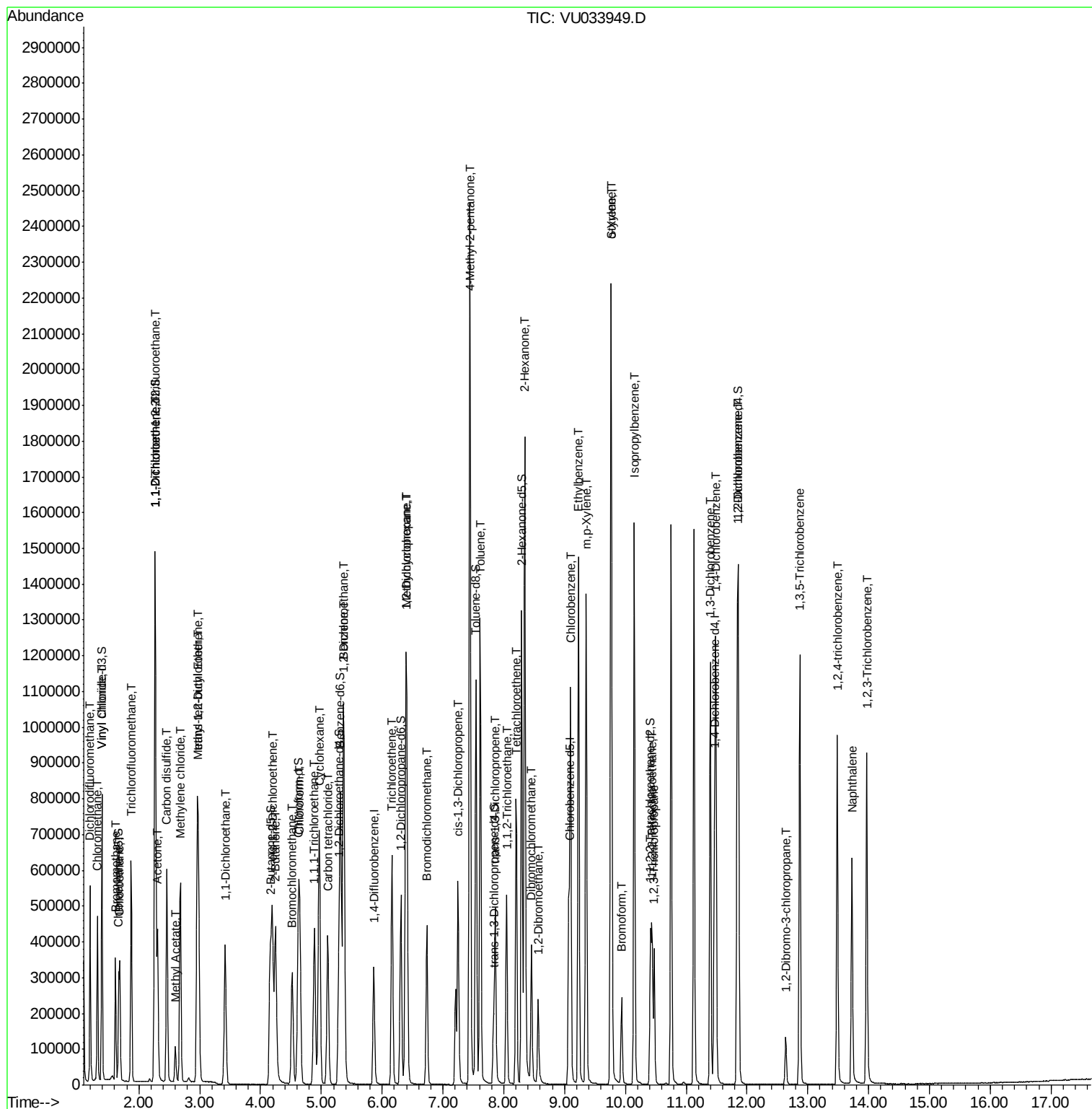
Quant Time: Aug 27 01:25:19 2019

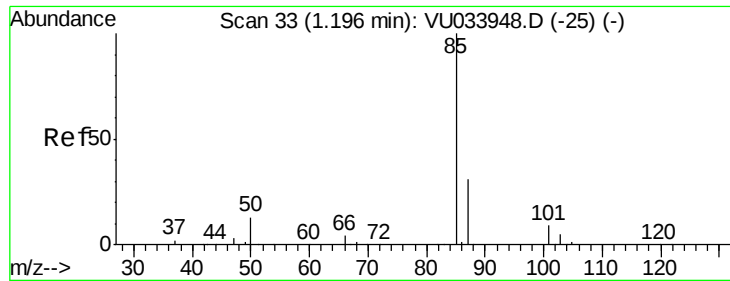
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR082619WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Aug 27 01:19:55 2019

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#2

Dichlorodifluoromethane

Concen: 11.922 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

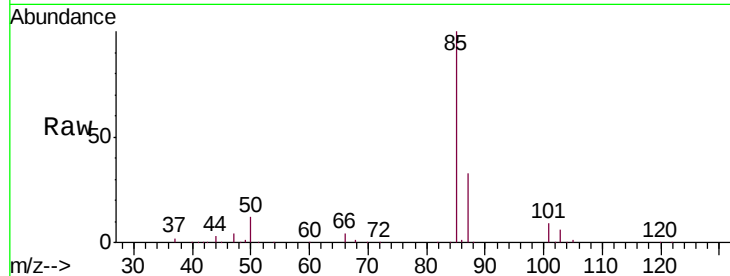
VSTD01003

Tgt Ion: 85 Resp: 308166

Ion Ratio Lower Upper

85 100

87 32.4 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VU033949.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033949.D (-1) (-)

1.20

300000

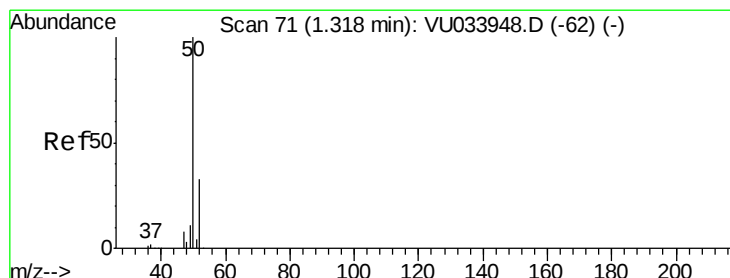
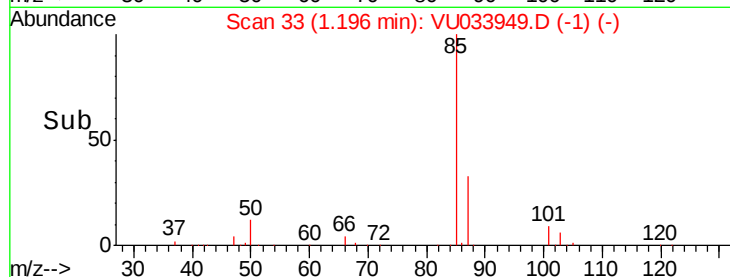
200000

100000

0

1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 11.794 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033949.D

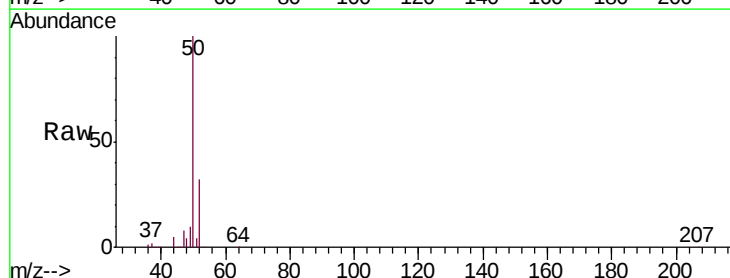
Acq: 26 Aug 2019 11:54

Tgt Ion: 50 Resp: 297384

Ion Ratio Lower Upper

50 100

52 32.3 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU033949.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU033949.D (-1) (-)

1.32

300000

250000

200000

150000

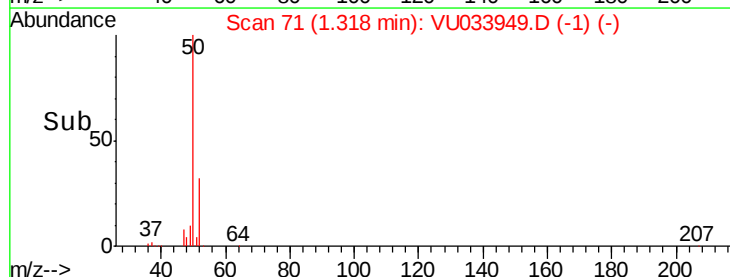
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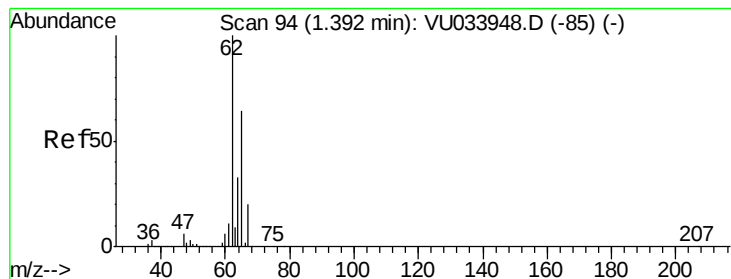
50000

0

1.25 1.30 1.35 1.40

Time-->





#5

Vinyl chloride

Concen: 11.497 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

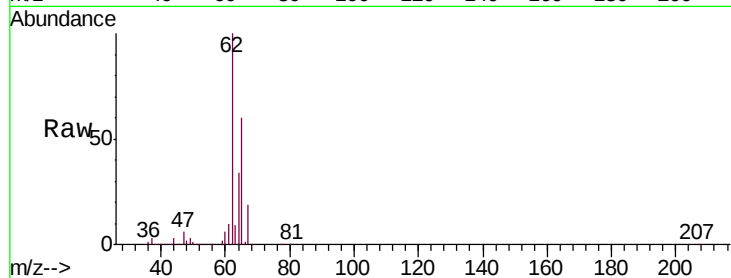
VSTD01003

Tgt Ion: 62 Resp: 321408

Ion Ratio Lower Upper

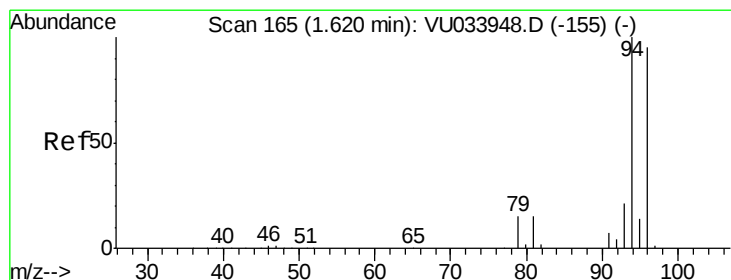
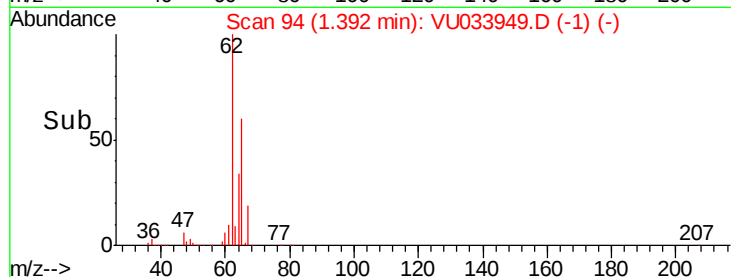
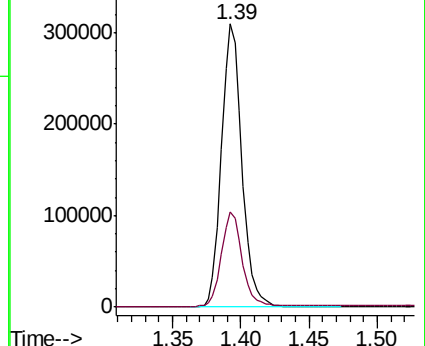
62 100

64 33.5 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VU033948.D (-85) (-)

Ion 64.10 (63.80 to 64.80): VU033948.D (-85) (-)



#6

Bromomethane

Concen: 8.732 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.01 min

Lab File: VU033949.D

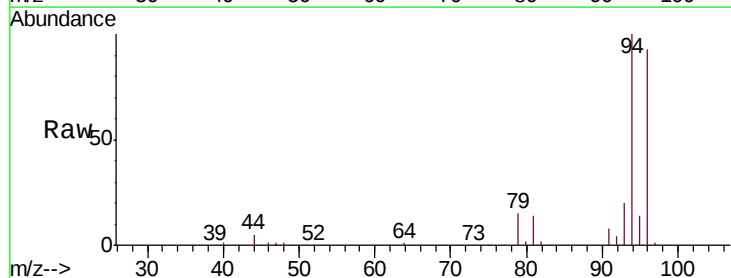
Acq: 26 Aug 2019 11:54

Tgt Ion: 94 Resp: 149736

Ion Ratio Lower Upper

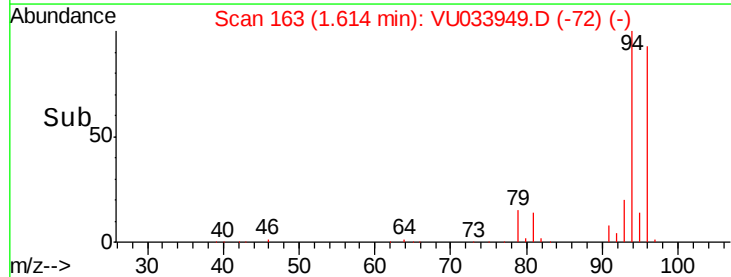
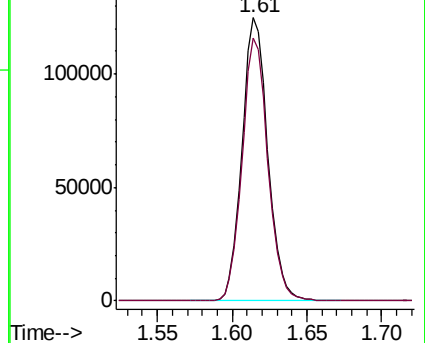
94 100

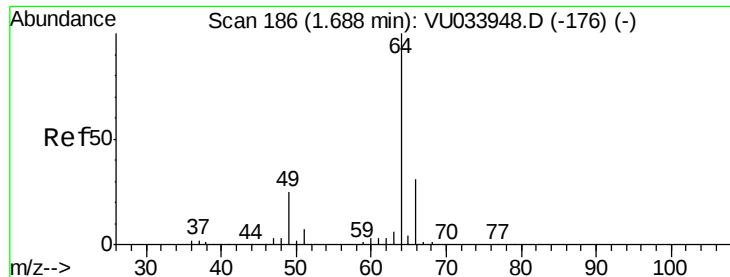
96 92.7 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VU033948.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU033948.D (-155) (-)





#8

Chloroethane

Concen: 11.510 ug/L

RT: 1.68 min Scan# 185

Delta R.T. -0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

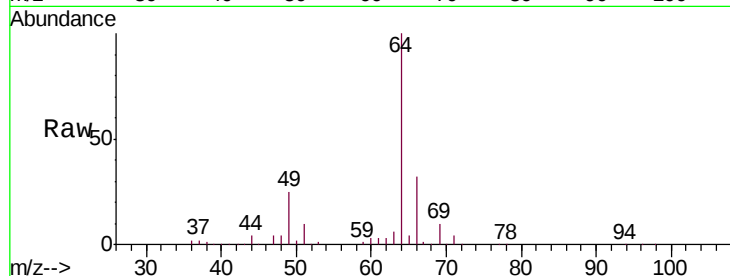
VSTD01003

Tgt Ion: 64 Resp: 189997

Ion Ratio Lower Upper

64 100

66 32.3 21.4 39.8



Abundance Ion 64.10 (63.80 to 64.80): VU033948.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU033948.D (-176) (-)

1.68

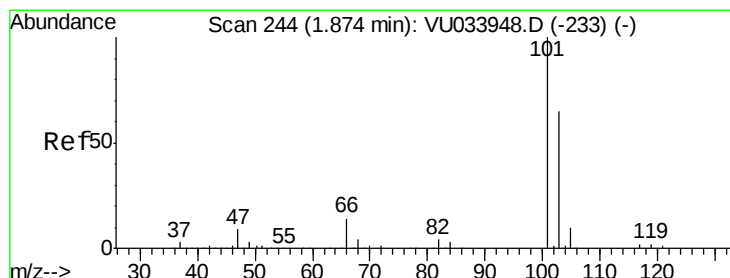
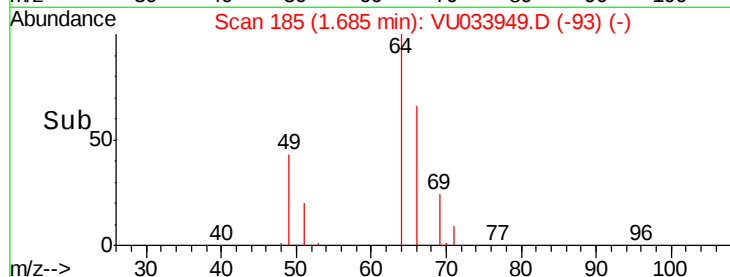
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 10.576 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033949.D

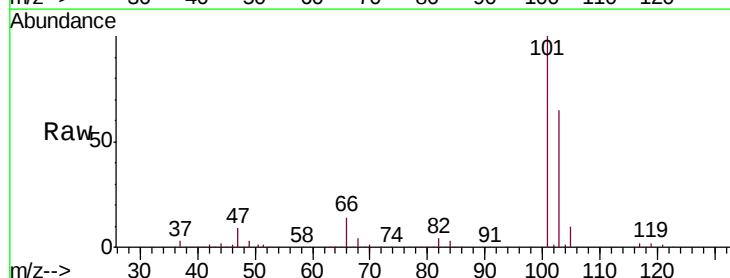
Acq: 26 Aug 2019 11:54

Tgt Ion: 101 Resp: 365284

Ion Ratio Lower Upper

101 100

103 65.4 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VU033948.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033948.D (-233) (-)

1.87

300000

250000

200000

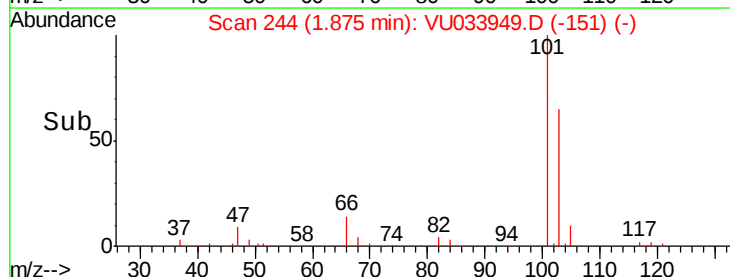
150000

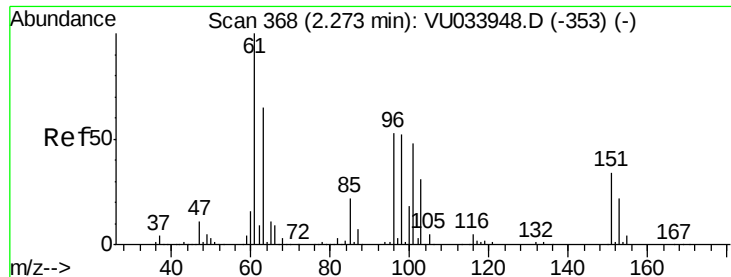
100000

50000

0

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 10.328 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

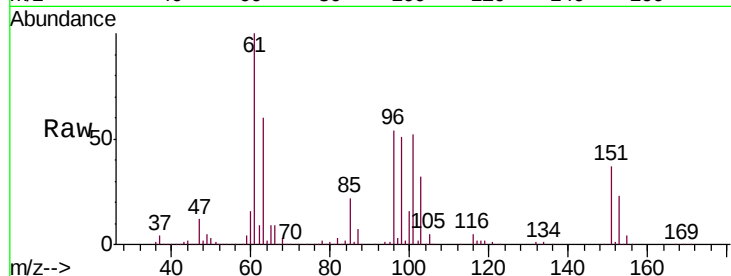
Tgt Ion: 101 Resp: 206075

Ion Ratio Lower Upper

101 100

85 43.8 36.2 54.2

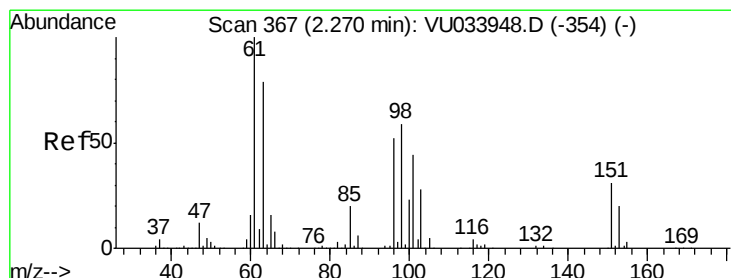
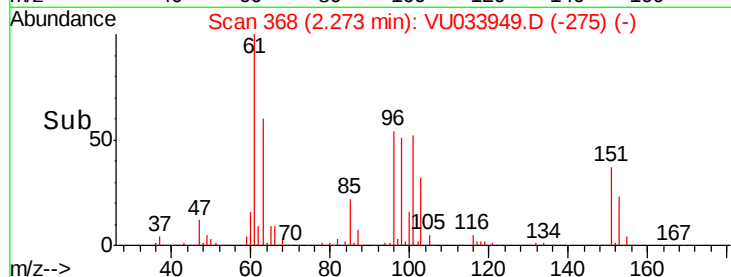
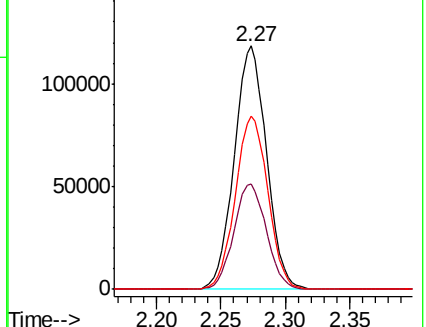
151 71.4 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 10.424 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

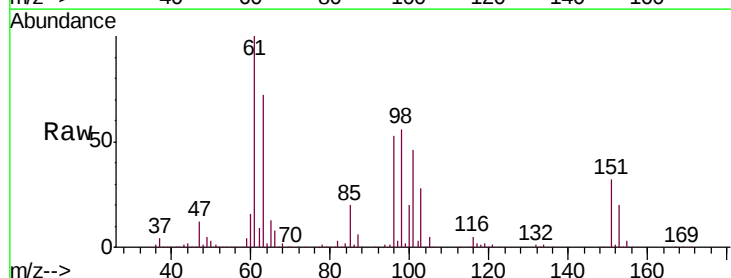
Tgt Ion: 96 Resp: 197712

Ion Ratio Lower Upper

96 100

61 189.2 135.6 251.8

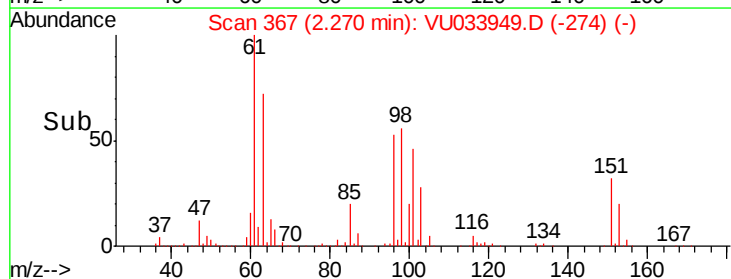
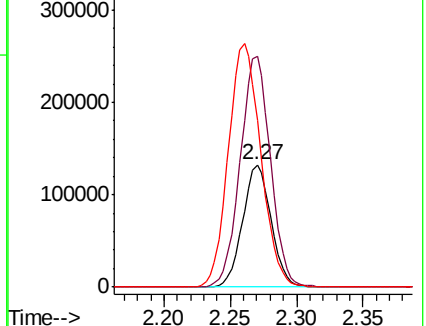
63 136.3 108.0 200.6

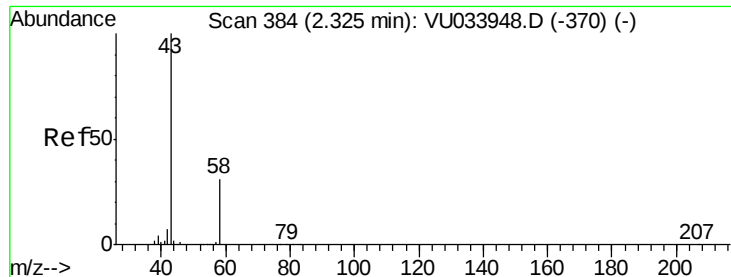


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 114.991 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.02 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

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MSVOA_U

ClientSampleId :

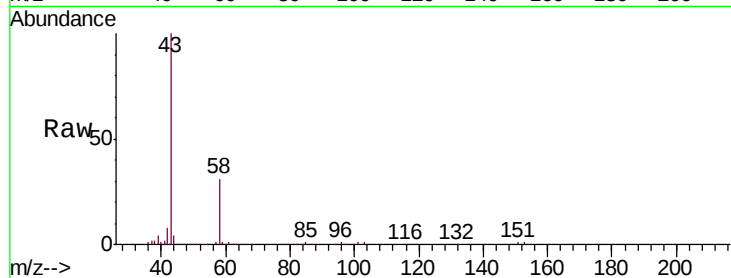
VSTD01003

Tgt Ion: 43 Resp: 425196

Ion Ratio Lower Upper

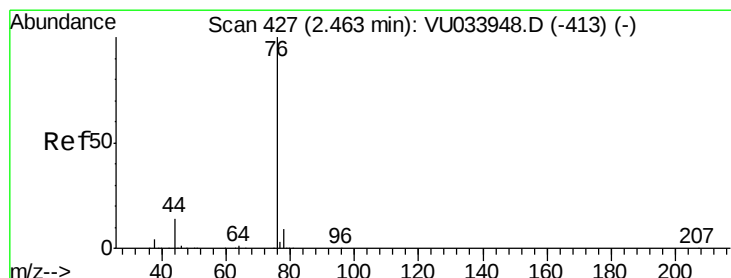
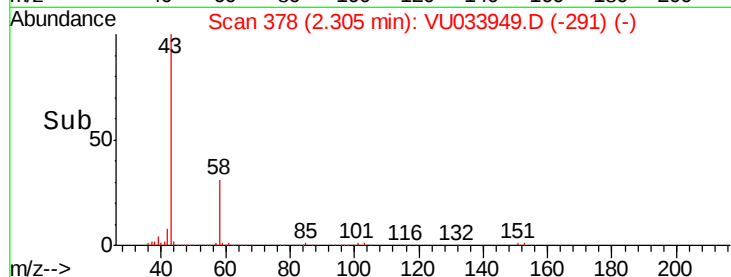
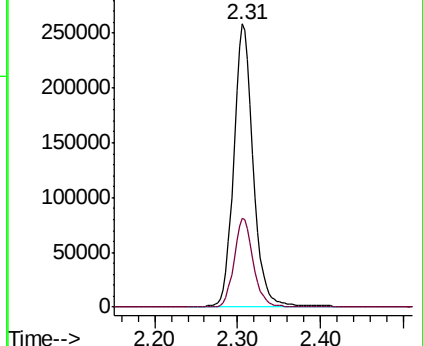
43 100

58 31.0 0.0 62.6



Abundance Ion 43.05 (42.75 to 43.75): VU033948.D (-370) (-)

Ion 58.05 (57.75 to 58.75): VU033948.D (-370) (-)



#14

Carbon disulfide

Concen: 10.582 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033949.D

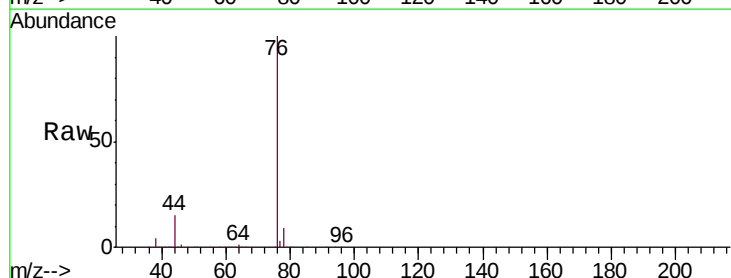
Acq: 26 Aug 2019 11:54

Tgt Ion: 76 Resp: 694647

Ion Ratio Lower Upper

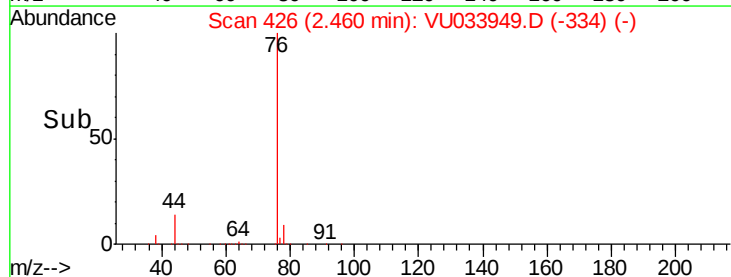
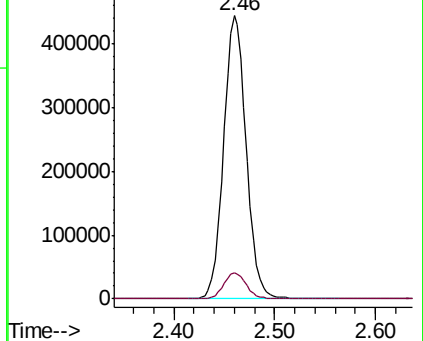
76 100

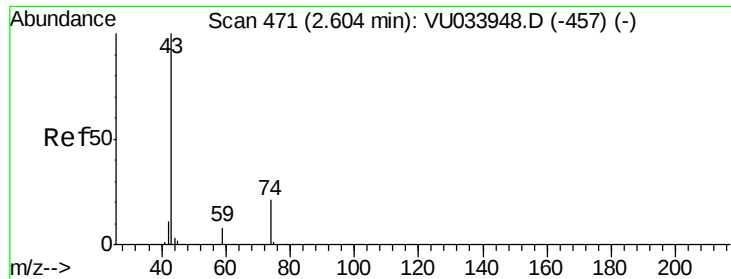
78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU033948.D (-413) (-)

Ion 78.00 (77.70 to 78.70): VU033948.D (-413) (-)

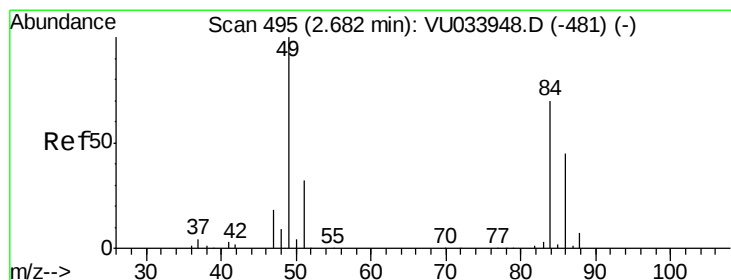
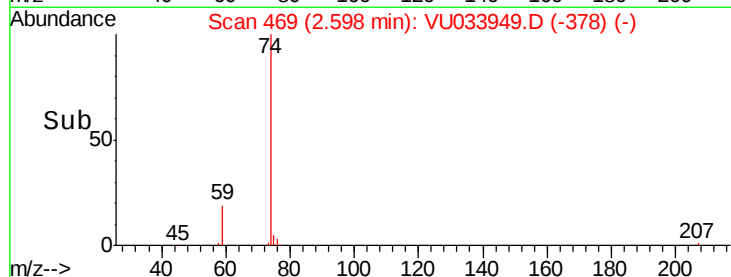
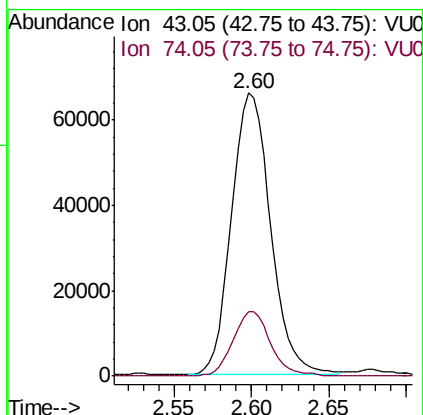
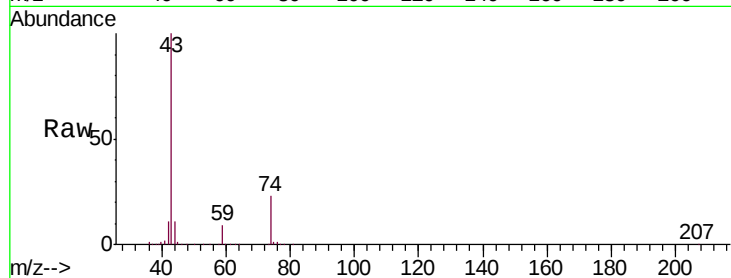




#15
Methyl Acetate
Concen: 12.322 ug/L
RT: 2.60 min Scan# 469
Delta R.T. -0.01 min
Lab File: VU033949.D
Acq: 26 Aug 2019 11:54

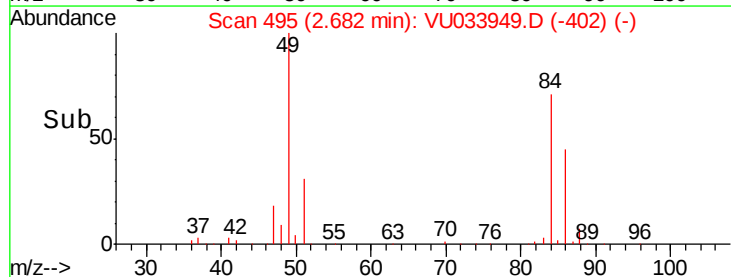
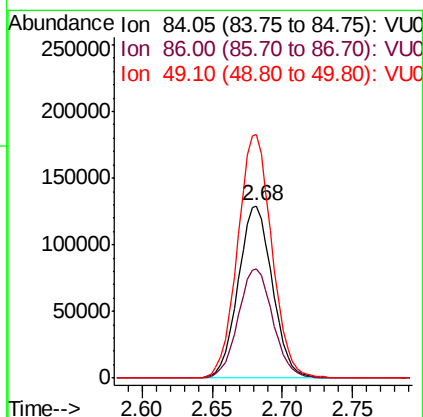
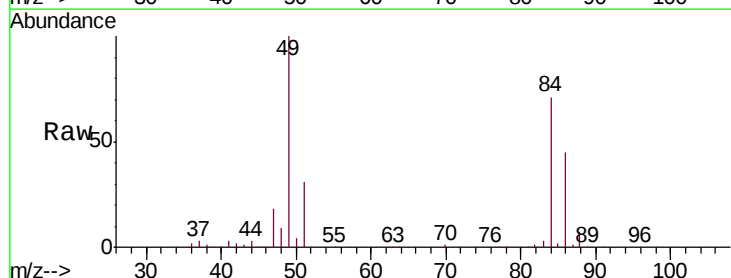
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

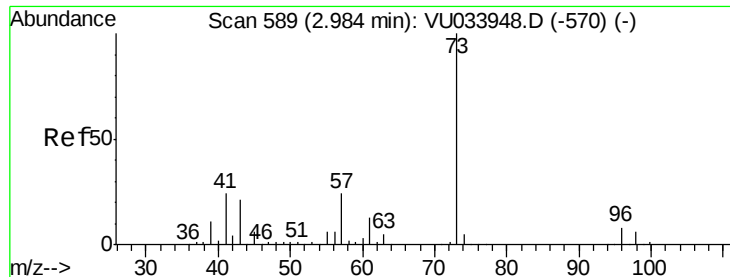
Tgt Ion: 43 Resp: 115945
Ion Ratio Lower Upper
43 100
74 22.2 16.3 24.5



#16
Methylene chloride
Concen: 9.886 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033949.D
Acq: 26 Aug 2019 11:54

Tgt Ion: 84 Resp: 219831
Ion Ratio Lower Upper
84 100
86 63.7 44.7 83.1
49 141.6 100.1 185.9



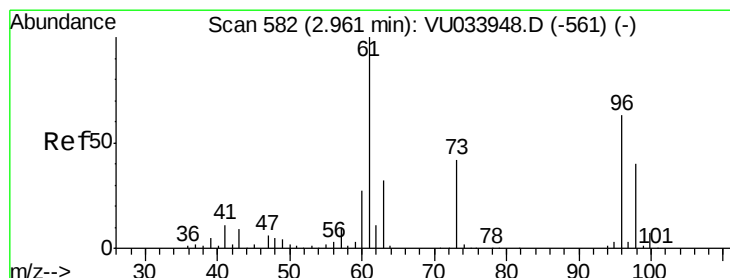
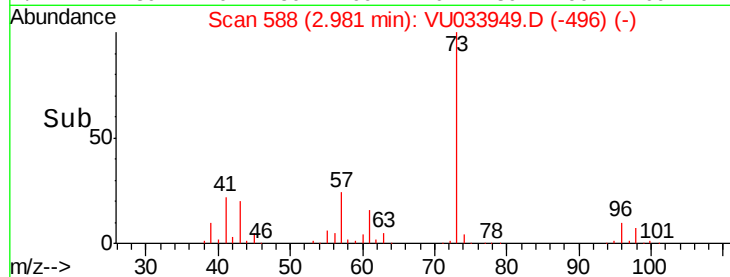
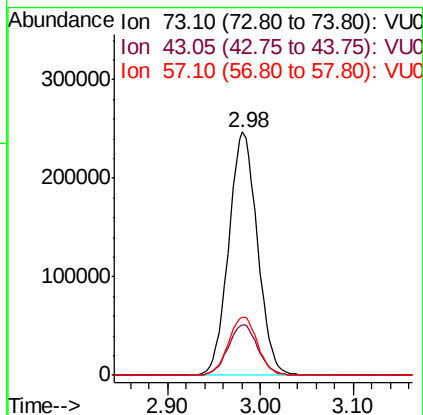
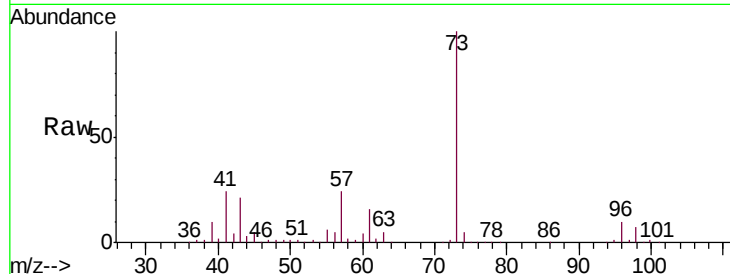


#17

Methyl tert-butyl Ether
 Concen: 10.957 ug/L
 RT: 2.98 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

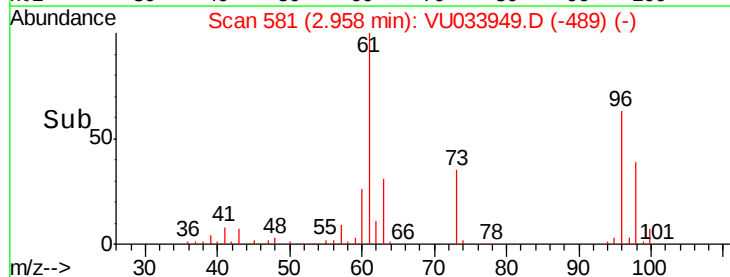
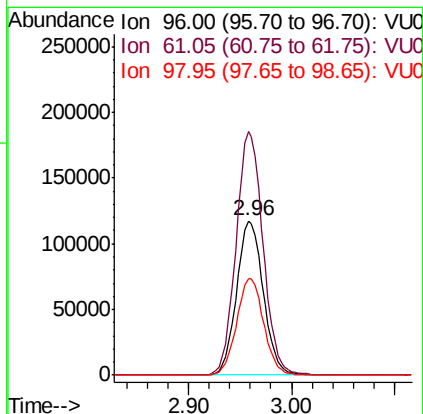
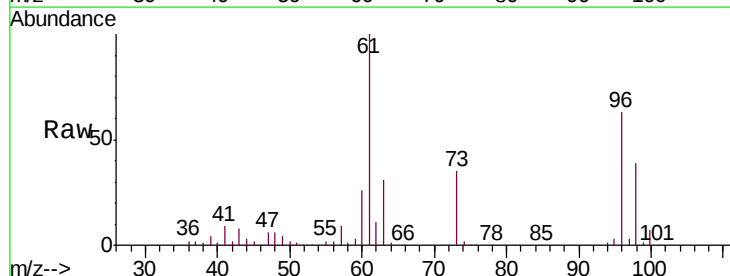
Tgt Ion:	73	Resp:	529979
Ion	Ratio	Lower	Upper
73	100		
43	21.3	16.6	24.8
57	24.3	19.1	28.7

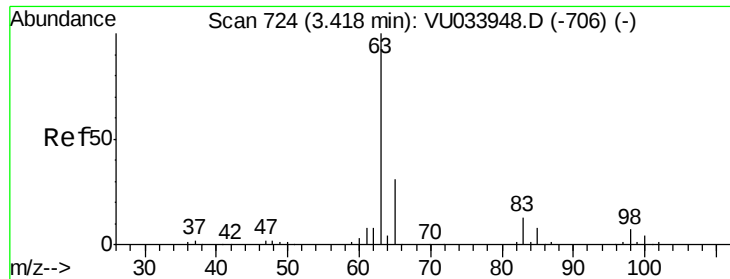


#18

trans-1,2-Dichloroethene
 Concen: 10.203 ug/L
 RT: 2.96 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

Tgt Ion:	96	Resp:	212749
Ion	Ratio	Lower	Upper
96	100		
61	158.0	110.3	204.9
98	62.2	44.2	82.0

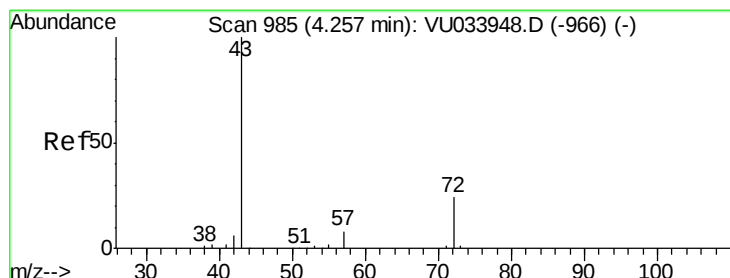
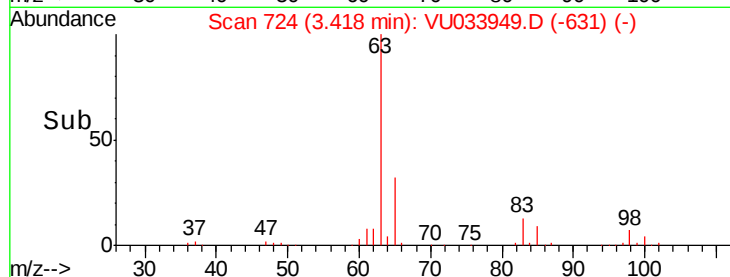
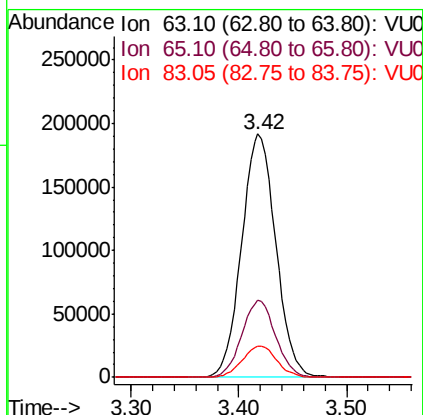
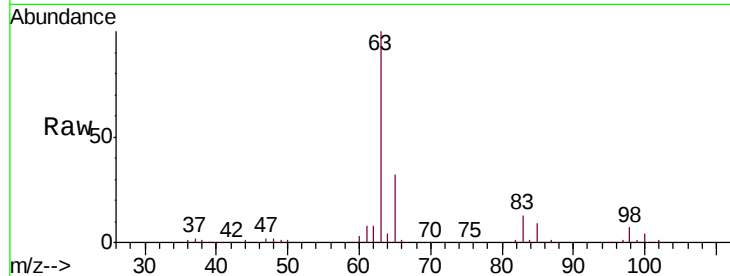




#19
 1,1-Dichloroethane
 Concen: 13.006 ug/L
 RT: 3.42 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

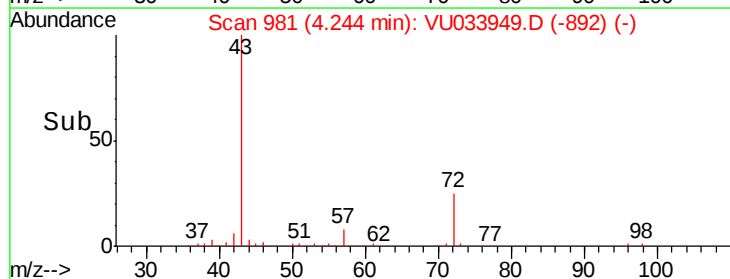
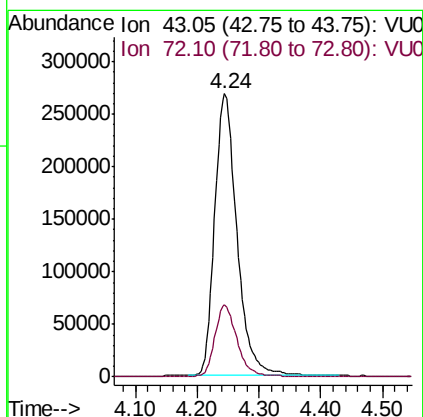
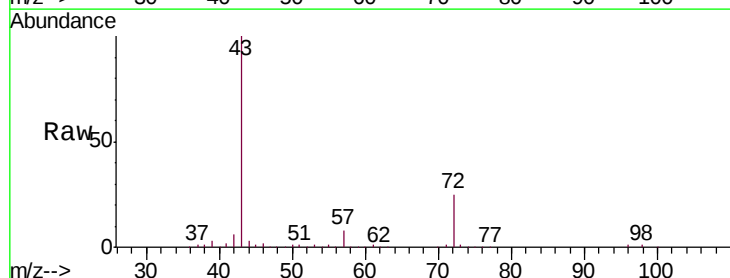
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

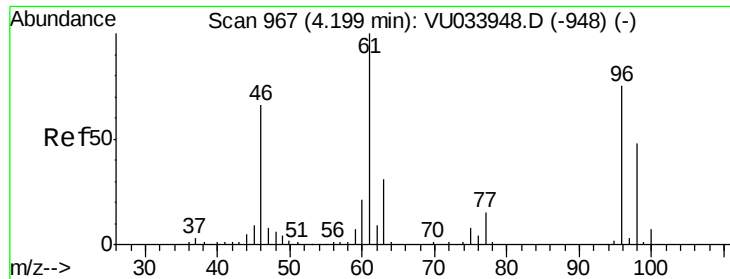
Tgt Ion: 63 Resp: 421540
 Ion Ratio Lower Upper
 63 100
 65 31.5 21.7 40.3
 83 12.9 8.9 16.5



#21
 2-Butanone
 Concen: 155.059 ug/L
 RT: 4.24 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

Tgt Ion: 43 Resp: 672536
 Ion Ratio Lower Upper
 43 100
 72 25.8 12.3 36.8

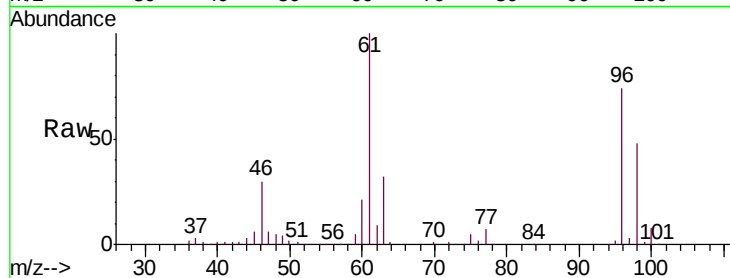




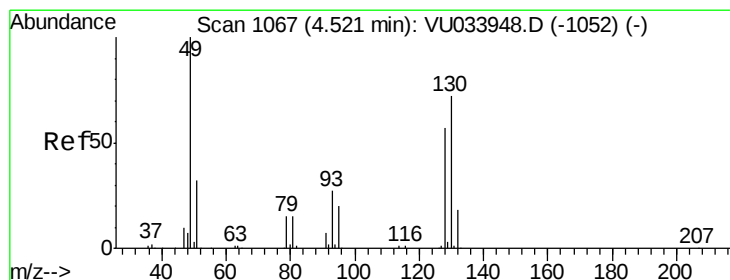
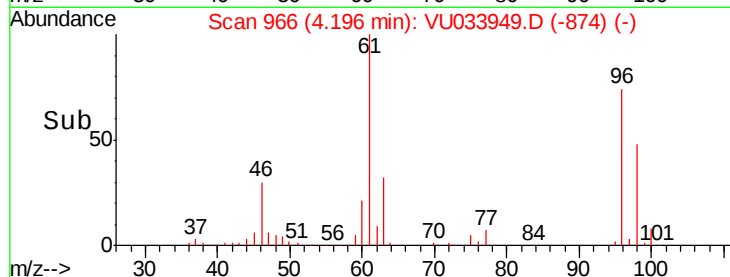
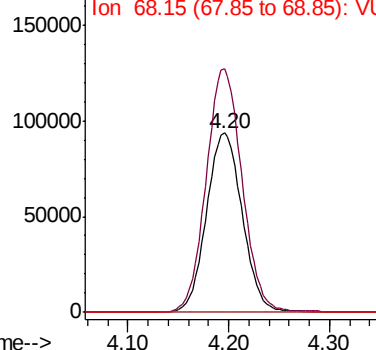
#22
 cis-1,2-Dichloroethene
 Concen: 13.257 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Tgt Ion: 96 Resp: 230141
 Ion Ratio Lower Upper
 96 100
 61 136.0 93.8 174.2
 68 0.0 0.0 0.0

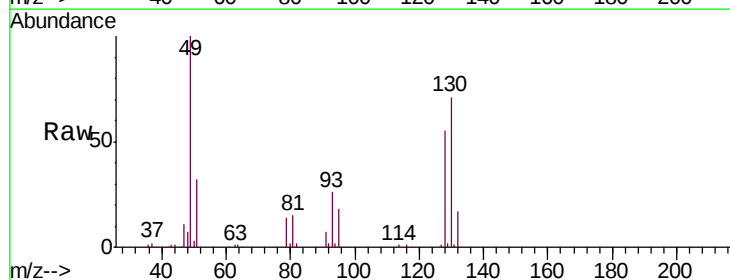


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

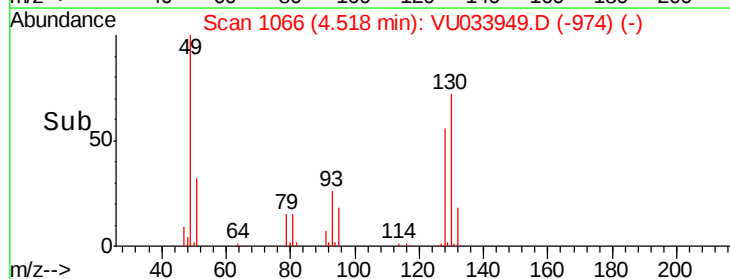
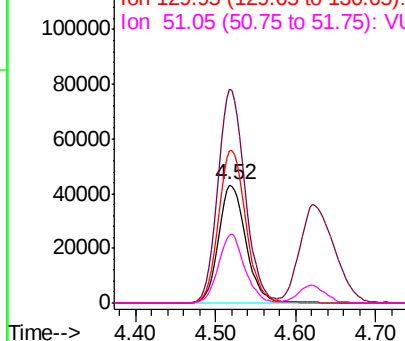


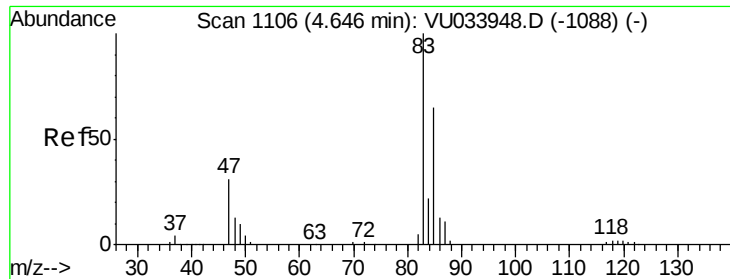
#23
 Bromochloromethane
 Concen: 12.215 ug/L
 RT: 4.52 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

Tgt Ion: 128 Resp: 101927
 Ion Ratio Lower Upper
 128 100
 49 181.1 122.4 227.2
 130 128.8 87.8 163.0
 51 57.8 44.0 66.0



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

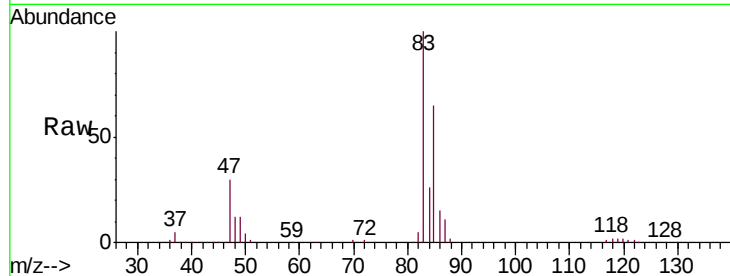




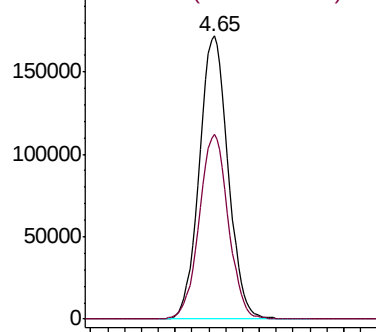
#25
Chloroform
Concen: 11.355 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033949.D
Acq: 26 Aug 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

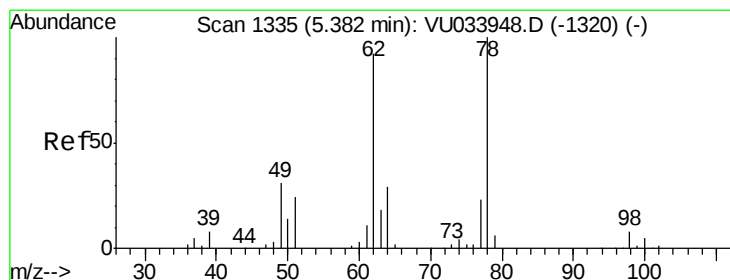
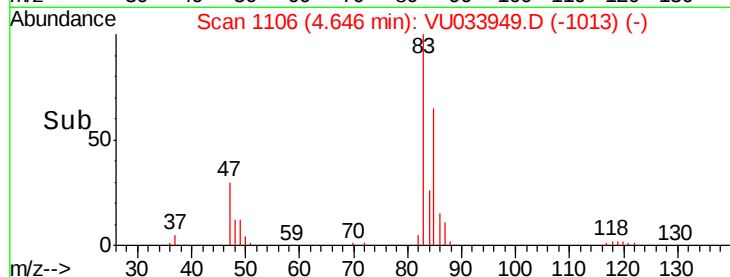
Tgt Ion: 83 Resp: 407056
Ion Ratio Lower Upper
83 100
85 65.2 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VU033948.D (-1088) (-)
Ion 85.00 (84.70 to 85.70): VU033949.D (-1013) (-)

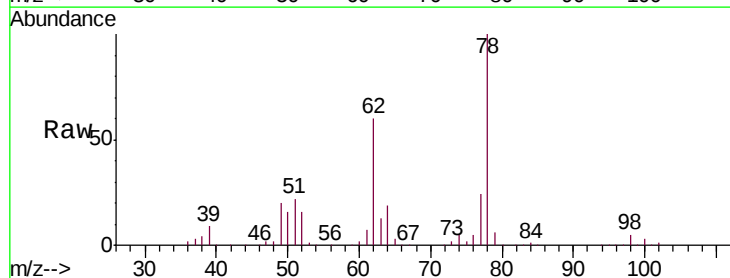


Time-->

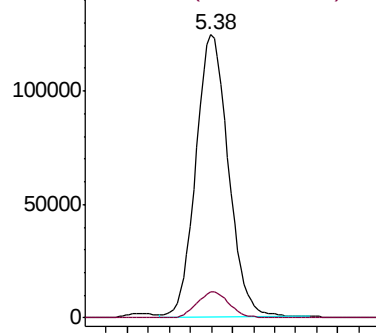


#27
1,2-Dichloroethane
Concen: 12.819 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU033949.D
Acq: 26 Aug 2019 11:54

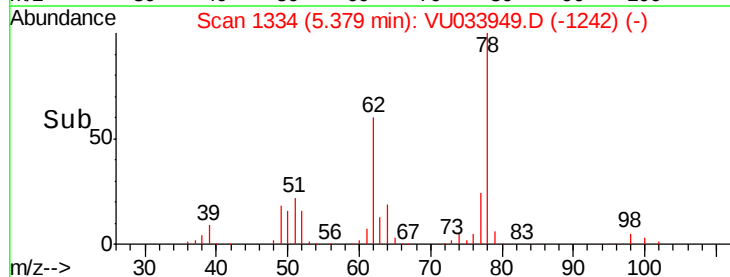
Tgt Ion: 62 Resp: 266981
Ion Ratio Lower Upper
62 100
98 9.1 7.2 10.8

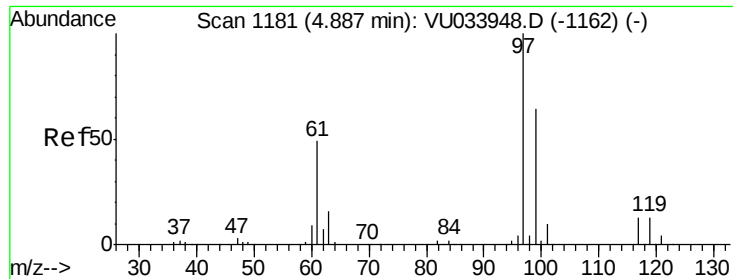


Abundance Ion 62.00 (61.70 to 62.70): VU033948.D (-1320) (-)
Ion 98.05 (97.75 to 98.75): VU033949.D (-1242) (-)



Time-->

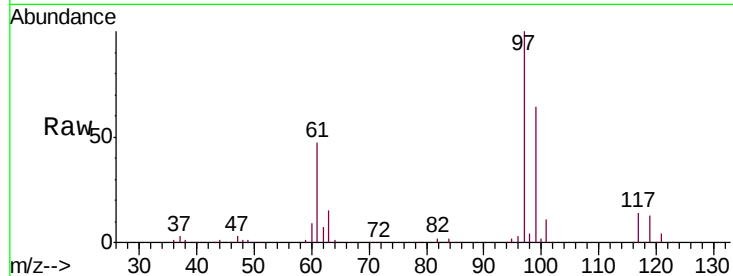




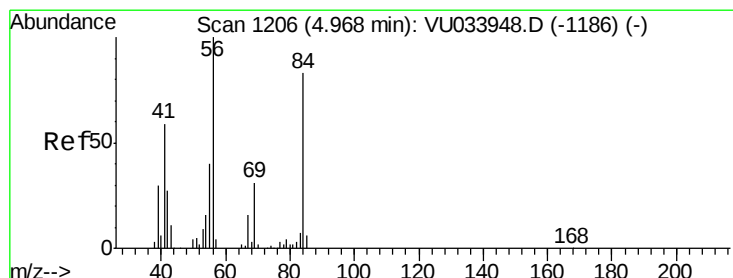
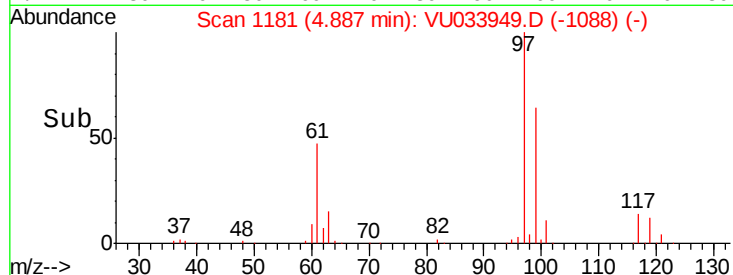
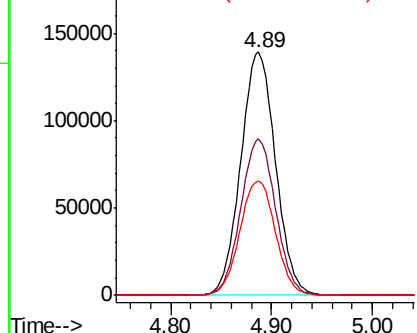
#29
 1,1,1-Trichloroethane
 Concen: 12.270 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Tgt Ion: 97 Resp: 333214
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.5 77.3
 61 48.1 39.1 58.7

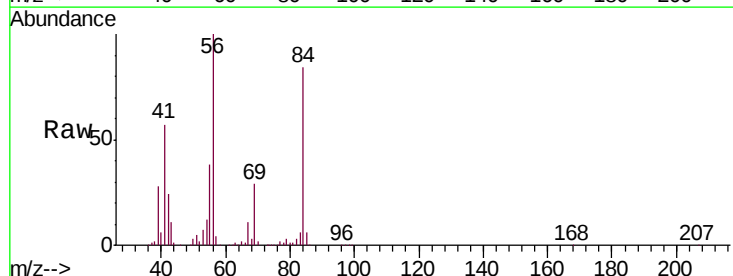


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

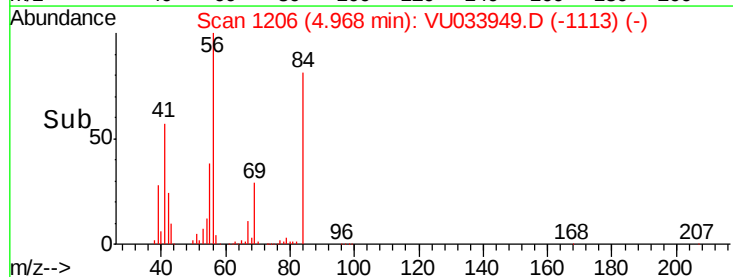
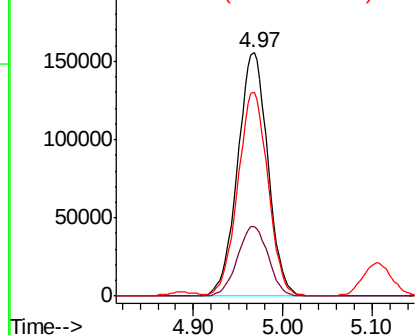


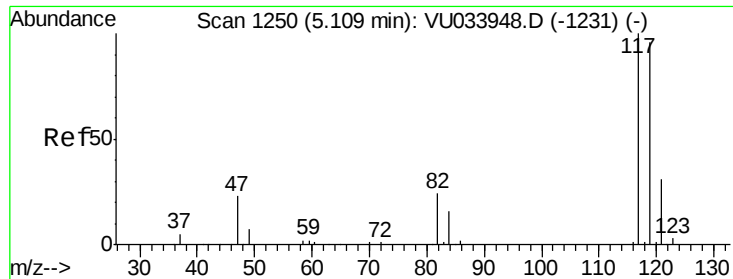
#30
 Cyclohexane
 Concen: 15.181 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

Tgt Ion: 56 Resp: 365639
 Ion Ratio Lower Upper
 56 100
 69 29.2 23.5 35.3
 84 83.9 66.3 99.5



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 12.193 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

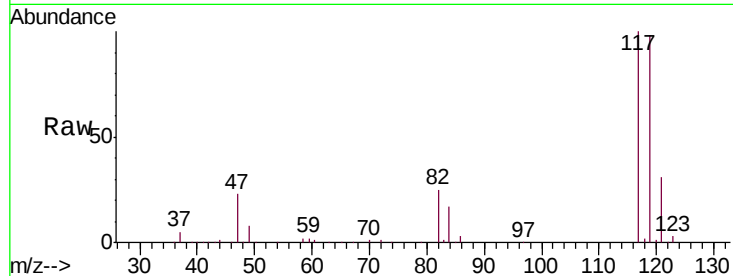
VSTD01003

Tgt Ion:117 Resp: 296885

Ion Ratio Lower Upper

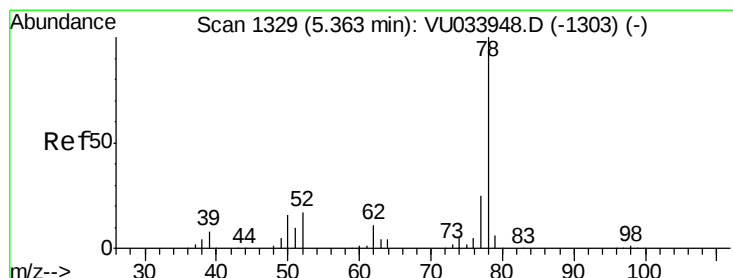
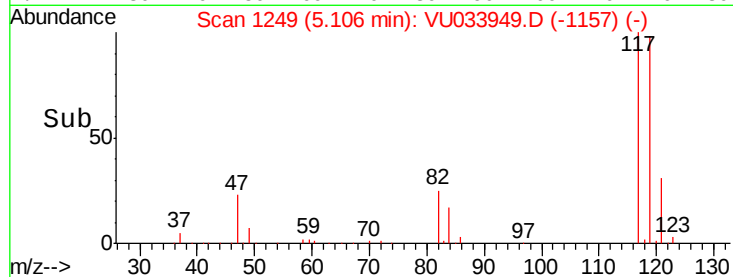
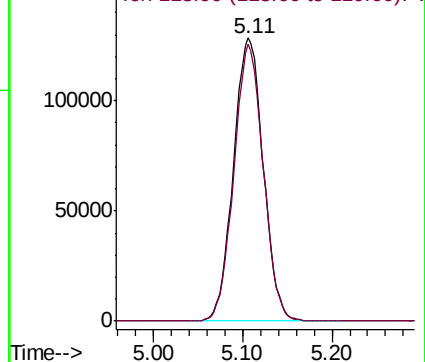
117 100

119 96.3 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 13.415 ug/L

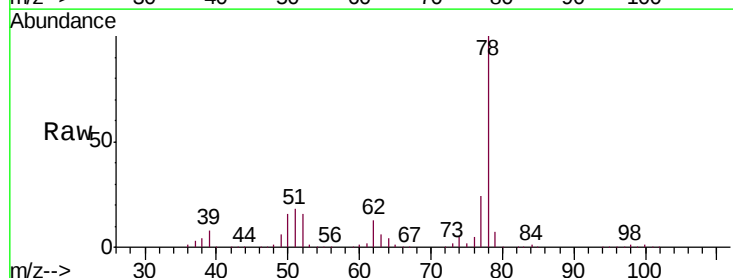
RT: 5.36 min Scan# 1329

Delta R.T. 0.00 min

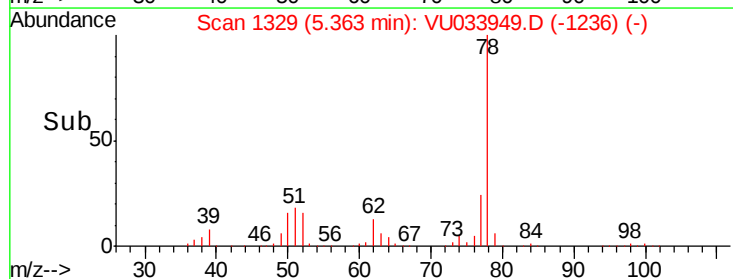
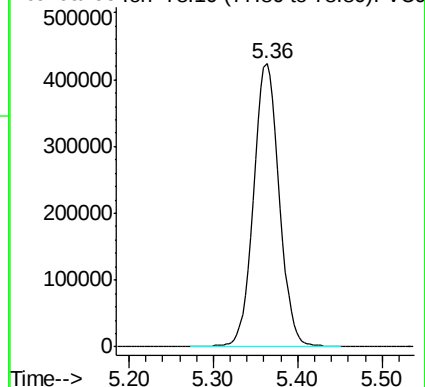
Lab File: VU033949.D

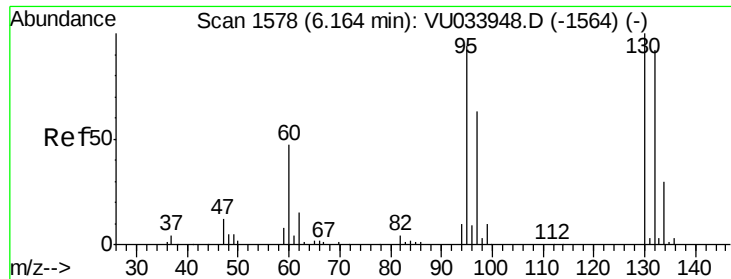
Acq: 26 Aug 2019 11:54

Tgt Ion: 78 Resp: 896877



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 12.600 ug/L

RT: 6.16 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

Tgt Ion: 95 Resp: 221778

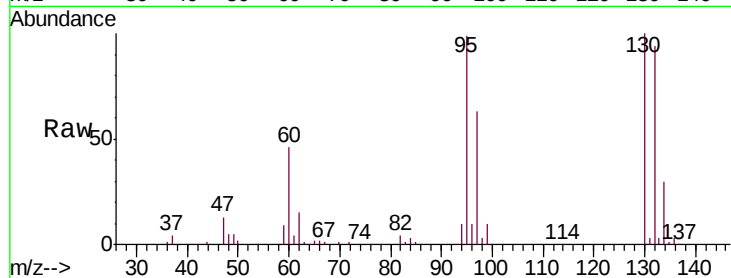
Ion Ratio Lower Upper

95 100

97 63.7 46.9 87.1

132 94.3 67.9 126.1

130 100.6 74.1 137.7

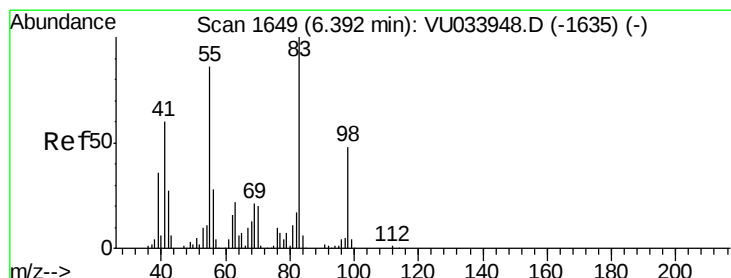
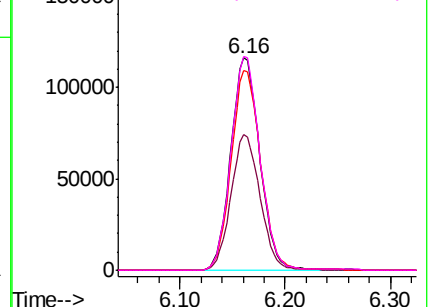
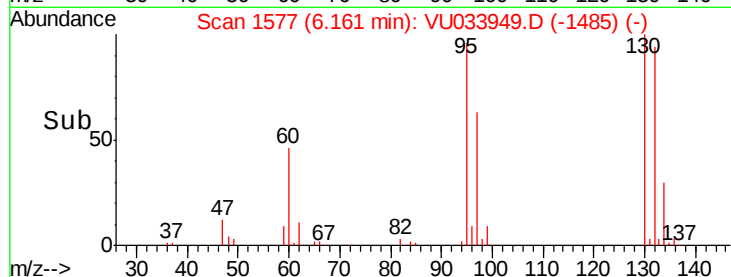


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 14.745 ug/L

RT: 6.39 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

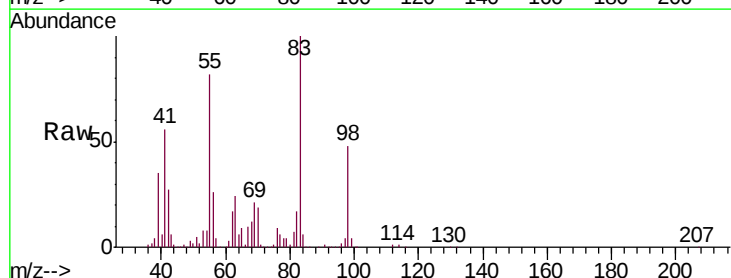
Tgt Ion: 83 Resp: 371648

Ion Ratio Lower Upper

83 100

55 82.6 68.6 103.0

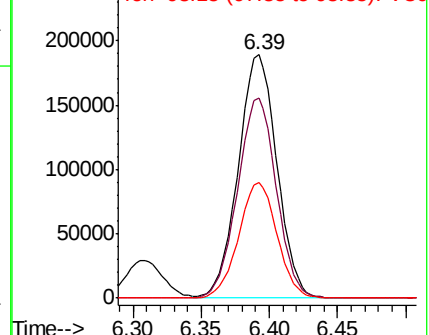
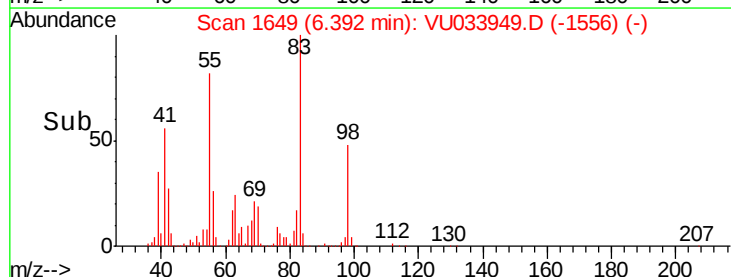
98 47.3 38.7 58.1

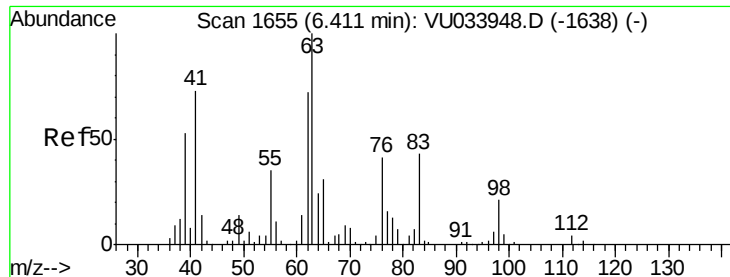


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

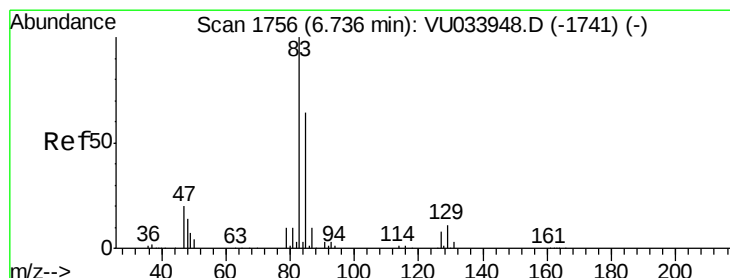
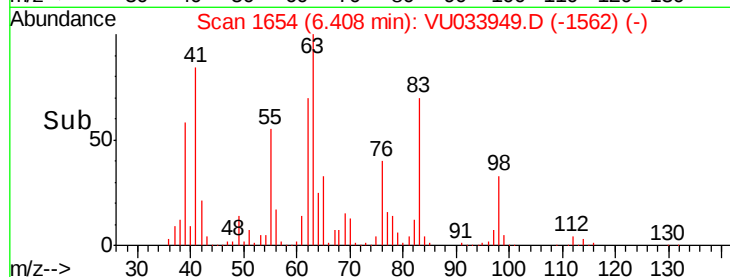
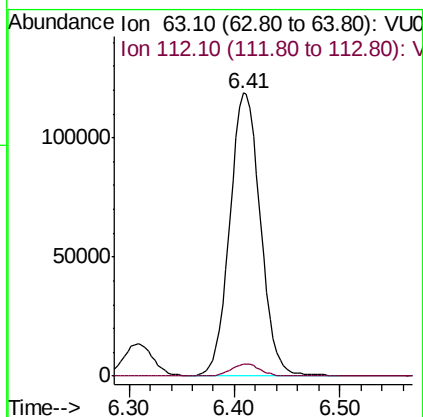
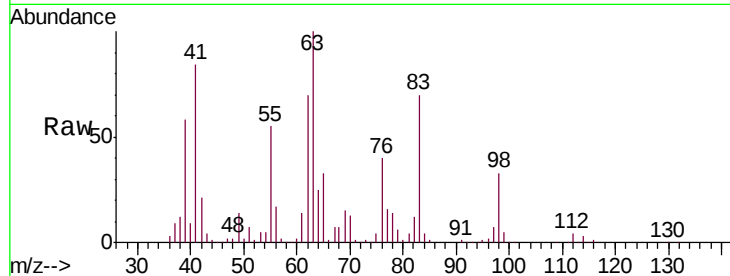




#37
 1,2-Dichloropropane
 Concen: 13.391 ug/L
 RT: 6.41 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

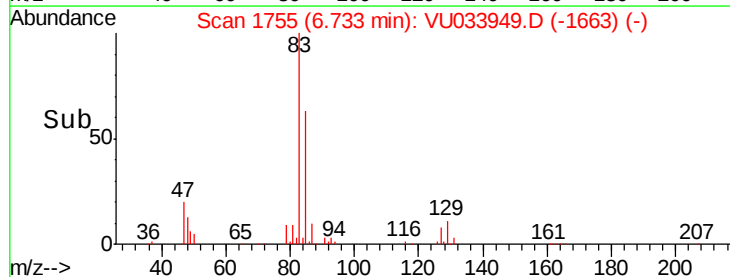
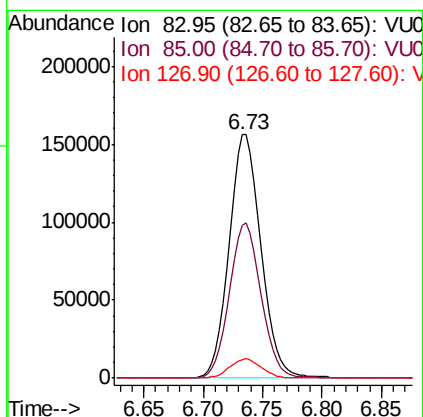
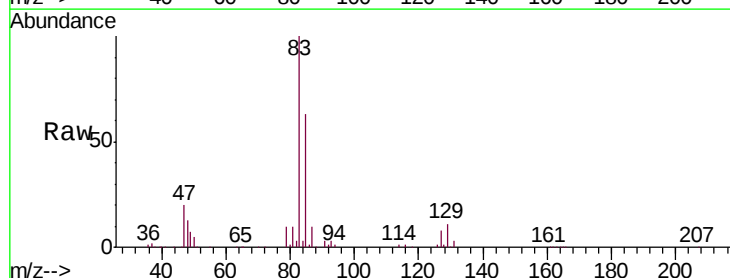
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

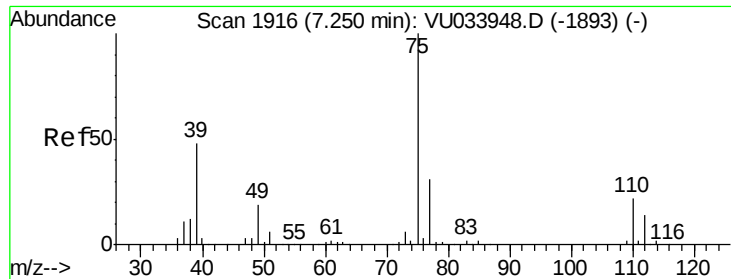
Tgt Ion: 63 Resp: 237291
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.0



#38
 Bromodichloromethane
 Concen: 12.847 ug/L
 RT: 6.73 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

Tgt Ion: 83 Resp: 290284
 Ion Ratio Lower Upper
 83 100
 85 62.6 44.5 82.7
 127 7.6 6.6 9.8

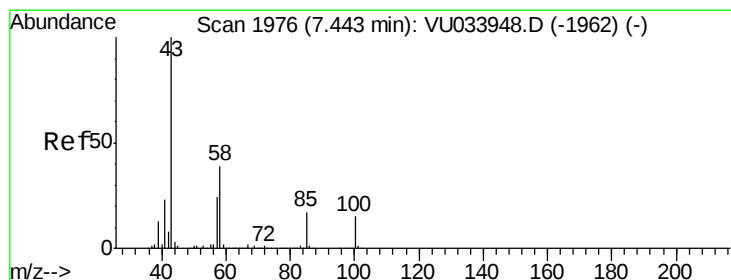
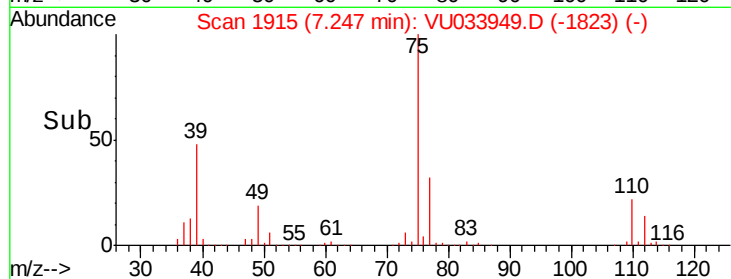
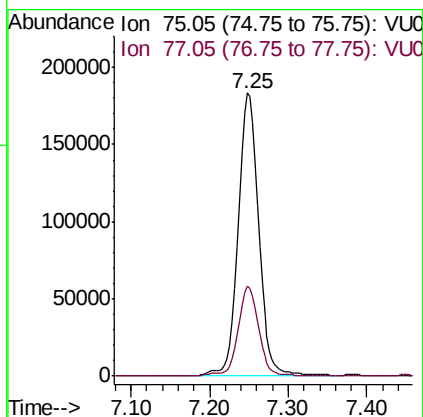
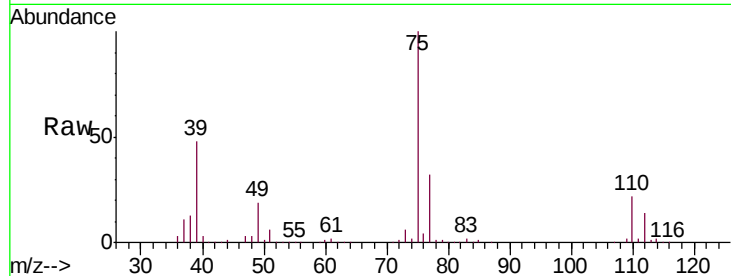




#39
 cis-1,3-Dichloropropene
 Concen: 14.322 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

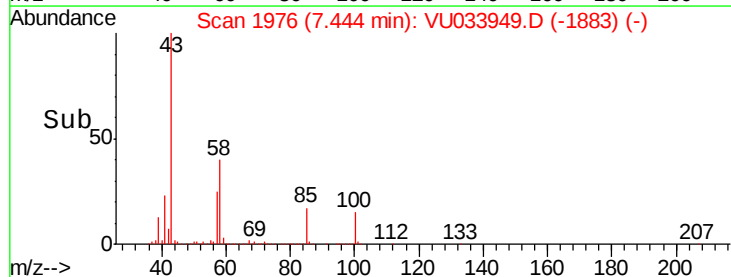
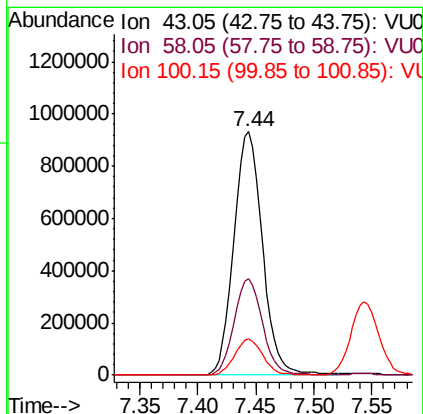
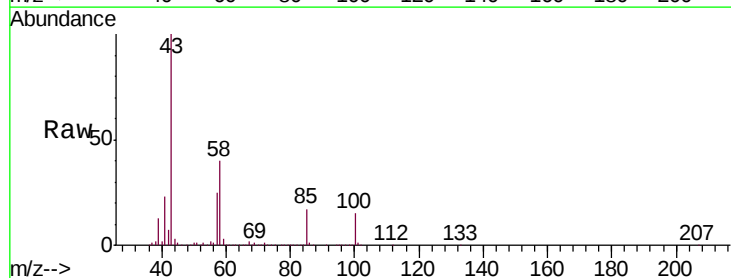
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

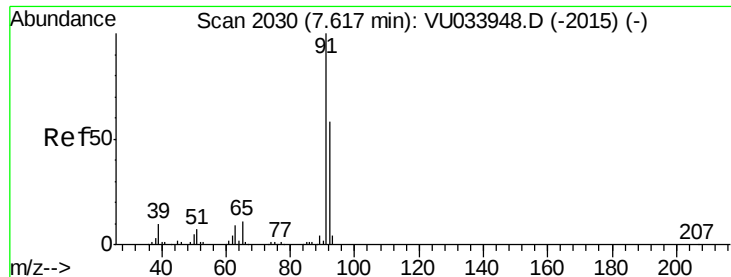
Tgt Ion: 75 Resp: 335590
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 158.343 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

Tgt Ion: 43 Resp: 1590395
 Ion Ratio Lower Upper
 43 100
 58 39.3 30.3 45.5
 100 14.7 11.4 17.2





#42

Toluene

Concen: 13.696 ug/L

RT: 7.61 min Scan# 2029

Delta R.T. -0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

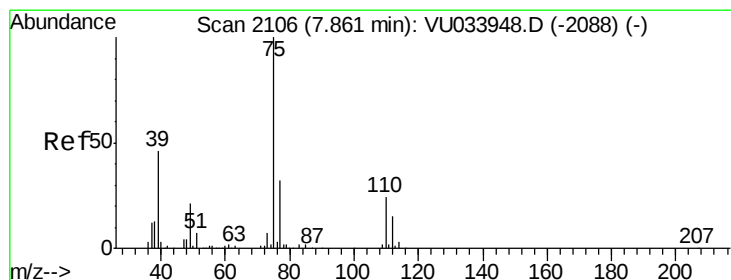
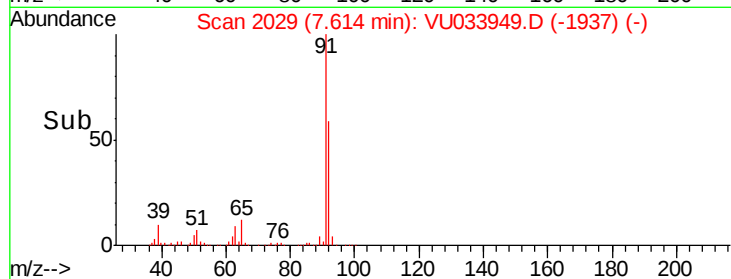
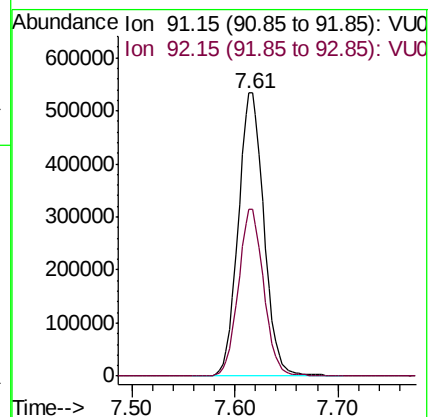
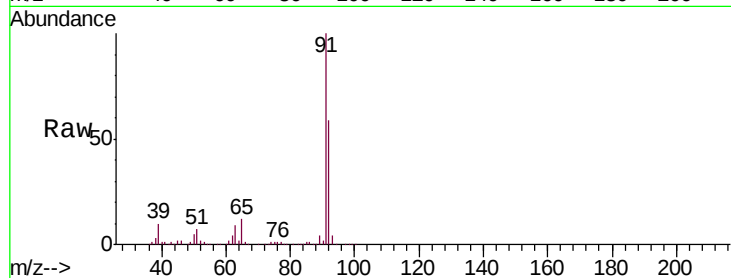
VSTD01003

Tgt Ion: 91 Resp: 927676

Ion Ratio Lower Upper

91 100

92 59.1 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 14.073 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033949.D

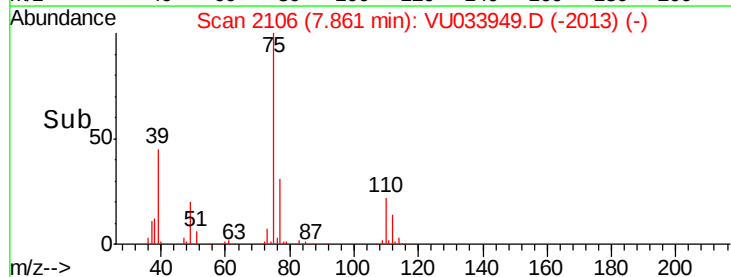
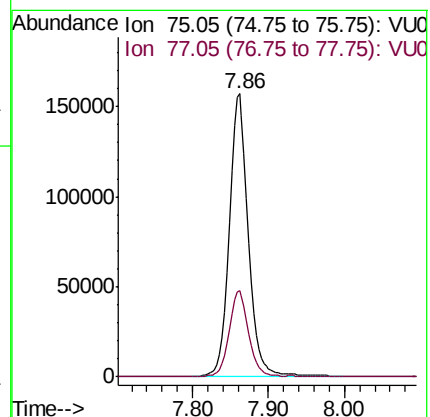
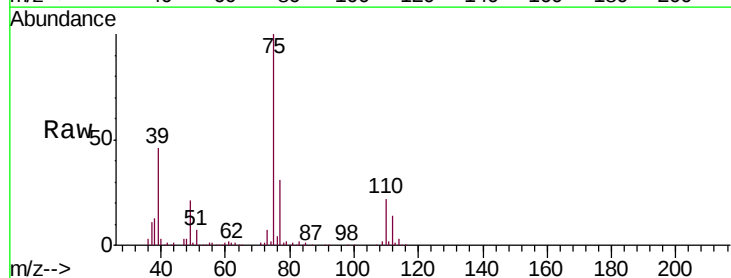
Acq: 26 Aug 2019 11:54

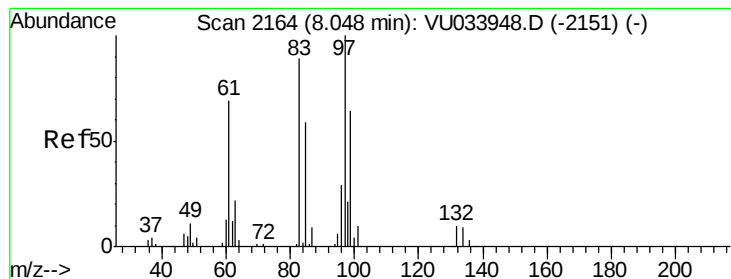
Tgt Ion: 75 Resp: 276782

Ion Ratio Lower Upper

75 100

77 30.6 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 13.022 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

Tgt Ion: 97 Resp: 162639

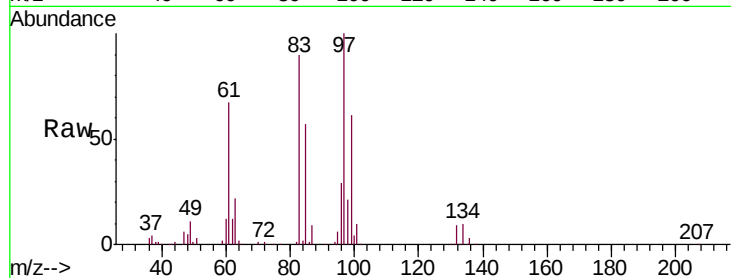
Ion Ratio Lower Upper

97 100

99 61.3 44.9 83.3

83 90.3 62.6 116.3

85 57.2 41.0 76.2

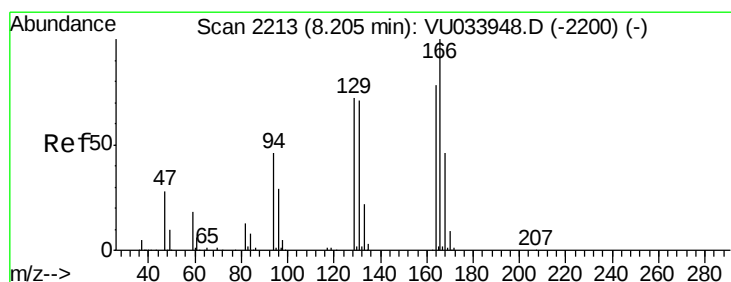
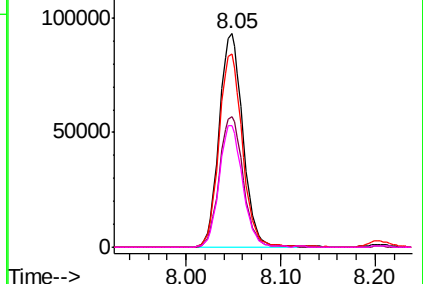
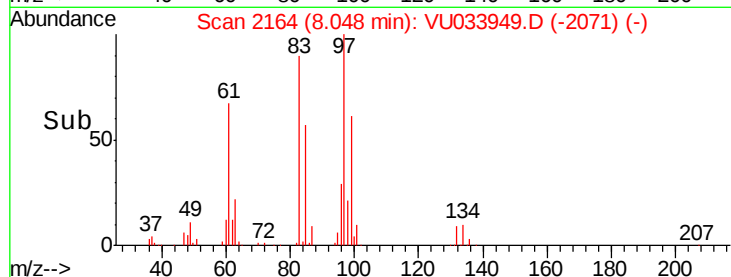


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 12.279 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

Tgt Ion: 164 Resp: 176448

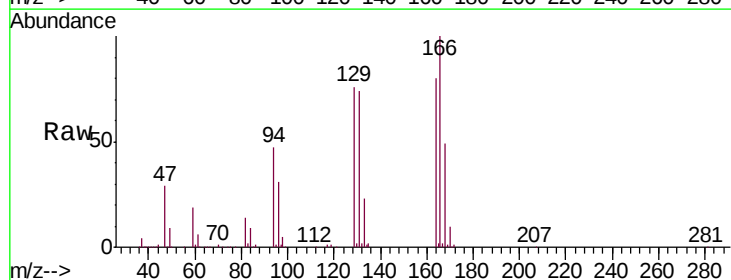
Ion Ratio Lower Upper

164 100

129 95.1 64.9 120.5

131 91.8 63.7 118.3

166 124.5 89.9 167.0

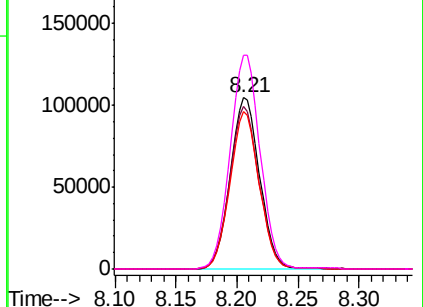
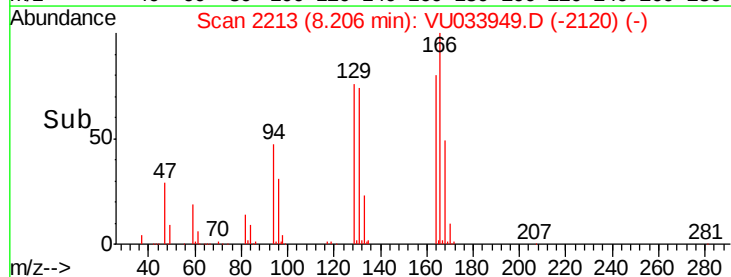


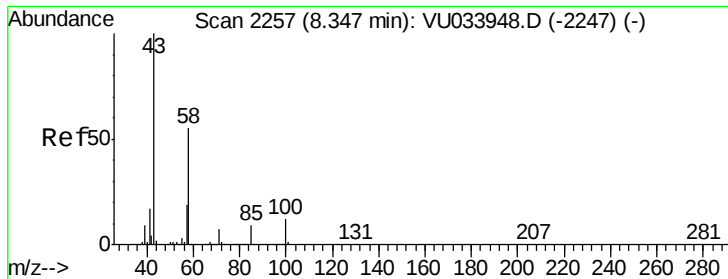
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

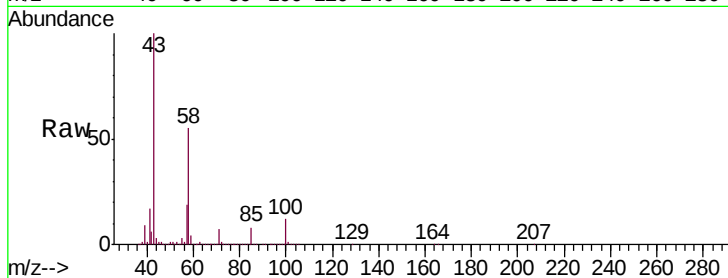




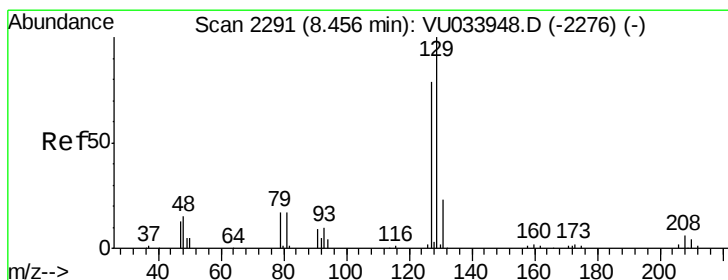
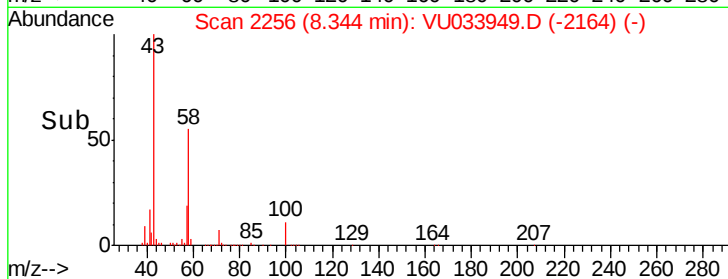
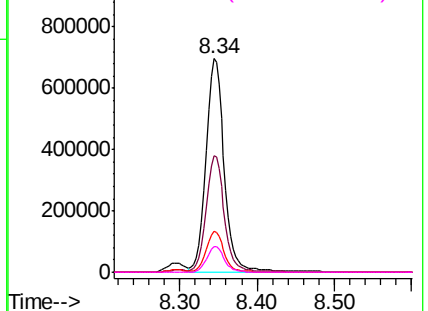
#48
2-Hexanone
Concen: 157.950 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033949.D
Acq: 26 Aug 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tgt Ion: 43 Resp: 1150259
Ion Ratio Lower Upper
43 100
58 54.0 42.9 64.3
57 18.7 14.8 22.2
100 11.7 9.0 13.6

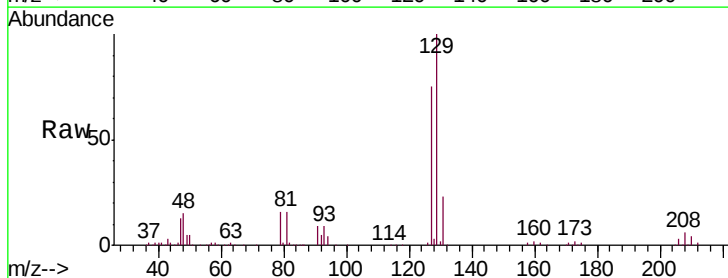


Abundance Ion 43.05 (42.75 to 43.75): VU033949.D (-2164) (-)
Ion 58.05 (57.75 to 58.75): VU033949.D (-2164) (-)
Ion 57.20 (56.90 to 57.90): VU033949.D (-2164) (-)
Ion 100.15 (99.85 to 100.85): VU033949.D (-2164) (-)

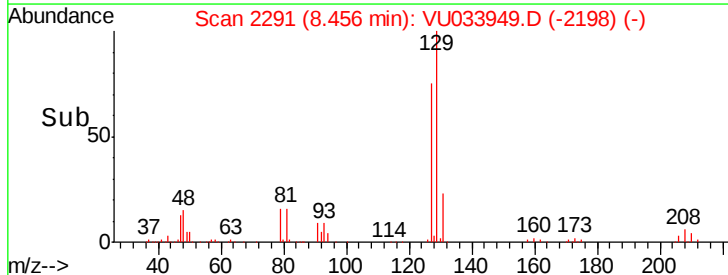
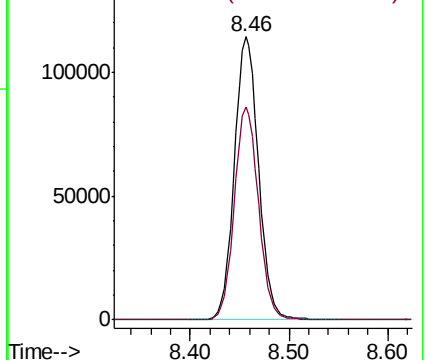


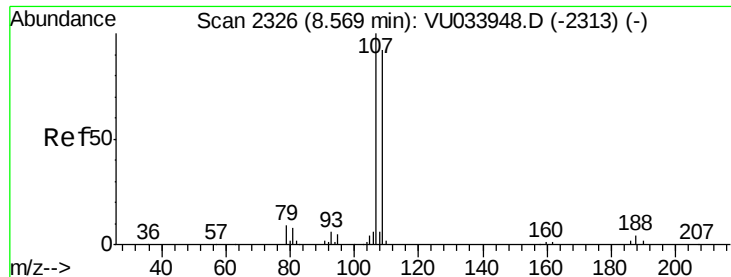
#49
Dibromochloromethane
Concen: 12.630 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033949.D
Acq: 26 Aug 2019 11:54

Tgt Ion: 129 Resp: 195002
Ion Ratio Lower Upper
129 100
127 75.2 55.6 103.2



Abundance Ion 128.95 (128.65 to 129.65): VU033949.D (-2198) (-)
Ion 126.90 (126.60 to 127.60): VU033949.D (-2198) (-)

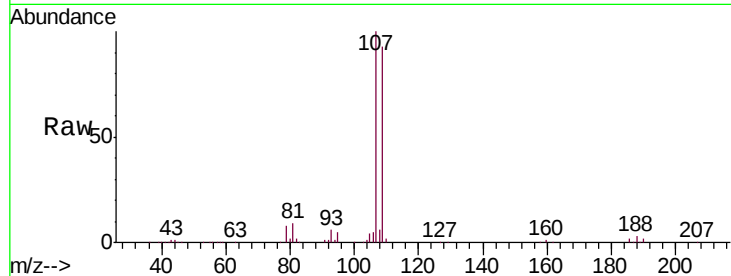




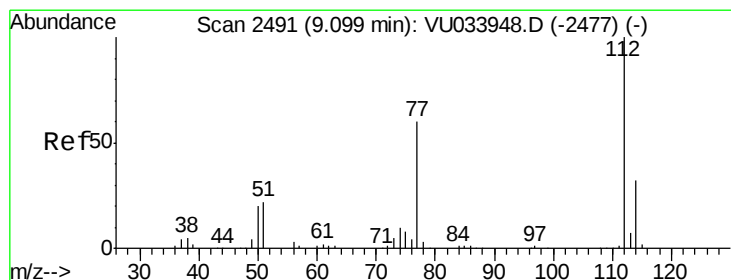
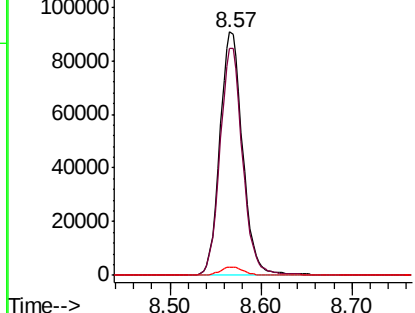
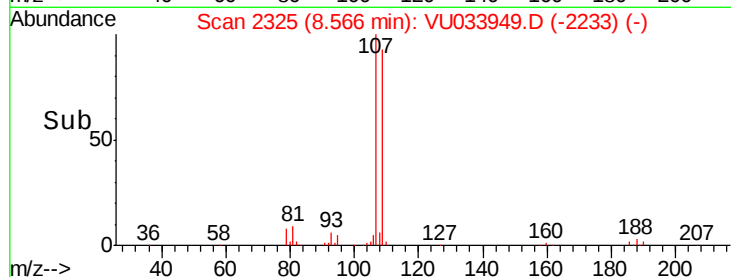
#50
1,2-Dibromoethane
Concen: 13.157 ug/L
RT: 8.57 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU033949.D
Acq: 26 Aug 2019 11:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

Tgt Ion:107 Resp: 157733
Ion Ratio Lower Upper
107 100
109 93.3 64.7 120.1
188 3.4 3.4 5.2#

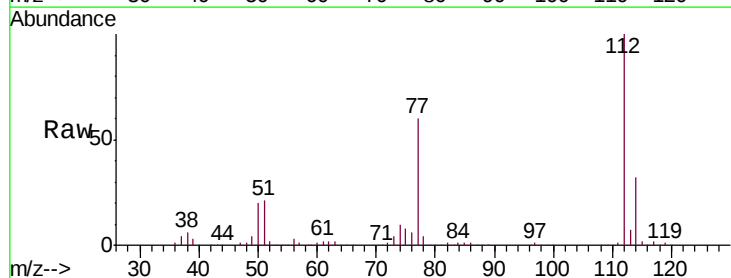


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

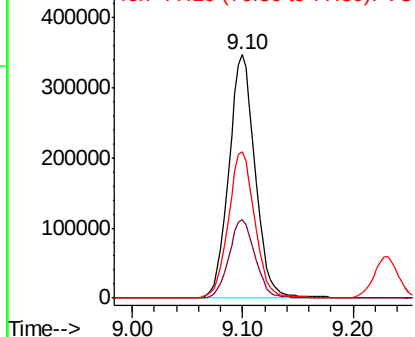
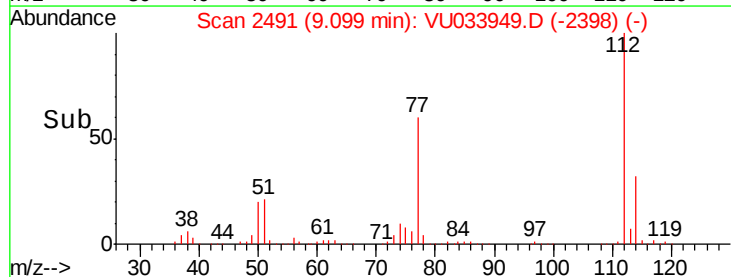


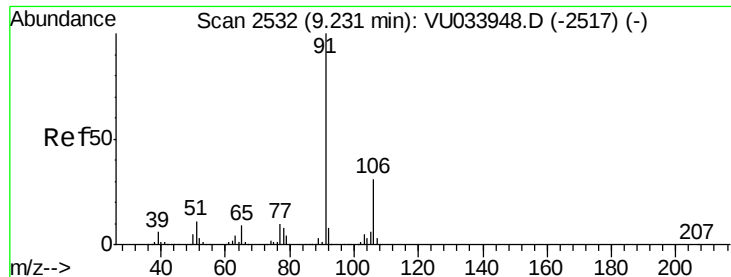
#51
Chlorobenzene
Concen: 12.800 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033949.D
Acq: 26 Aug 2019 11:54

Tgt Ion:112 Resp: 571971
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.5
77 60.0 48.0 72.0



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 14.478 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

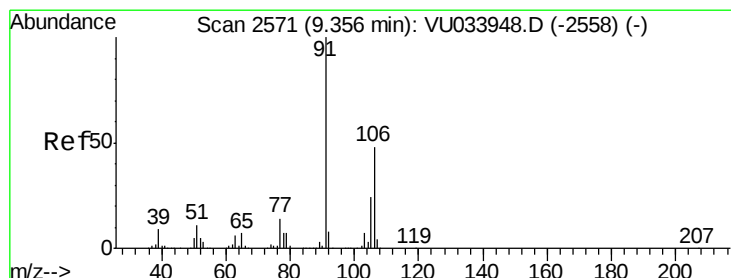
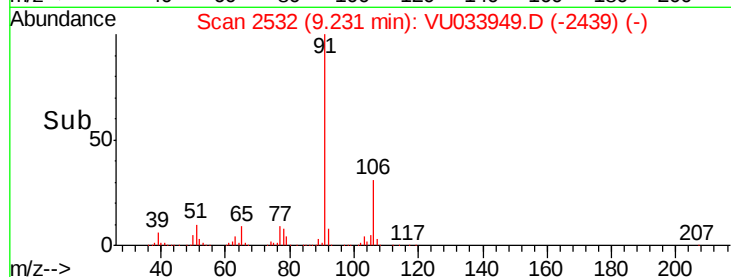
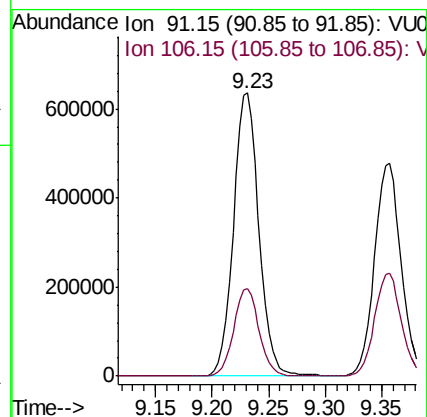
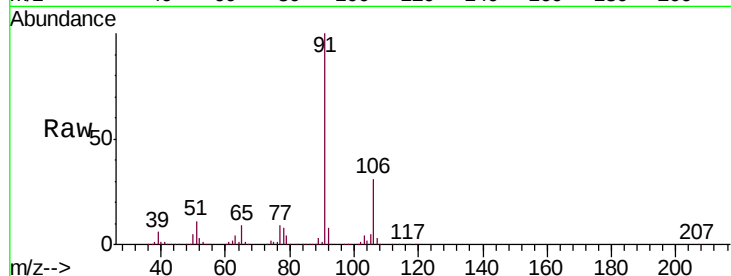
VSTD01003

Tgt Ion: 91 Resp: 994742

Ion Ratio Lower Upper

91 100

106 31.0 22.0 40.8



#53

m,p-Xylene

Concen: 14.678 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033949.D

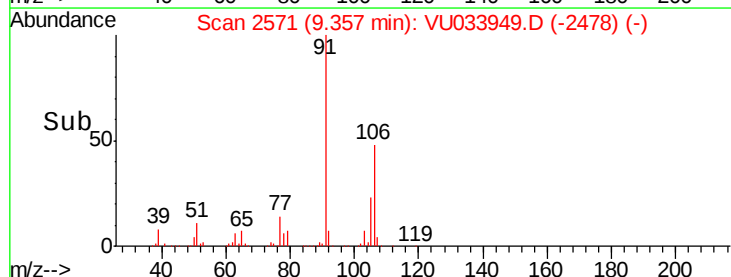
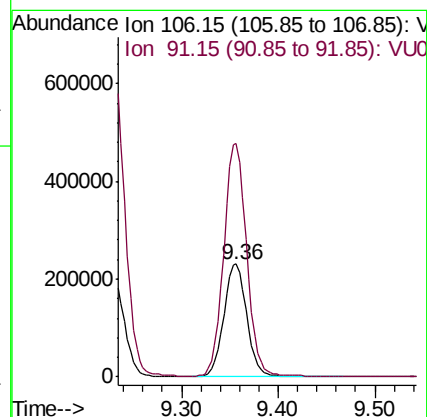
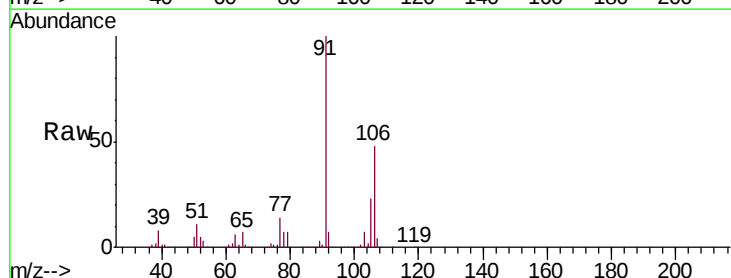
Acq: 26 Aug 2019 11:54

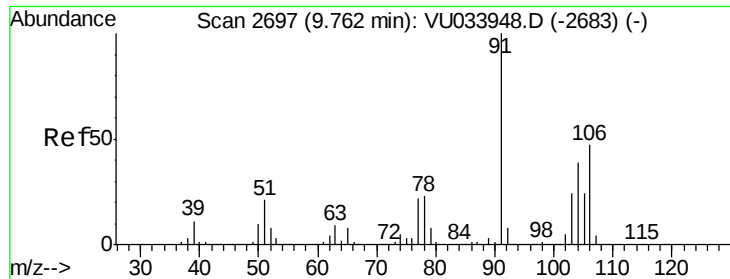
Tgt Ion: 106 Resp: 379799

Ion Ratio Lower Upper

106 100

91 207.0 145.1 269.5

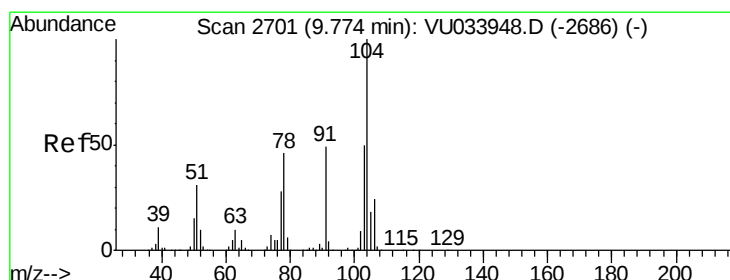
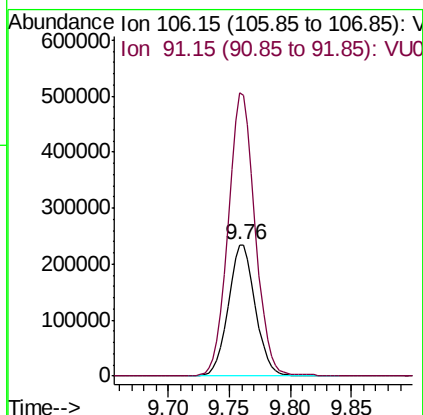
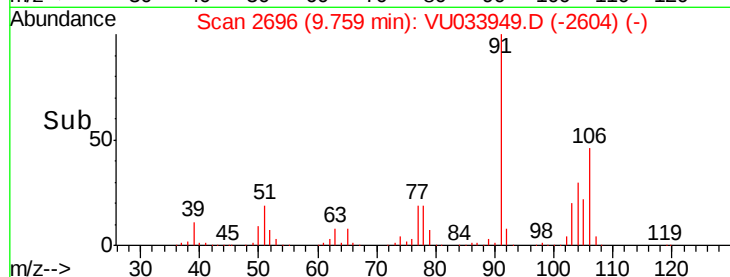
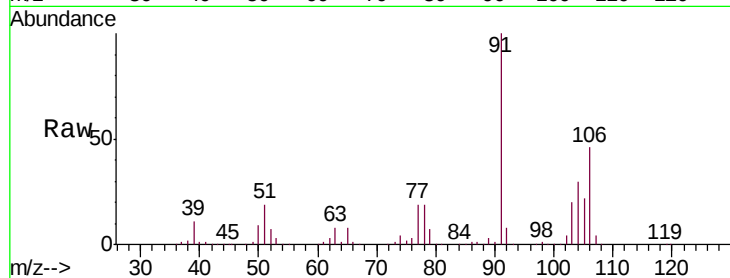




#54
o-Xylene
Concen: 14.637 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU033949.D
Acq: 26 Aug 2019 11:54

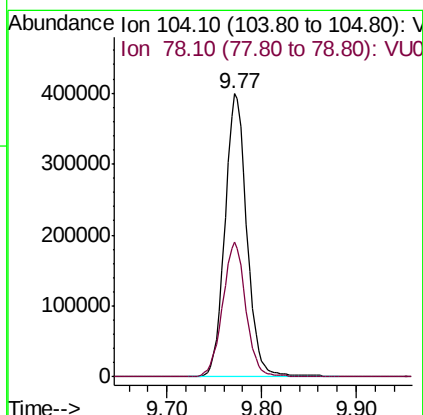
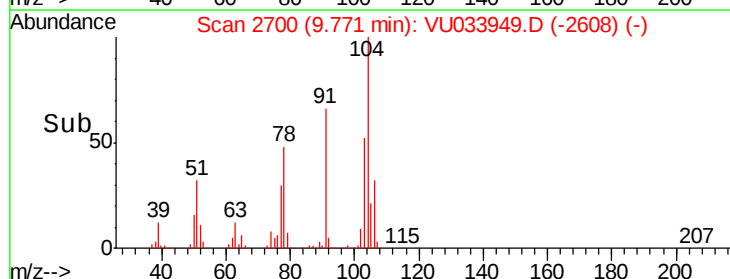
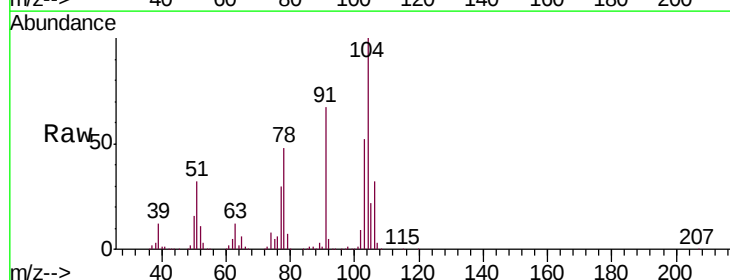
Instrument :
MSVOA_U
ClientSampleId :
VSTD01003

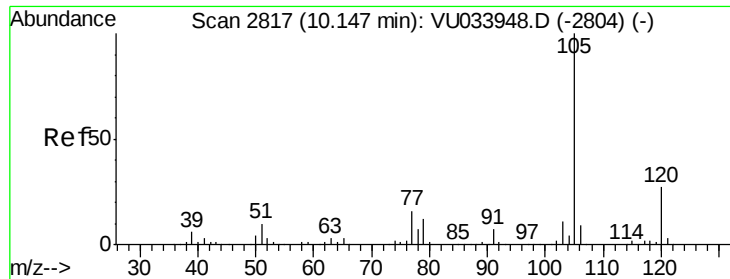
Tgt Ion:106 Resp: 363639
Ion Ratio Lower Upper
106 100
91 215.7 150.6 279.6



#55
Styrene
Concen: 14.916 ug/L
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU033949.D
Acq: 26 Aug 2019 11:54

Tgt Ion:104 Resp: 644855
Ion Ratio Lower Upper
104 100
78 47.6 31.9 59.3





#56

Isopropylbenzene

Concen: 15.012 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

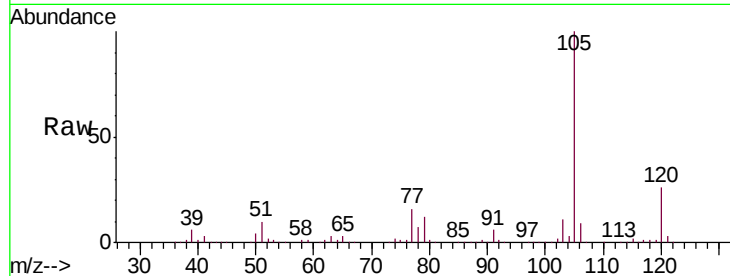
Tgt Ion: 105 Resp: 962193

Ion Ratio Lower Upper

105 100

120 26.0 21.4 32.2

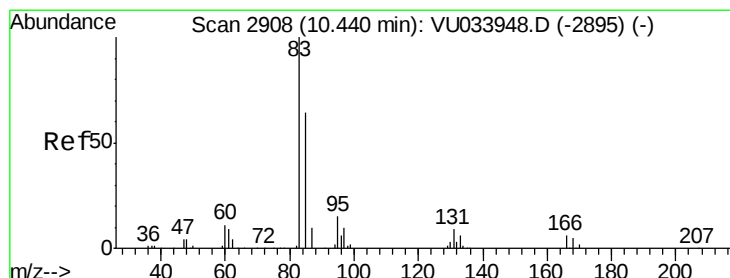
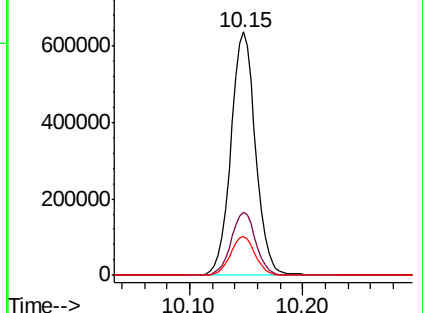
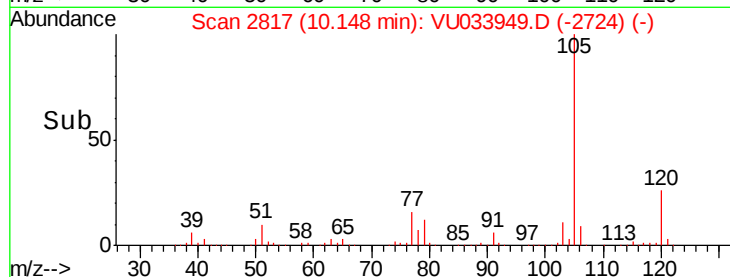
77 16.1 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 13.469 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

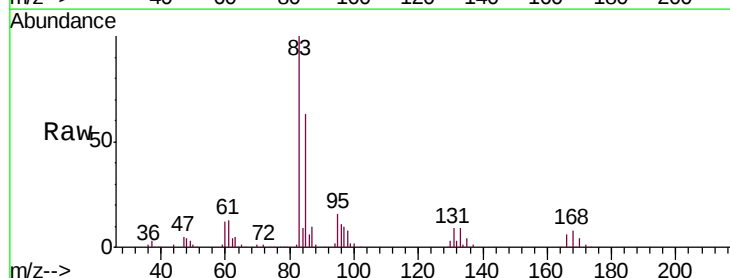
Tgt Ion: 83 Resp: 214867

Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.9

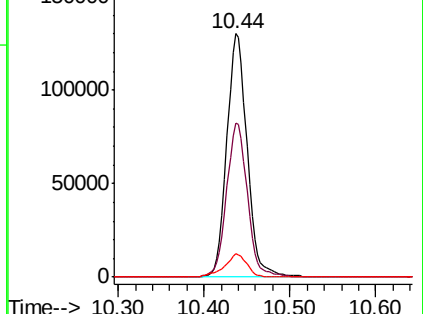
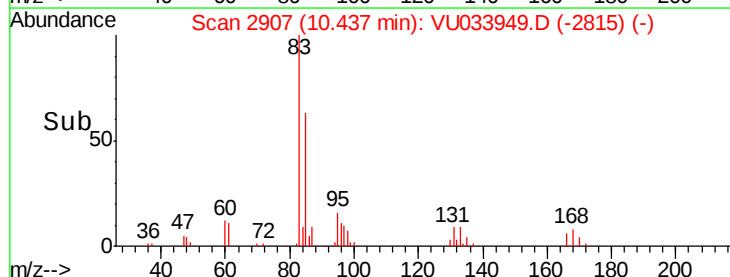
131 9.4 7.8 11.8

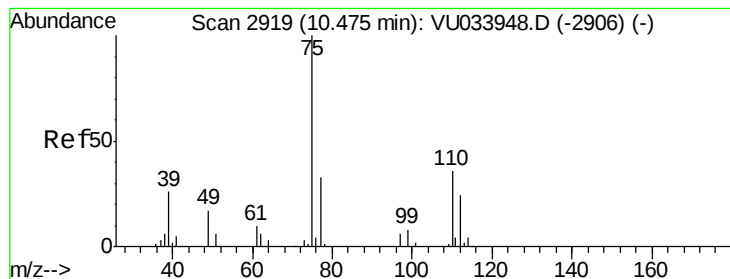


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 13.454 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

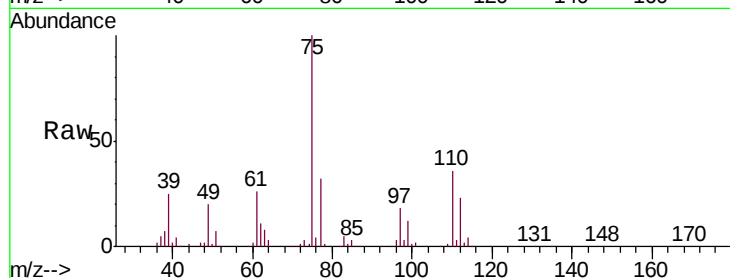
VSTD01003

Tgt Ion: 75 Resp: 156532

Ion Ratio Lower Upper

75 100

77 32.9 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU033948.D (-2906) (-)

Ion 77.00 (76.70 to 77.70): VU033948.D (-2906) (-)

10.48

80000

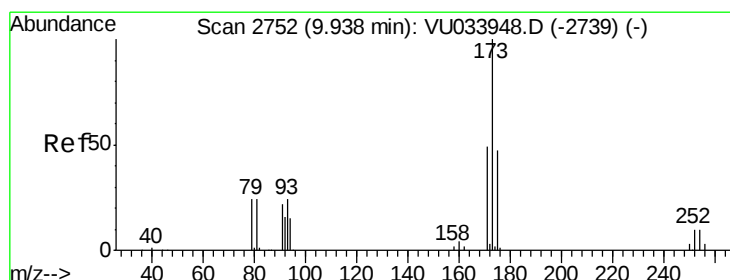
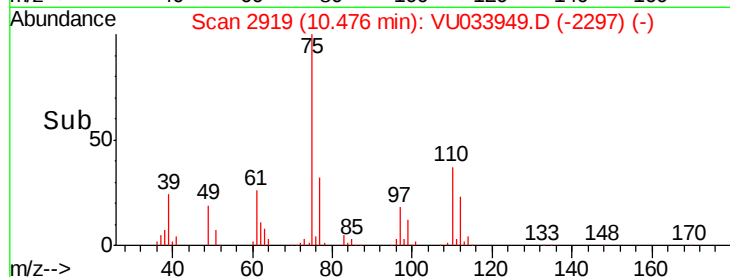
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 11.928 ug/L

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

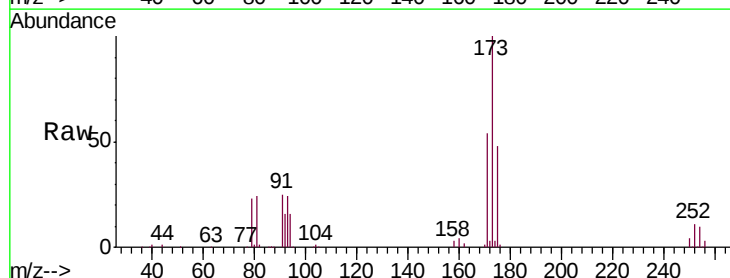
Tgt Ion: 173 Resp: 109140

Ion Ratio Lower Upper

173 100

175 48.8 38.2 57.2

254 10.4 8.4 12.6



Abundance Ion 172.90 (172.60 to 173.60): VU033948.D (-2739) (-)

Ion 174.90 (174.60 to 175.60): VU033948.D (-2739) (-)

Ion 253.75 (253.45 to 254.45): VU033948.D (-2739) (-)

9.94

80000

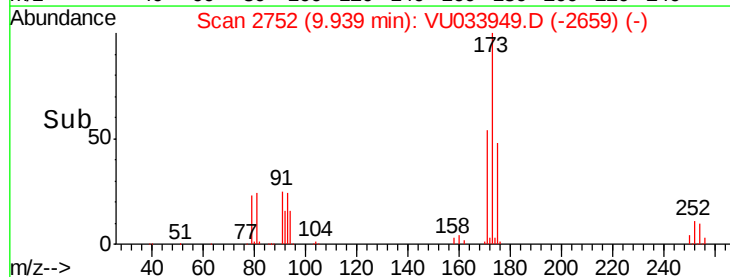
60000

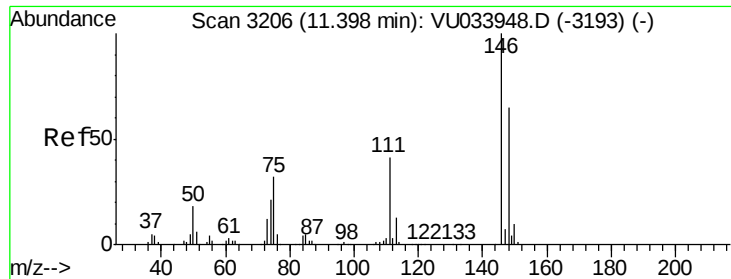
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 12.907 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

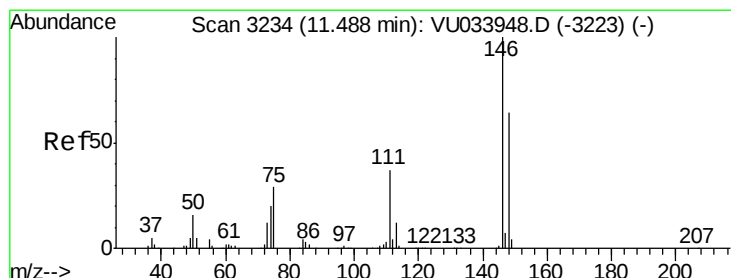
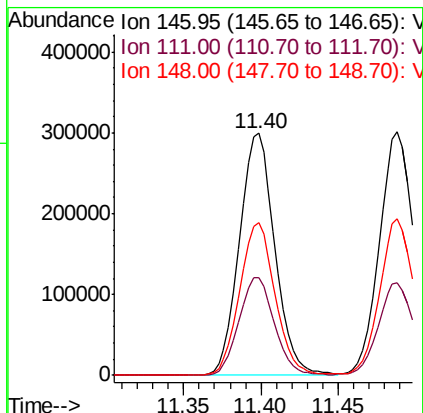
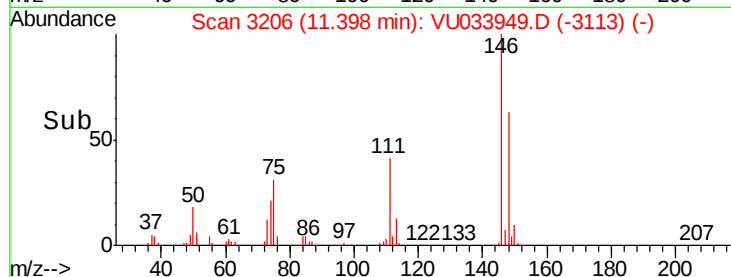
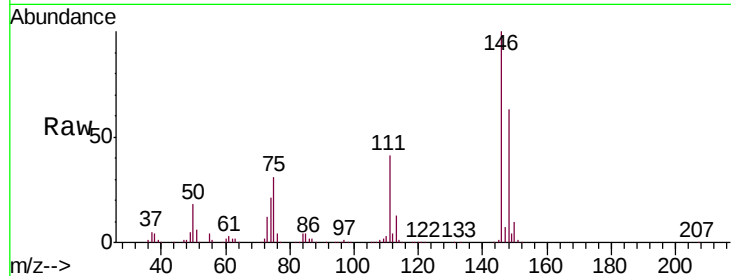
Tgt Ion:146 Resp: 476653

Ion Ratio Lower Upper

146 100

111 40.6 28.8 53.6

148 63.2 45.4 84.4



#63

1,4-Dichlorobenzene

Concen: 12.662 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

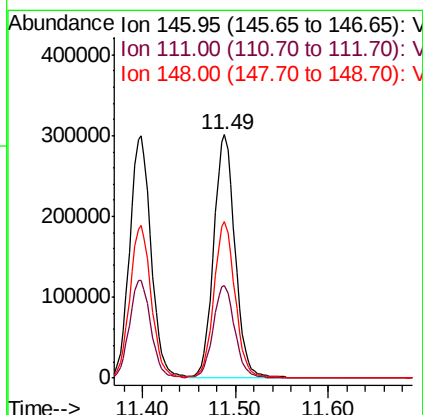
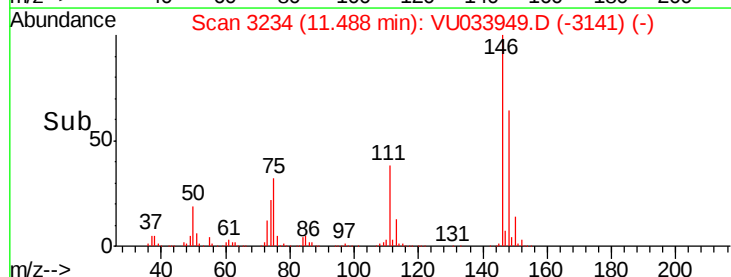
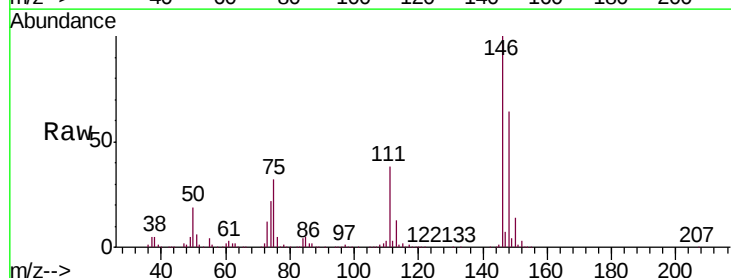
Tgt Ion:146 Resp: 481838

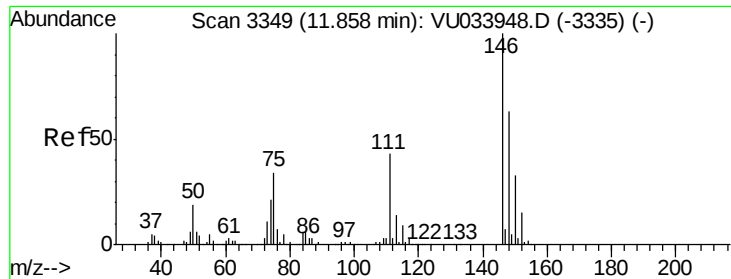
Ion Ratio Lower Upper

146 100

111 37.9 26.5 49.1

148 64.1 44.7 82.9

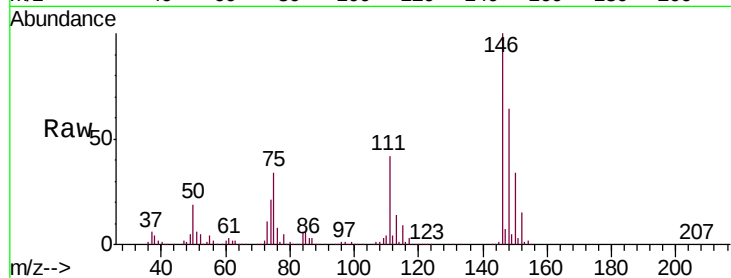




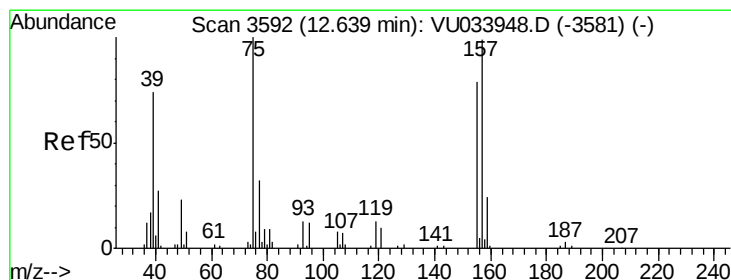
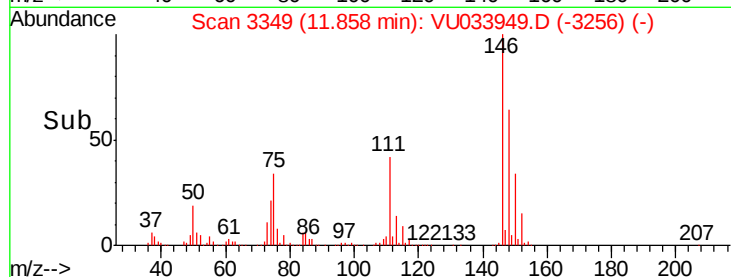
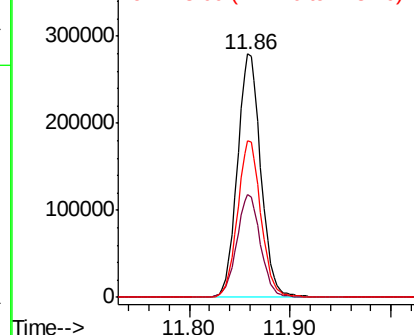
#65
 1,2-Dichlorobenzene
 Concen: 12.708 ug/L
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Tgt Ion: 146 Resp: 453000
 Ion Ratio Lower Upper
 146 100
 111 42.1 34.3 51.5
 148 64.3 50.5 75.7

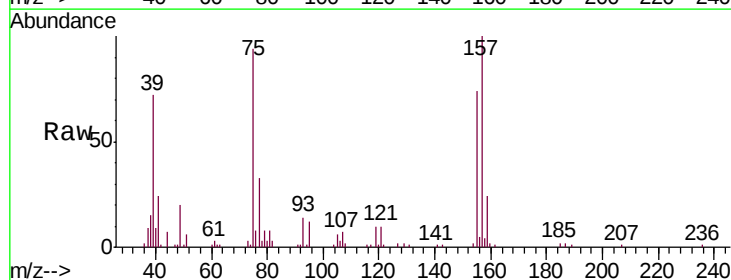


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

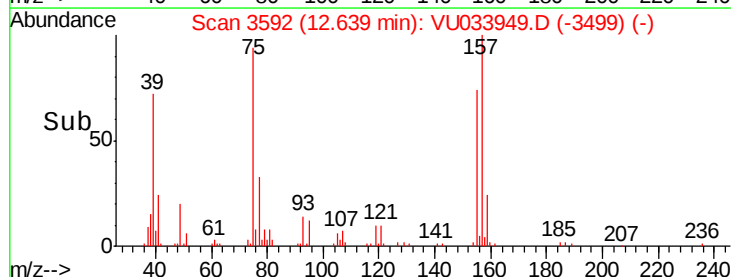
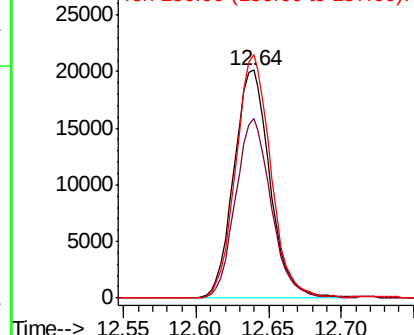


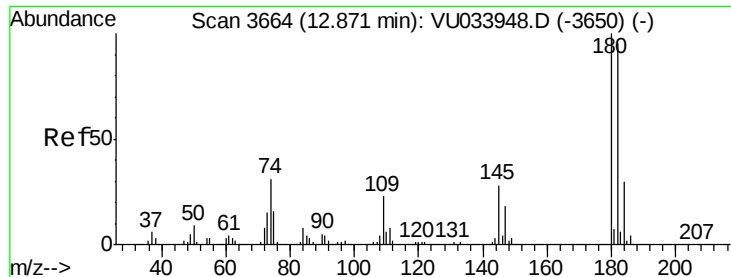
#66
 1,2-Dibromo-3-chloropropane
 Concen: 13.525 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

Tgt Ion: 75 Resp: 34699
 Ion Ratio Lower Upper
 75 100
 155 78.6 63.0 94.4
 157 106.8 79.4 119.0



Abundance Ion 75.05 (74.75 to 75.75): VU0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

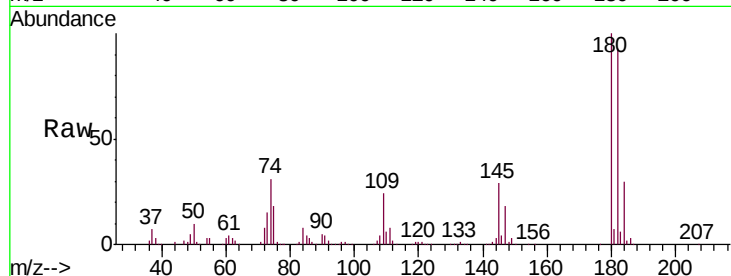




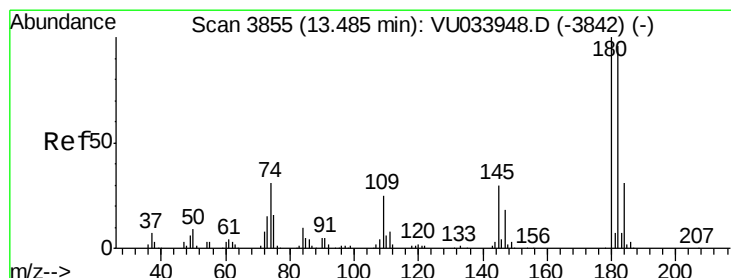
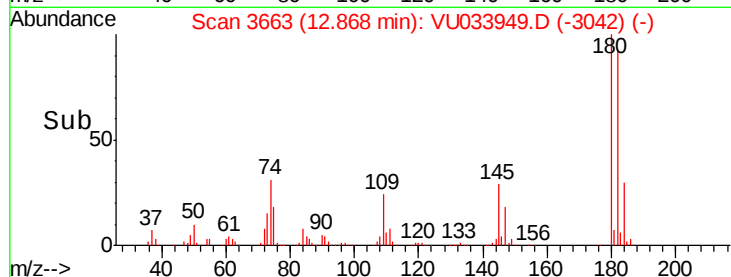
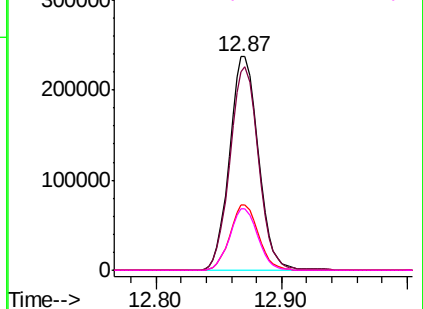
#67
 1,3,5-Trichlorobenzene
 Concen: 13.442 ug/L
 RT: 12.87 min Scan# 3663
 Delta R.T. -0.00 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01003

Tgt Ion:	180	Resp:	378296
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.9	115.3
184	30.4	24.0	36.0
145	28.3	22.6	34.0

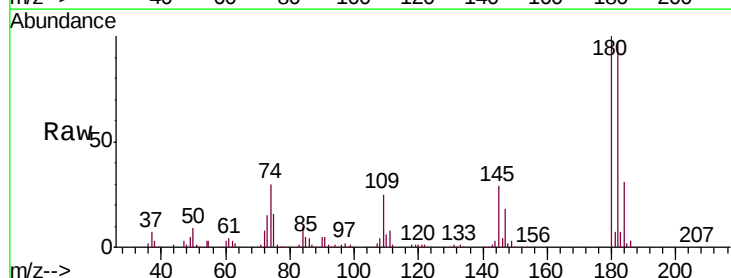


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

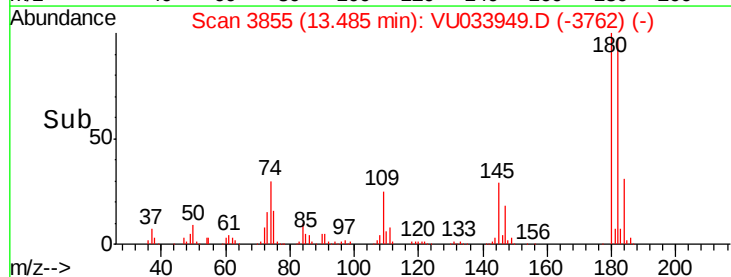
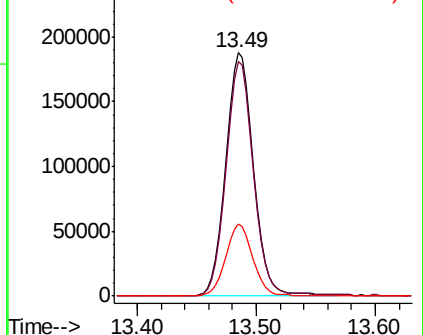


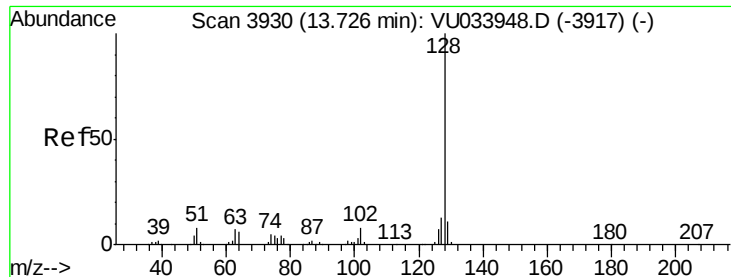
#68
 1,2,4-trichlorobenzene
 Concen: 14.683 ug/L
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU033949.D
 Acq: 26 Aug 2019 11:54

Tgt Ion:	180	Resp:	303779
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.4	114.6
145	28.8	23.4	35.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 16.543 ug/L

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD01003

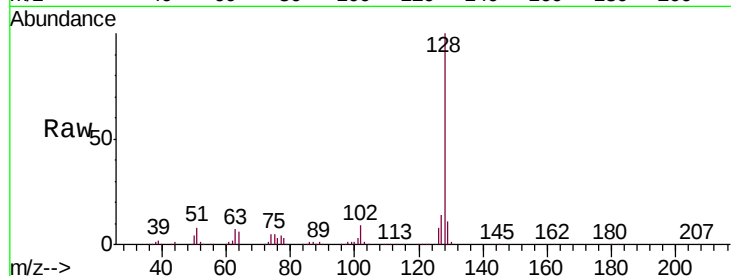
Tgt Ion:128 Resp: 508521

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

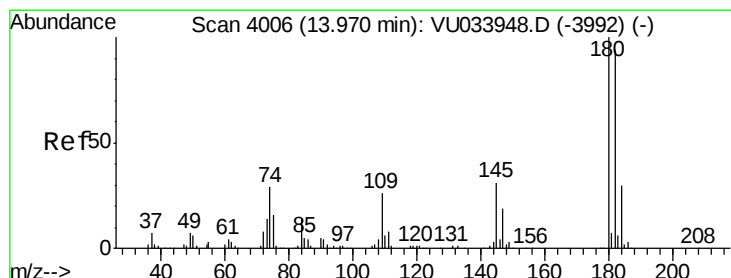
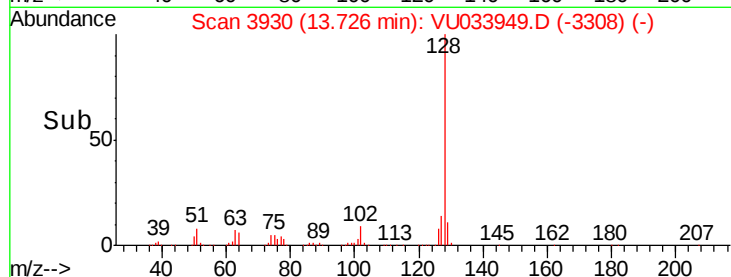
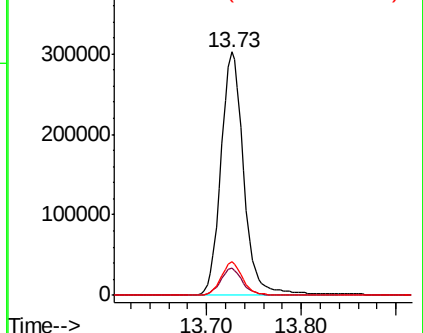
127 13.2 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 15.027 ug/L

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU033949.D

Acq: 26 Aug 2019 11:54

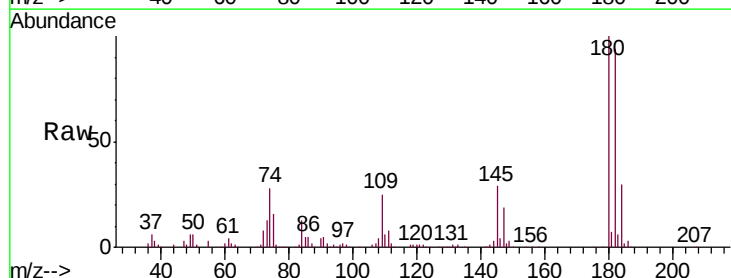
Tgt Ion:180 Resp: 296920

Ion Ratio Lower Upper

180 100

182 95.8 78.6 117.8

145 30.2 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

