

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081819\
 Data File : VU033829.D
 Acq On : 16 Aug 2019 12:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Quant Time: Aug 17 02:15:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 16 02:54:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	388111	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	390598	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	205730	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	149146	42.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.42%
7) Chloroethane-d5	1.67	69	144099	44.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.24%
11) 1,1-Dichloroethene-d2	2.26	63	259348	44.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.88%
21) 2-Butanone-d5	4.15	46	184045	100.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.50%
24) Chloroform-d	4.62	84	265527	47.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.48%
26) 1,2-Dichloroethane-d4	5.29	65	168533	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
32) Benzene-d6	5.32	84	509092	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.56%
36) 1,2-Dichloropropane-d6	6.31	67	165663	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.40%
41) Toluene-d8	7.55	98	472009	46.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.34%
43) trans-1,3-Dichloropropene-	7.83	79	78353	47.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.74%
47) 2-Hexanone-d5	8.30	63	129179	98.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.87%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	235297	47.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.98%
64) 1,2-Dichlorobenzene-d4	11.84	152	189639	46.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.50%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	201507	52.955 ug/L	99
3) Chloromethane	1.32	50	202683	51.790 ug/L	100
5) Vinyl chloride	1.39	62	225176	51.655 ug/L	99
6) Bromomethane	1.62	94	175240	53.170 ug/L	100
8) Chloroethane	1.69	64	144287	47.780 ug/L	96
9) Trichlorofluoromethane	1.87	101	298193	51.581 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	150600	54.419 ug/L	99
12) 1,1-Dichloroethene	2.27	96	136497	50.888 ug/L	92
13) Acetone	2.31	43	186280	103.505 ug/L	97
14) Carbon disulfide	2.46	76	426560	50.431 ug/L	100
15) Methyl Acetate	2.60	43	148276	49.959 ug/L	100
16) Methylene chloride	2.68	84	158631	51.035 ug/L	97
17) trans-1,2-Dichloroethene	2.96	96	142899	51.105 ug/L	99
18) Methyl tert-butyl Ether	2.98	73	424864	52.066 ug/L	99
19) 1,1-Dichloroethane	3.42	63	278626	51.782 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	156292	51.671 ug/L	98
22) 2-Butanone	4.24	43	224696	108.488 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081819\
 Data File : VU033829.D
 Acq On : 16 Aug 2019 12:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

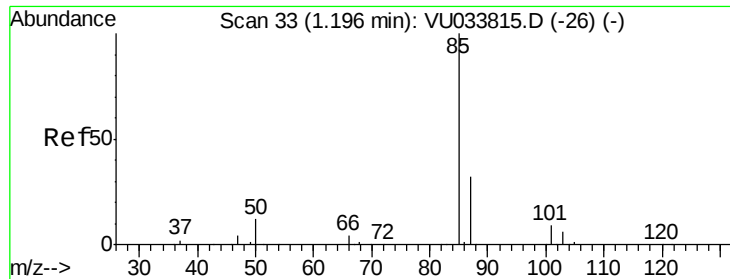
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Quant Time: Aug 17 02:15:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 16 02:54:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	83304	50.513	ug/L	96
25) Chloroform	4.65	83	287596	51.431	ug/L	98
27) 1,2-Dichloroethane	5.38	62	225275	53.137	ug/L	99
29) Cyclohexane	4.97	56	226860	54.209	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	244282	51.949	ug/L	100
31) Carbon tetrachloride	5.11	117	218253	51.005	ug/L	99
33) Benzene	5.37	78	623099	52.810	ug/L	100
34) Trichloroethene	6.16	95	163238	51.838	ug/L	96
35) Methylcyclohexane	6.40	83	250514	54.327	ug/L	99
37) 1,2-Dichloropropane	6.41	63	168499	52.151	ug/L	99
38) Bromodichloromethane	6.74	83	211917	50.658	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	250045	53.099	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	403160	106.295	ug/L	99
42) Toluene	7.62	91	675354	54.144	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	229353	52.997	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	157130	51.813	ug/L	99
46) Tetrachloroethene	8.21	164	132343	52.422	ug/L	99
48) 2-Hexanone	8.34	43	318652	107.144	ug/L	98
49) Dibromochloromethane	8.46	129	174330	50.909	ug/L	97
50) 1,2-Dibromoethane	8.57	107	166274	51.494	ug/L	99
51) Chlorobenzene	9.10	112	421997	51.222	ug/L	99
52) Ethylbenzene	9.23	91	710323	53.749	ug/L	100
53) m,p-Xylene	9.36	106	274461	55.482	ug/L	99
54) o-xylene	9.76	106	262860	54.839	ug/L	98
55) Styrene	9.77	104	466772	56.833	ug/L	99
56) Isopropylbenzene	10.15	105	686681	54.790	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	250358	51.006	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	202166	51.657	ug/L	99
61) Bromoform	9.94	173	130600	50.971	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	340637	52.764	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	342718	51.280	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	338164	52.254	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	54287	50.452	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	257075	51.623	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	210540	51.633	ug/L	99
69) Naphthalene	13.73	128	617321	54.852	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	227767	53.819	ug/L	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU081819\
Data File : VU033829.D
Acq On : 16 Aug 2019 12:26
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1



#2

Dichlorodifluoromethane

Concen: 52.955 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

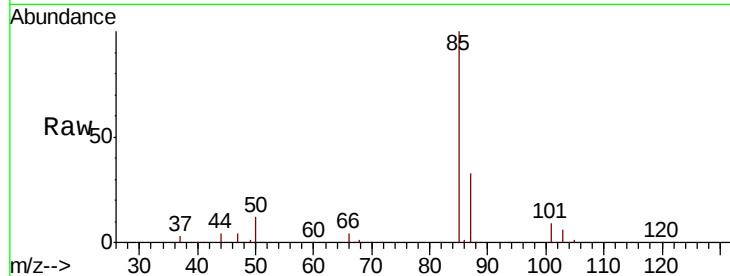
VSTD05045

Tgt Ion: 85 Resp: 201507

Ion Ratio Lower Upper

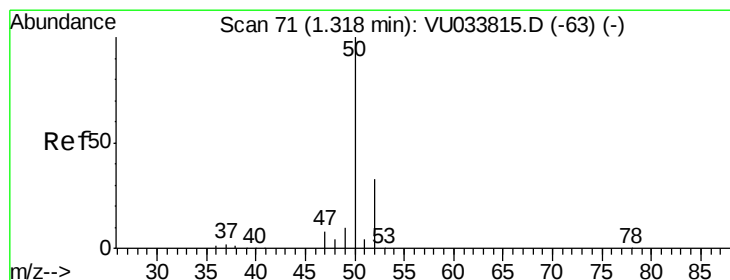
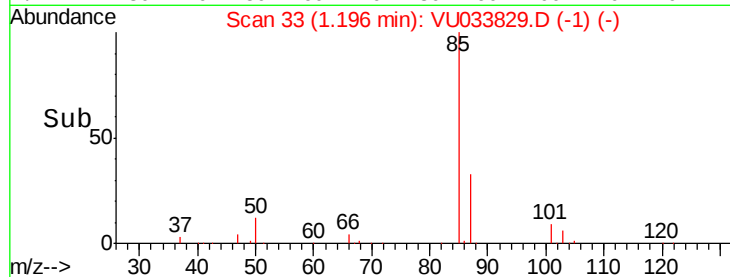
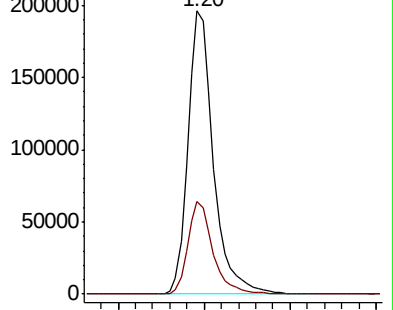
85 100

87 32.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU033829.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033829.D (-1) (-)



#3

Chloromethane

Concen: 51.790 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033829.D

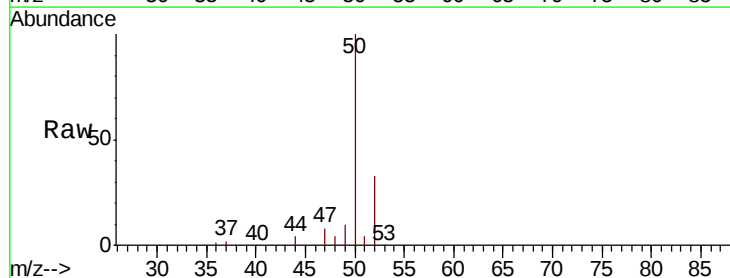
Acq: 16 Aug 2019 12:26

Tgt Ion: 50 Resp: 202683

Ion Ratio Lower Upper

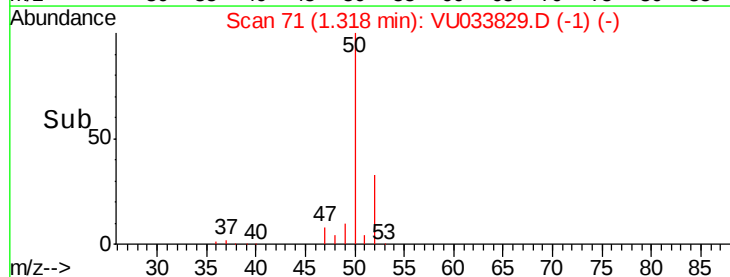
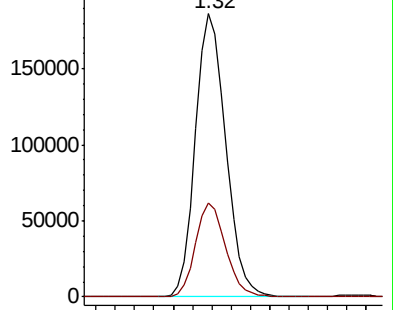
50 100

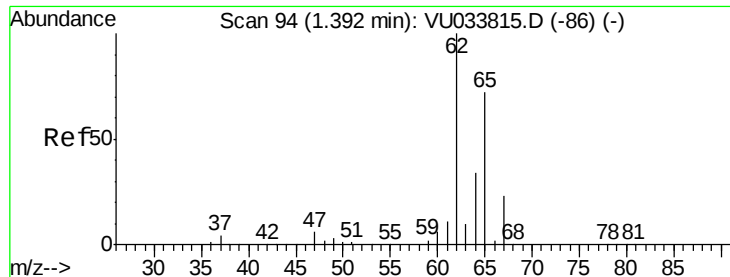
52 33.2 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VU033829.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU033829.D (-1) (-)





#5

Vinyl chloride

Concen: 51.655 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

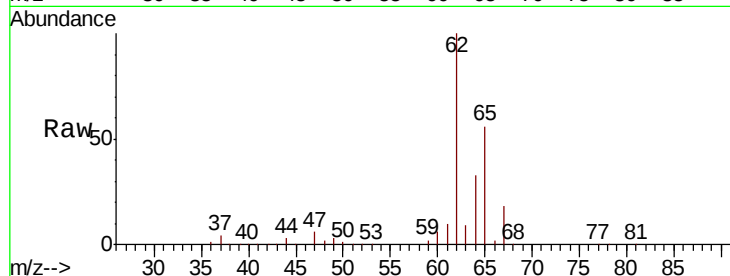
VSTD05045

Tgt Ion: 62 Resp: 225176

Ion Ratio Lower Upper

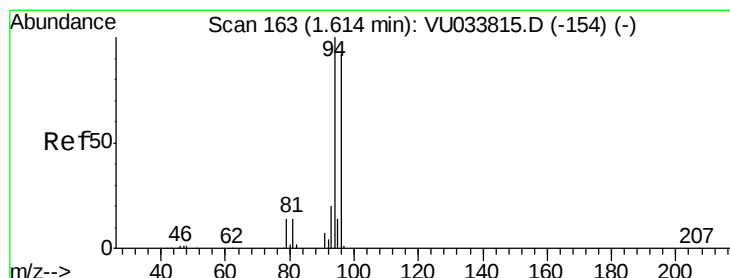
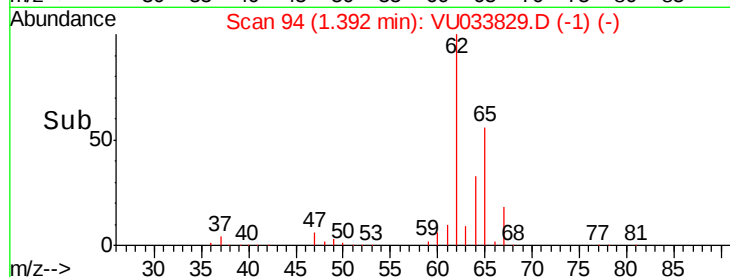
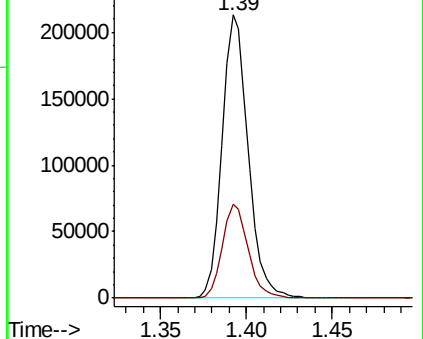
62 100

64 33.0 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VU033829.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU033829.D (-1) (-)



#6

Bromomethane

Concen: 53.170 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU033829.D

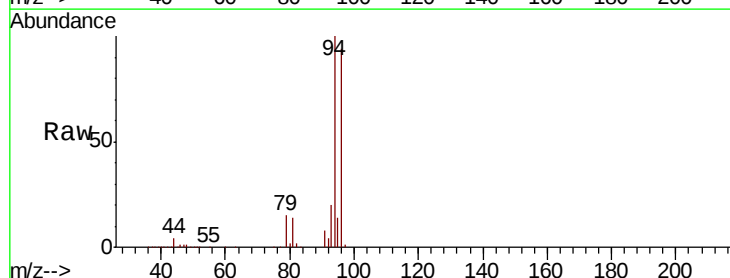
Acq: 16 Aug 2019 12:26

Tgt Ion: 94 Resp: 175240

Ion Ratio Lower Upper

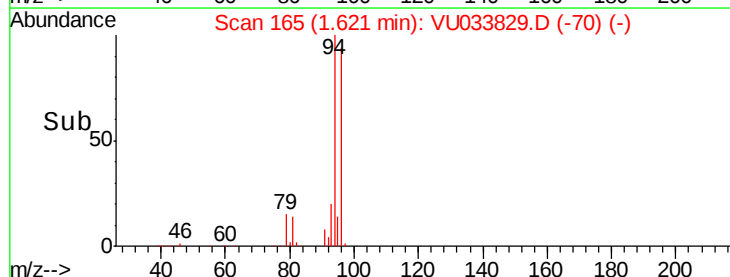
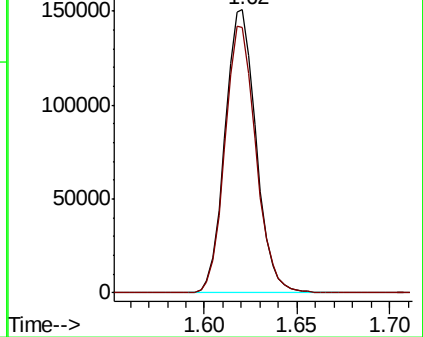
94 100

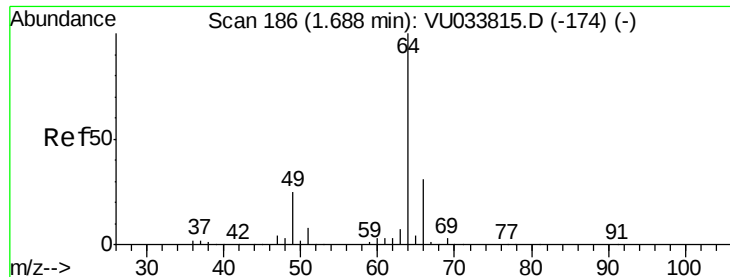
96 94.0 65.9 122.3



Abundance Ion 94.00 (93.70 to 94.70): VU033829.D (-70) (-)

Ion 96.00 (95.70 to 96.70): VU033829.D (-70) (-)





#8

Chloroethane

Concen: 47.780 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

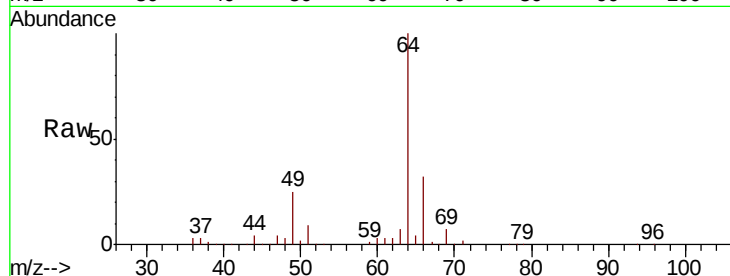
VSTD05045

Tgt Ion: 64 Resp: 144287

Ion Ratio Lower Upper

64 100

66 32.1 23.9 44.3



Abundance Ion 64.00 (63.70 to 64.70): VU033829.D (-120) (-)

Ion 66.00 (65.70 to 66.70): VU033829.D (-120) (-)

1.69

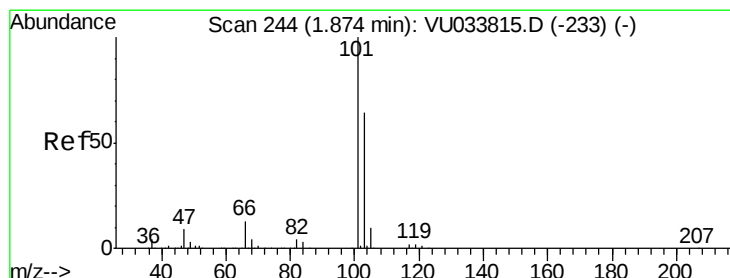
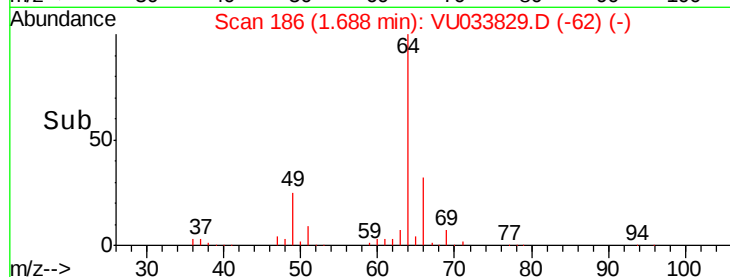
100000

50000

0

1.65 1.70 1.75

Time-->



#9

Trichlorofluoromethane

Concen: 51.581 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033829.D

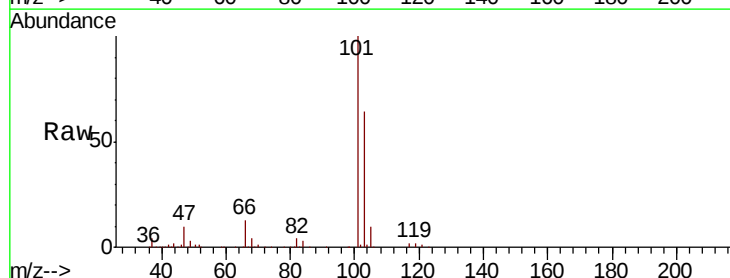
Acq: 16 Aug 2019 12:26

Tgt Ion: 101 Resp: 298193

Ion Ratio Lower Upper

101 100

103 64.3 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VU033829.D (-120) (-)

Ion 103.00 (102.70 to 103.70): VU033829.D (-120) (-)

1.87

250000

200000

150000

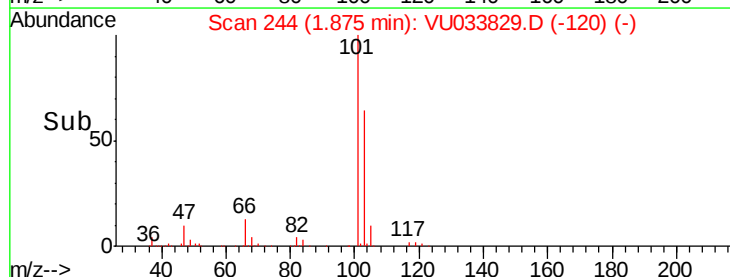
100000

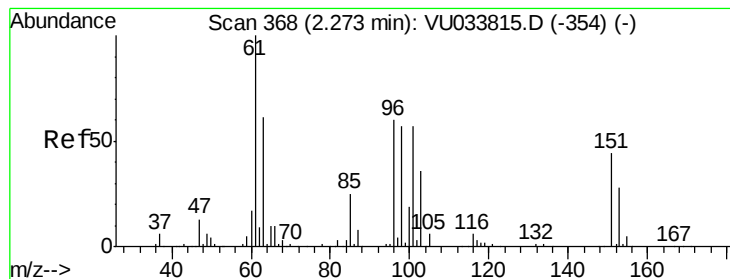
50000

0

1.80 1.85 1.90 1.95

Time-->





#10

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

Concen: 54.419 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

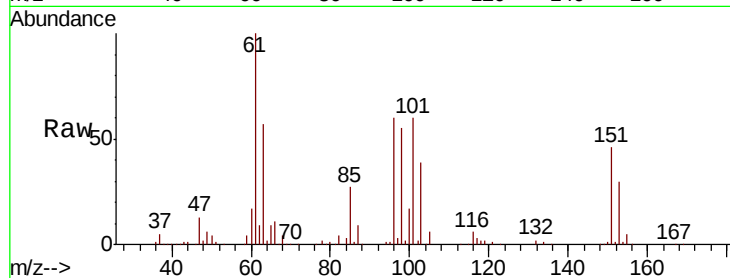
Tgt Ion: 101 Resp: 150600

Ion Ratio Lower Upper

101 100

85 44.5 35.2 52.8

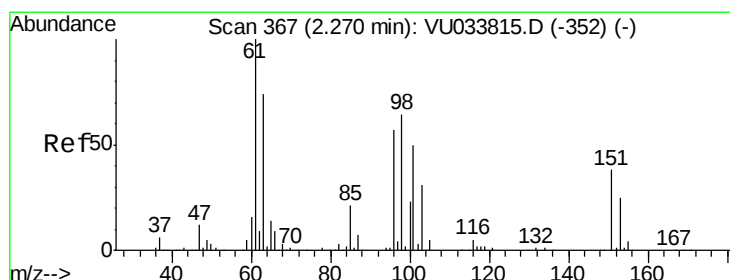
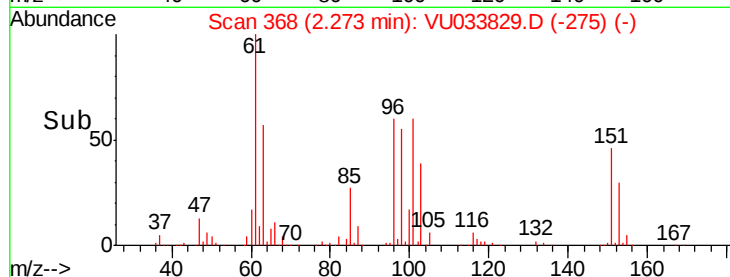
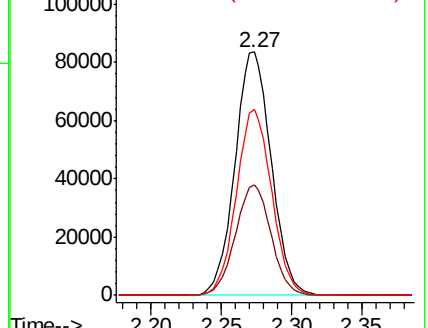
151 74.3 60.4 90.6



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: 50.888 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

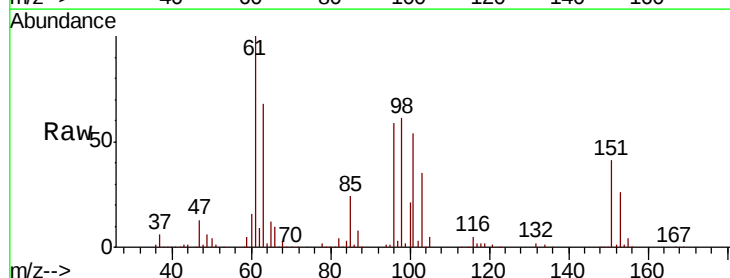
Tgt Ion: 96 Resp: 136497

Ion Ratio Lower Upper

96 100

61 169.9 123.7 229.7

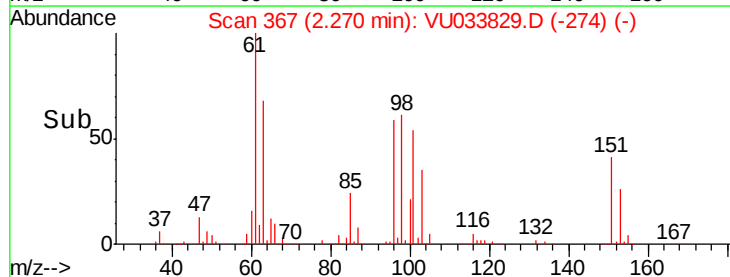
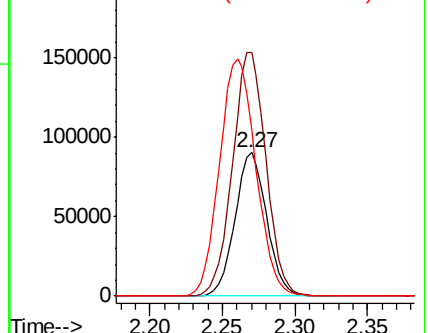
63 115.4 91.2 169.4

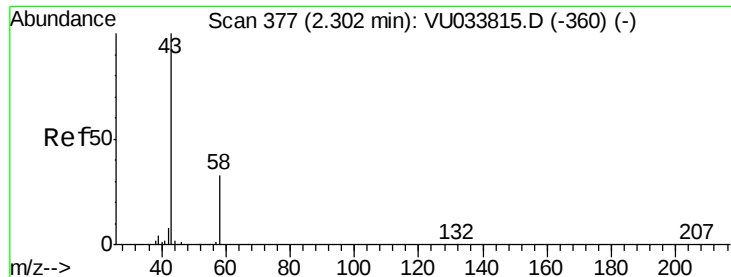


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 103.505 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampled :

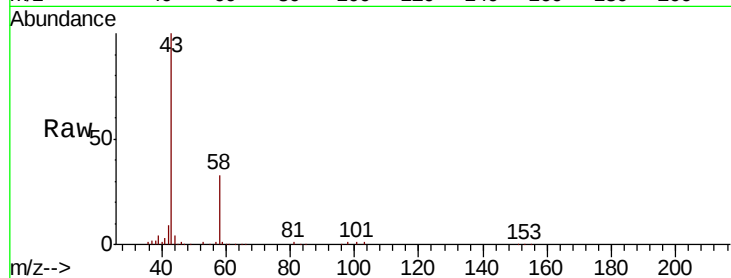
VSTD05045

Tgt Ion: 43 Resp: 186280

Ion Ratio Lower Upper

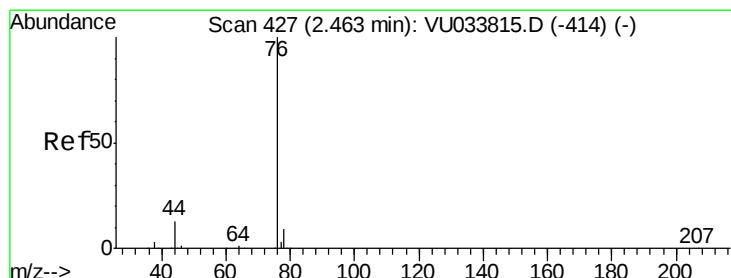
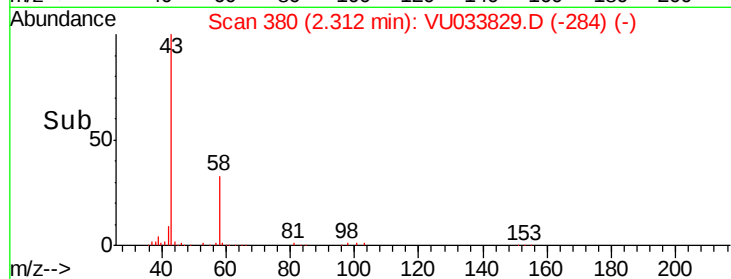
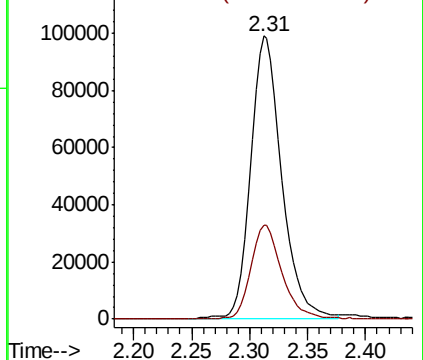
43 100

58 32.6 0.0 69.0



Abundance Ion 43.00 (42.70 to 43.70): VU033829.D (-380) (-)

Ion 58.00 (57.70 to 58.70): VU033829.D (-380) (-)



#14

Carbon disulfide

Concen: 50.431 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033829.D

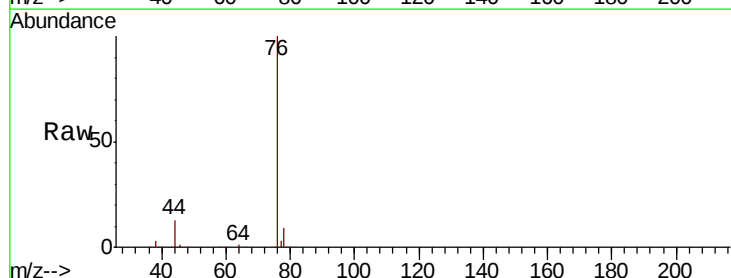
Acq: 16 Aug 2019 12:26

Tgt Ion: 76 Resp: 426560

Ion Ratio Lower Upper

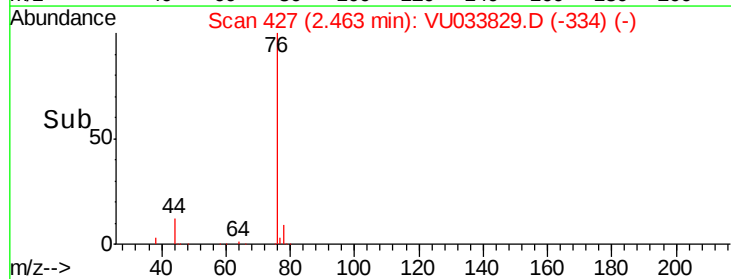
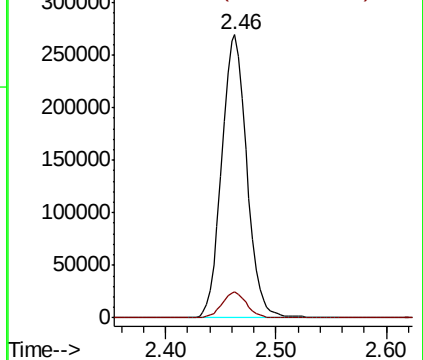
76 100

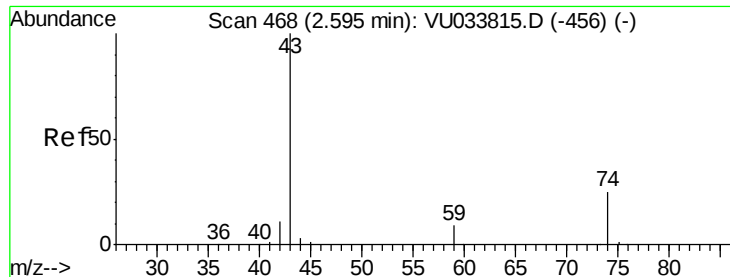
78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU033829.D (-427) (-)

Ion 78.00 (77.70 to 78.70): VU033829.D (-427) (-)

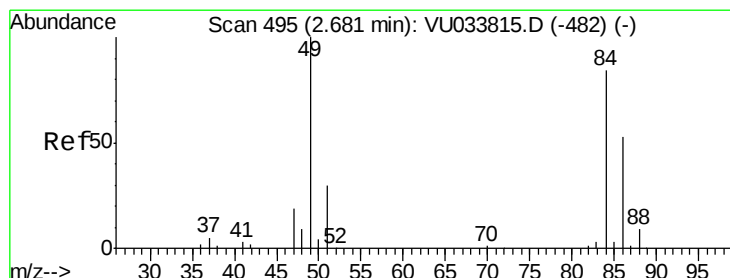
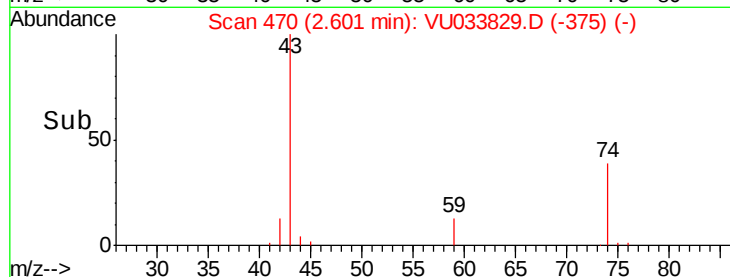
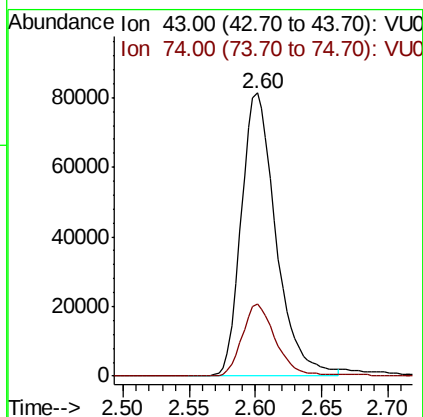
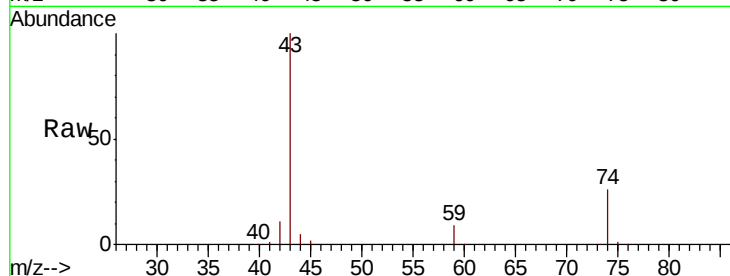




#15
Methyl Acetate
Concen: 49.959 ug/L
RT: 2.60 min Scan# 470
Delta R.T. 0.01 min
Lab File: VU033829.D
Acq: 16 Aug 2019 12:26

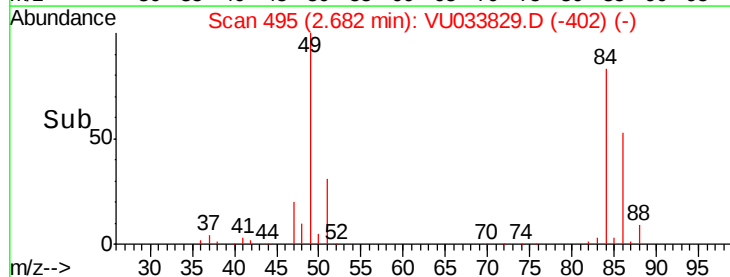
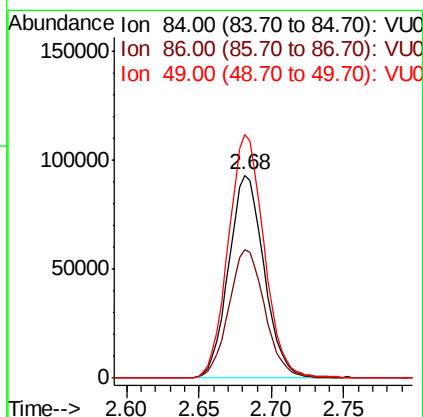
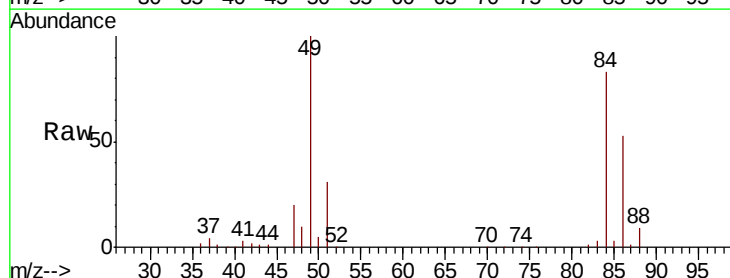
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

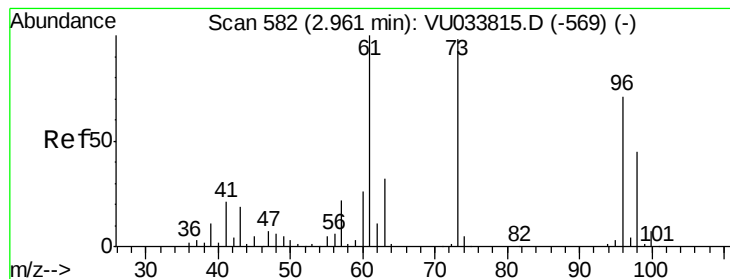
Tgt Ion: 43 Resp: 148276
Ion Ratio Lower Upper
43 100
74 24.7 19.7 29.5



#16
Methylene chloride
Concen: 51.035 ug/L
RT: 2.68 min Scan# 495
Delta R.T. 0.00 min
Lab File: VU033829.D
Acq: 16 Aug 2019 12:26

Tgt Ion: 84 Resp: 158631
Ion Ratio Lower Upper
84 100
86 63.0 46.1 85.5
49 119.9 85.6 159.0





#17

trans-1,2-Dichloroethene

Concen: 51.105 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

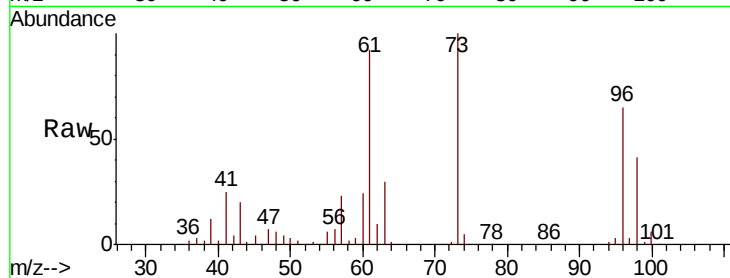
Tgt Ion: 96 Resp: 142899

Ion Ratio Lower Upper

96 100

61 142.3 98.6 183.2

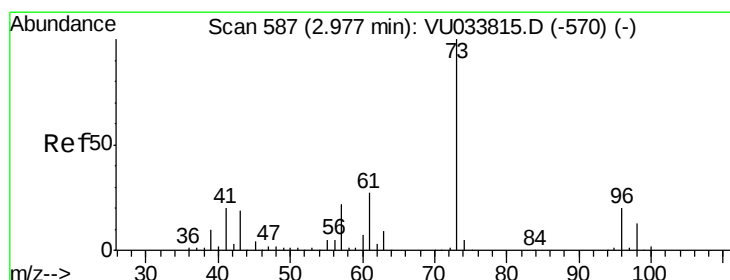
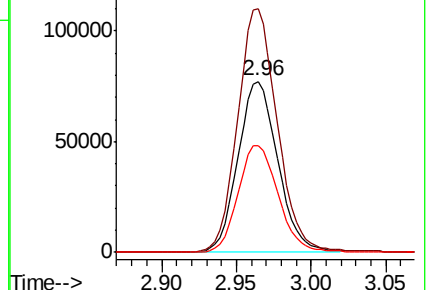
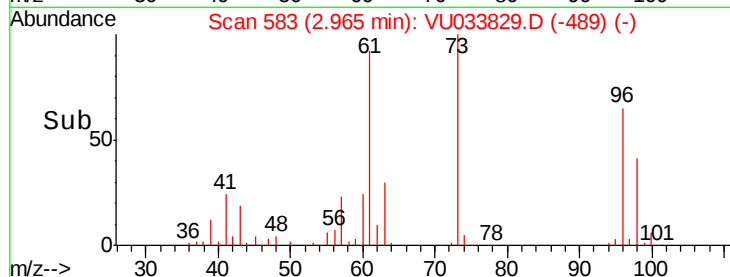
98 62.5 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU033829.D (-489) (-)

Ion 61.00 (60.70 to 61.70): VU033829.D (-489) (-)

Ion 98.00 (97.70 to 98.70): VU033829.D (-489) (-)



#18

Methyl tert-butyl Ether

Concen: 52.066 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

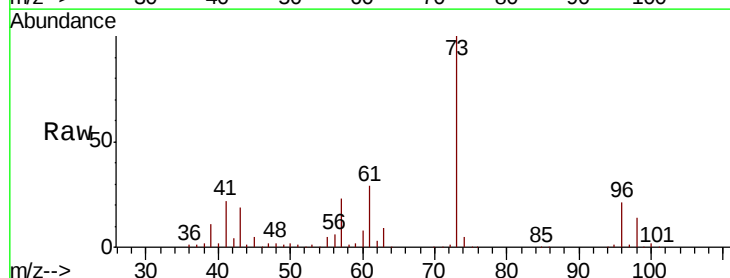
Tgt Ion: 73 Resp: 424864

Ion Ratio Lower Upper

73 100

43 19.4 15.2 22.8

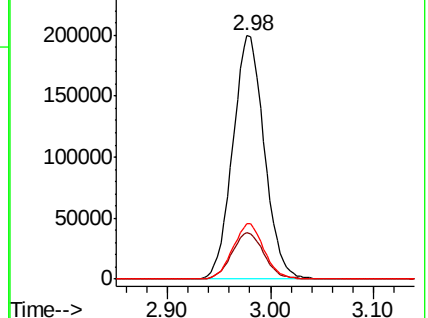
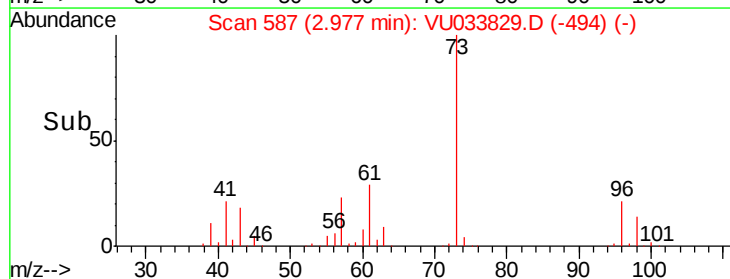
57 22.4 17.8 26.8

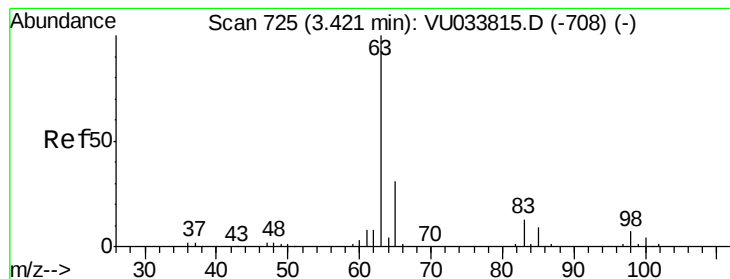


Abundance Ion 73.00 (72.70 to 73.70): VU033829.D (-494) (-)

Ion 43.00 (42.70 to 43.70): VU033829.D (-494) (-)

Ion 57.00 (56.70 to 57.70): VU033829.D (-494) (-)





#19

1,1-Dichloroethane

Concen: 51.782 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

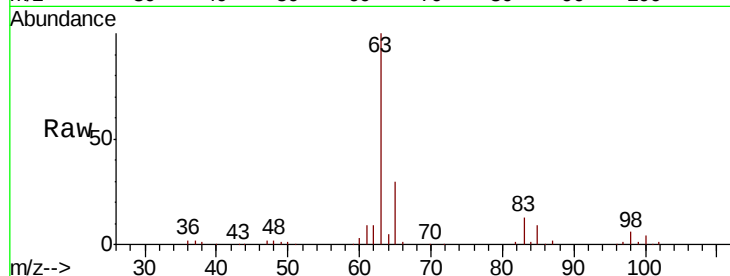
Tgt Ion: 63 Resp: 278626

Ion Ratio Lower Upper

63 100

65 29.8 21.8 40.6

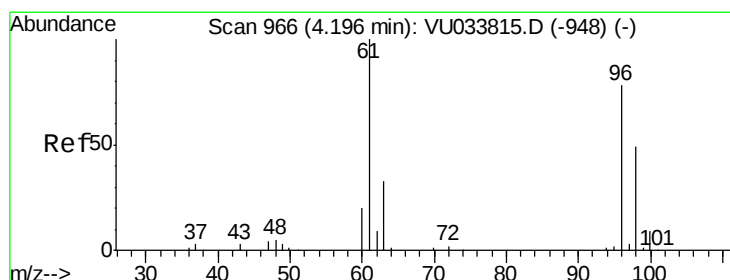
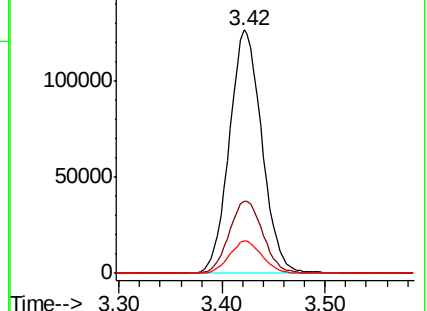
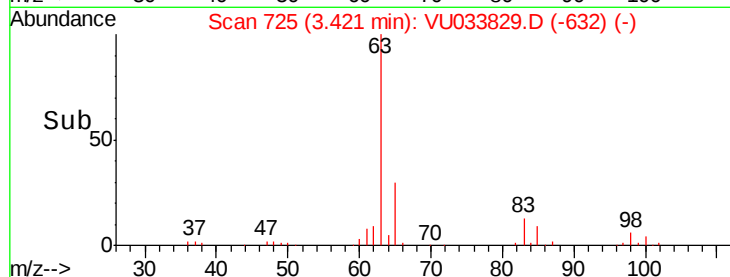
83 13.3 9.9 18.3



Abundance Ion 63.00 (62.70 to 63.70): VU033829.D (-632) (-)

Ion 65.00 (64.70 to 65.70): VU033829.D (-632) (-)

Ion 83.00 (82.70 to 83.70): VU033829.D (-632) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.671 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

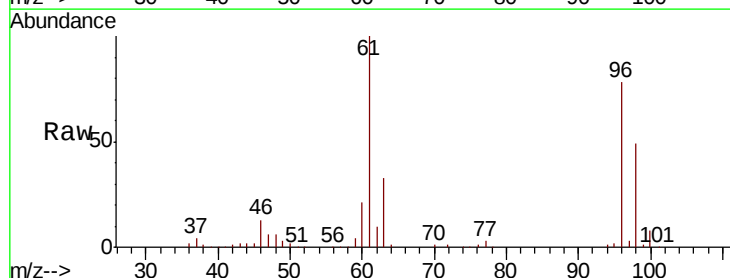
Tgt Ion: 96 Resp: 156292

Ion Ratio Lower Upper

96 100

61 128.0 88.2 163.8

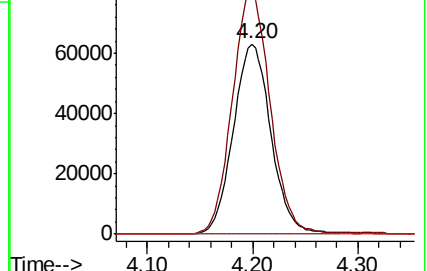
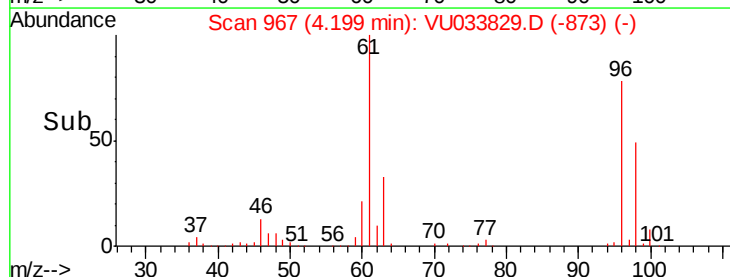
68 0.0 0.0 0.0

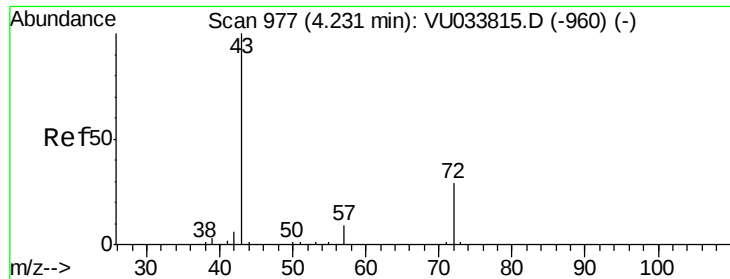


Abundance Ion 96.00 (95.70 to 96.70): VU033829.D (-873) (-)

Ion 61.00 (60.70 to 61.70): VU033829.D (-873) (-)

Ion 68.00 (67.70 to 68.70): VU033829.D (-873) (-)





#22

2-Butanone

Concen: 108.488 ug/L

RT: 4.24 min Scan# 979

Delta R.T. 0.01 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

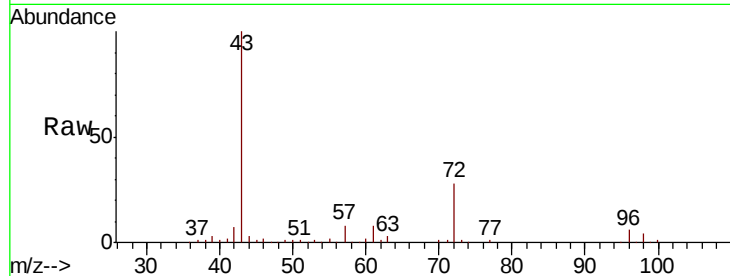
VSTD05045

Tgt Ion: 43 Resp: 224696

Ion Ratio Lower Upper

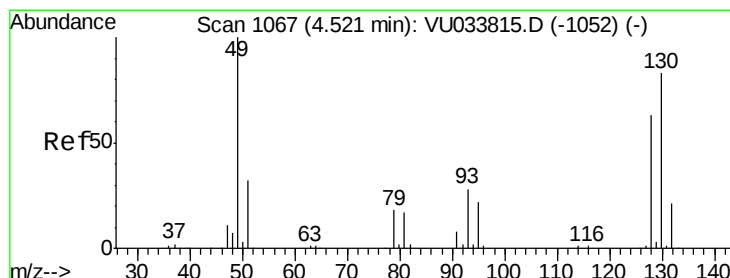
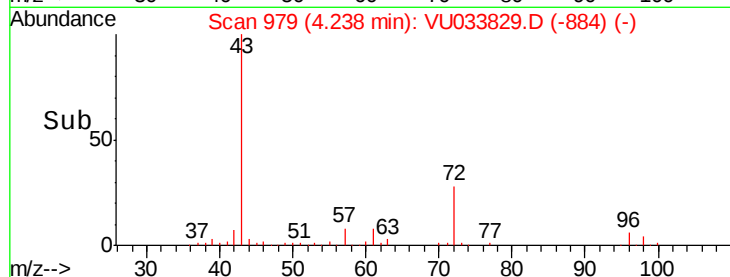
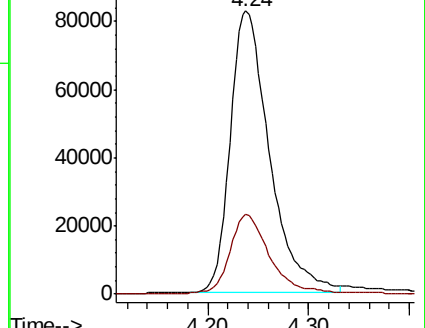
43 100

72 28.1 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VU033815.D (-960) (-)

Ion 72.00 (71.70 to 72.70): VU033815.D (-960) (-)



#23

Bromochloromethane

Concen: 50.513 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Tgt Ion: 128 Resp: 83304

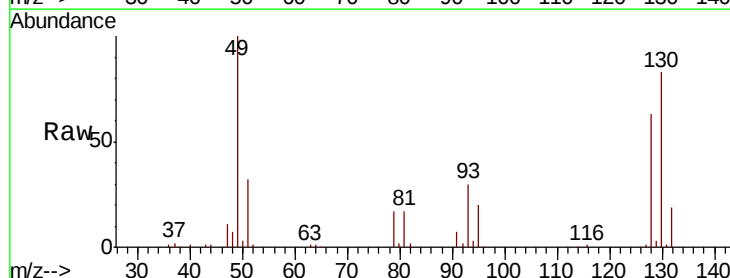
Ion Ratio Lower Upper

128 100

49 158.2 106.7 198.3

130 132.0 90.4 168.0

51 51.2 38.4 57.6

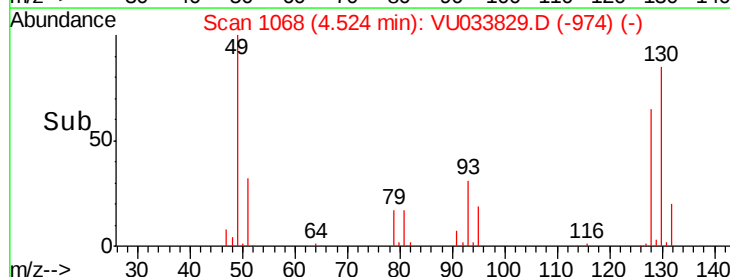
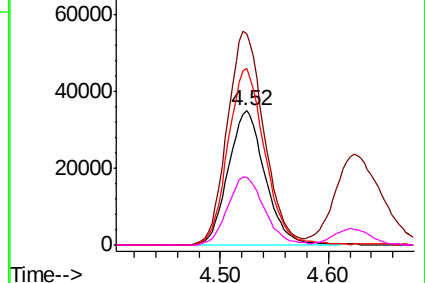


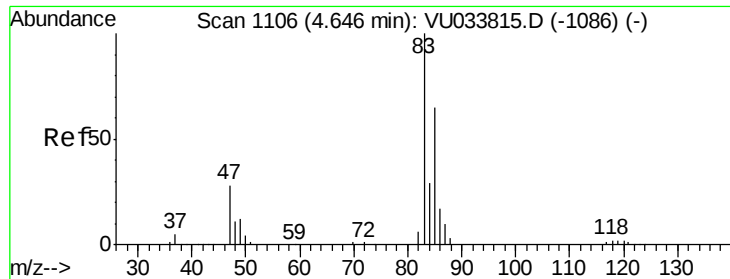
Abundance Ion 128.00 (127.70 to 128.70): VU033815.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033815.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033815.D (-1052) (-)

Ion 51.00 (50.70 to 51.70): VU033815.D (-1052) (-)

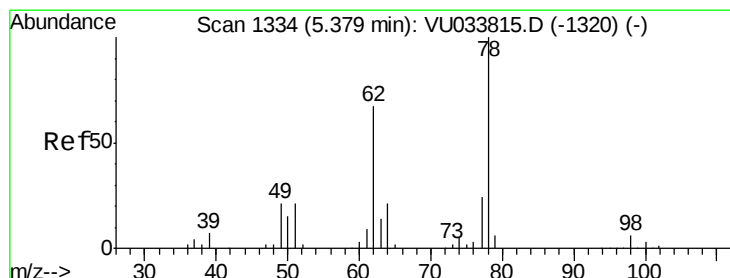
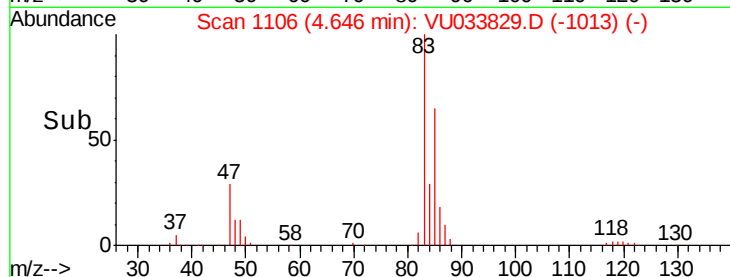
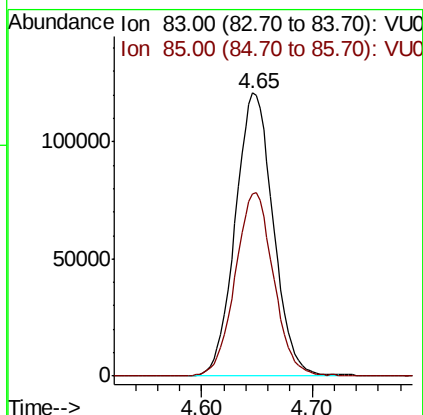
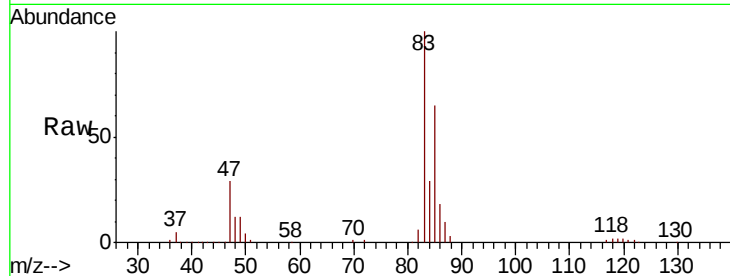




#25
Chloroform
Concen: 51.431 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033829.D
Acq: 16 Aug 2019 12:26

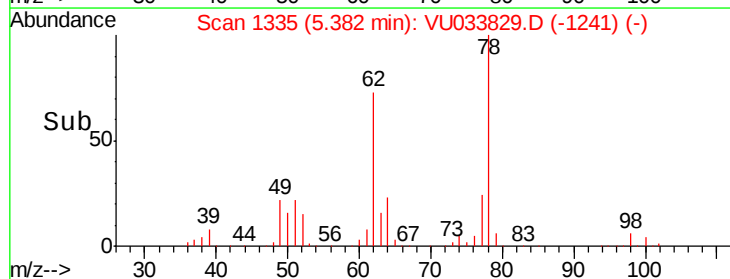
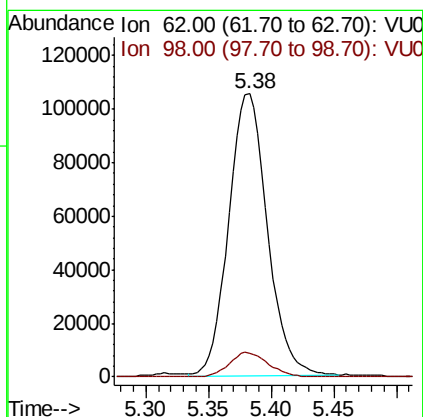
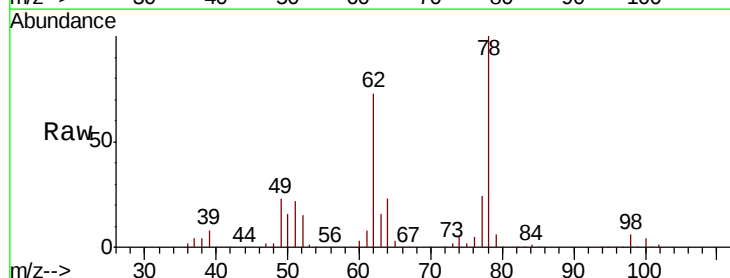
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

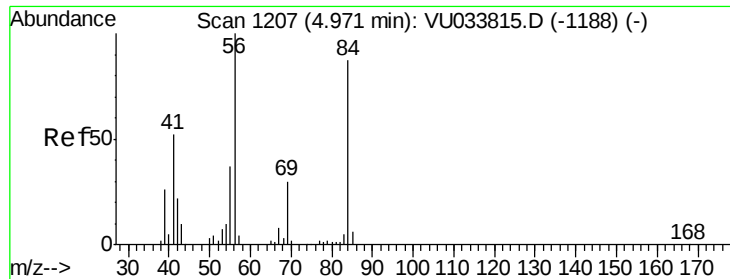
Tgt Ion: 83 Resp: 287596
Ion Ratio Lower Upper
83 100
85 64.6 46.3 86.1



#27
1,2-Dichloroethane
Concen: 53.137 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU033829.D
Acq: 16 Aug 2019 12:26

Tgt Ion: 62 Resp: 225275
Ion Ratio Lower Upper
62 100
98 8.5 7.0 10.6

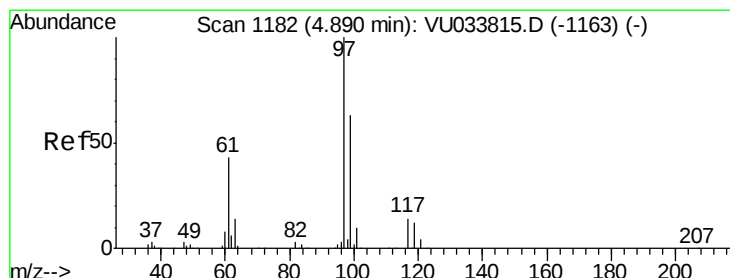
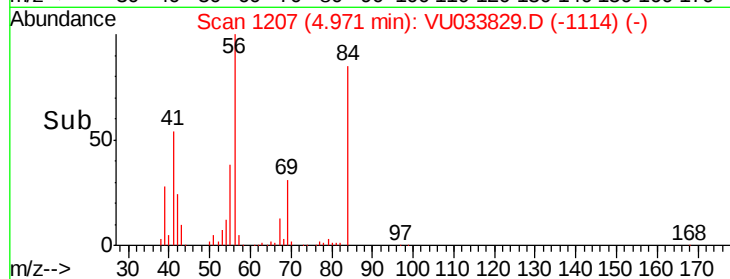
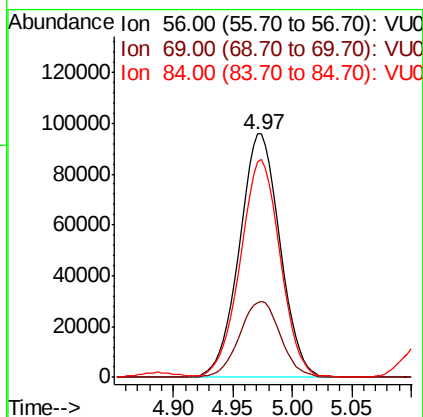
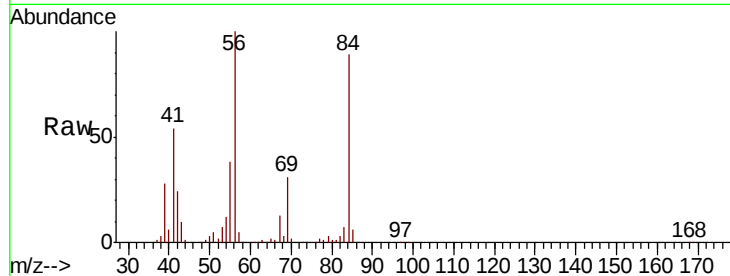




#29
Cyclohexane
Concen: 54.209 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU033829.D
Acq: 16 Aug 2019 12:26

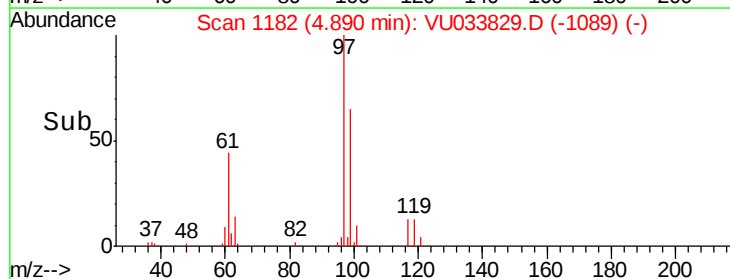
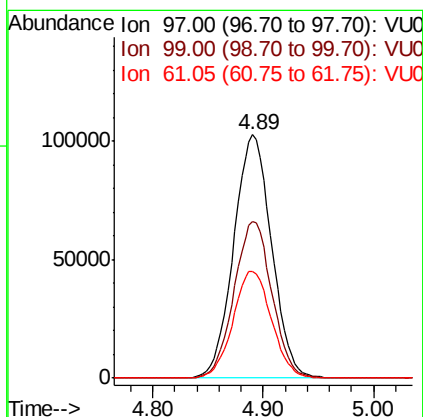
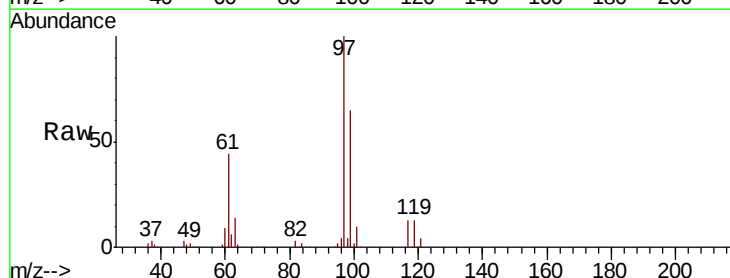
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

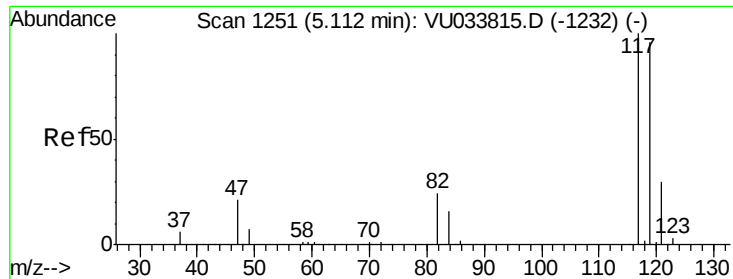
Tgt Ion: 56 Resp: 226860
Ion Ratio Lower Upper
56 100
69 31.4 24.4 36.6
84 88.1 69.0 103.4



#30
1,1,1-Trichloroethane
Concen: 51.949 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033829.D
Acq: 16 Aug 2019 12:26

Tgt Ion: 97 Resp: 244282
Ion Ratio Lower Upper
97 100
99 64.5 51.8 77.8
61 44.7 35.8 53.6

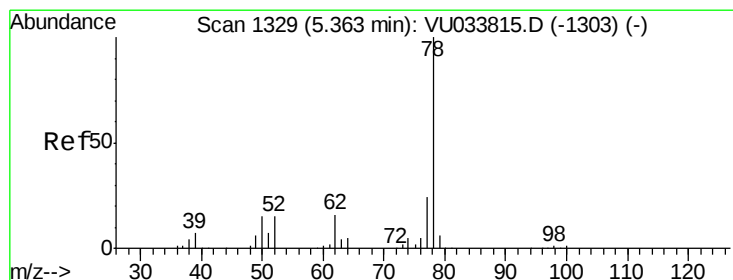
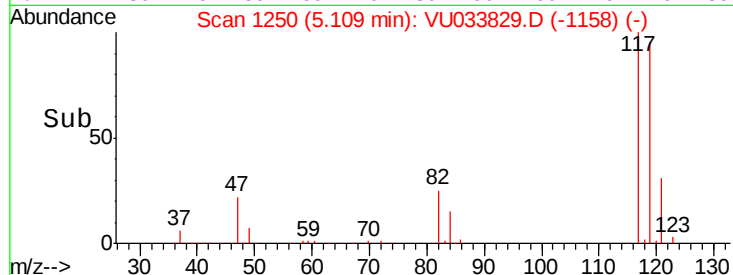
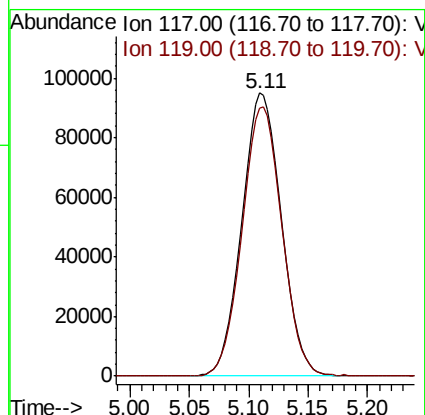
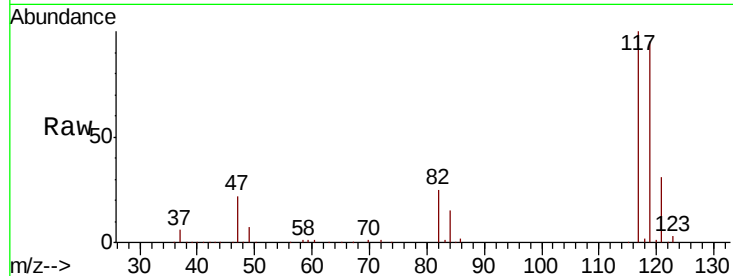




#31
Carbon tetrachloride
Concen: 51.005 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU033829.D
Acq: 16 Aug 2019 12:26

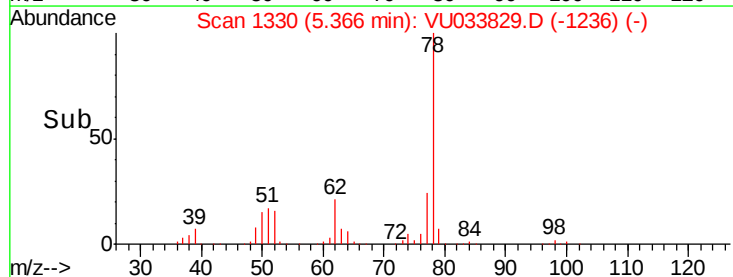
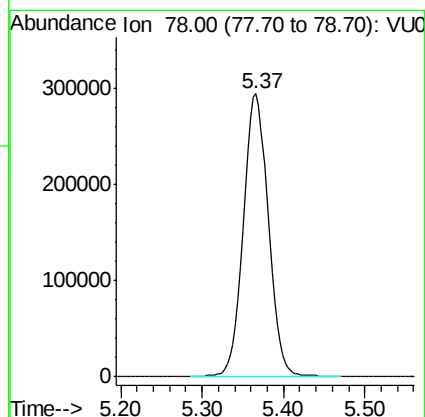
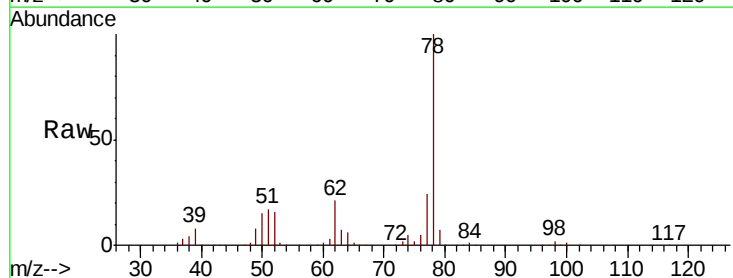
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

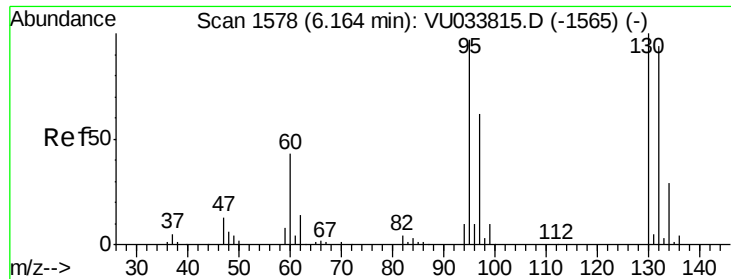
Tgt Ion: 117 Resp: 218253
Ion Ratio Lower Upper
117 100
119 95.8 77.0 115.6



#33
Benzene
Concen: 52.810 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033829.D
Acq: 16 Aug 2019 12:26

Tgt Ion: 78 Resp: 623099

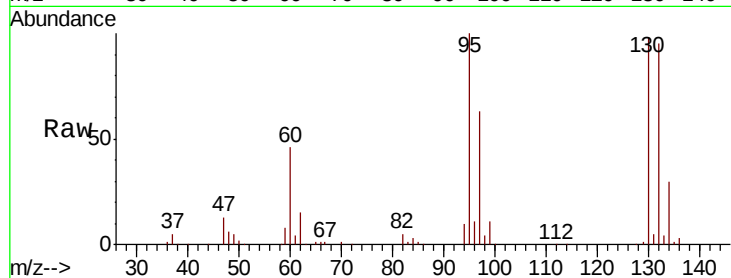




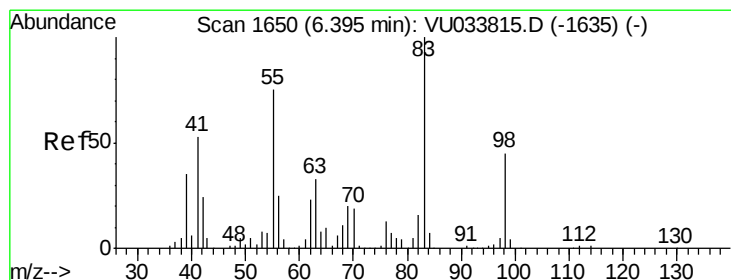
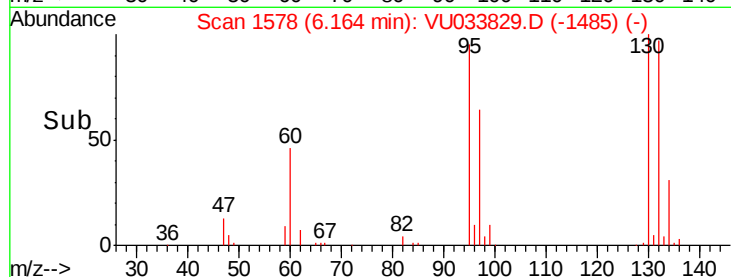
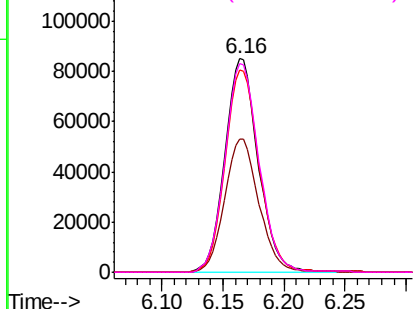
#34
 Trichloroethene
 Concen: 51.838 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033829.D
 Acq: 16 Aug 2019 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion: 95 Resp: 163238
 Ion Ratio Lower Upper
 95 100
 97 62.6 46.3 86.1
 132 94.6 67.9 126.1
 130 98.0 72.0 133.6

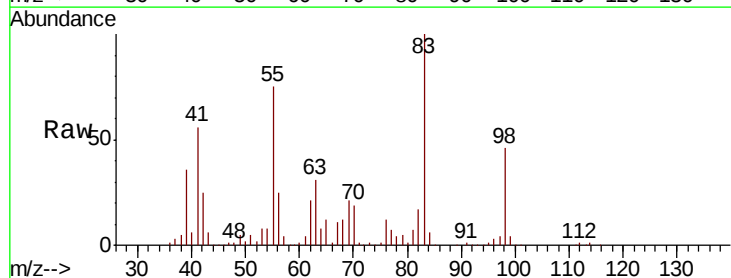


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

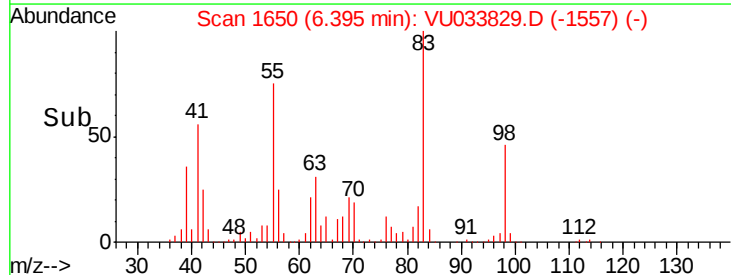
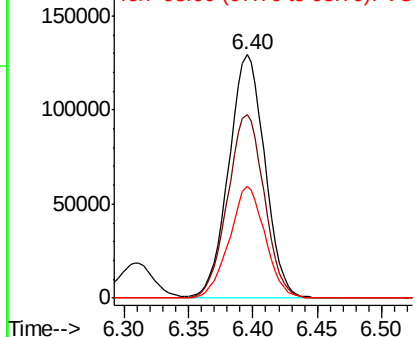


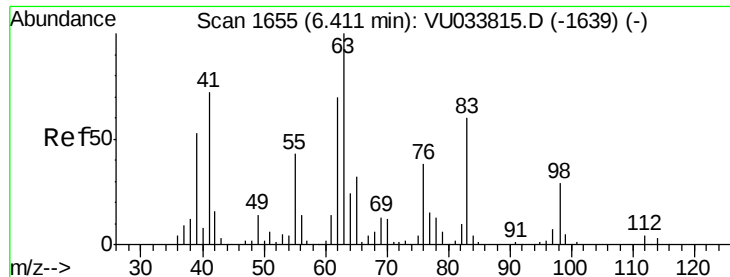
#35
 Methylcyclohexane
 Concen: 54.327 ug/L
 RT: 6.40 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: VU033829.D
 Acq: 16 Aug 2019 12:26

Tgt Ion: 83 Resp: 250514
 Ion Ratio Lower Upper
 83 100
 55 77.0 61.6 92.4
 98 45.5 37.2 55.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0

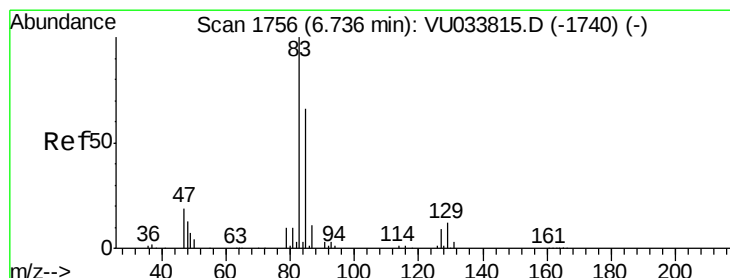
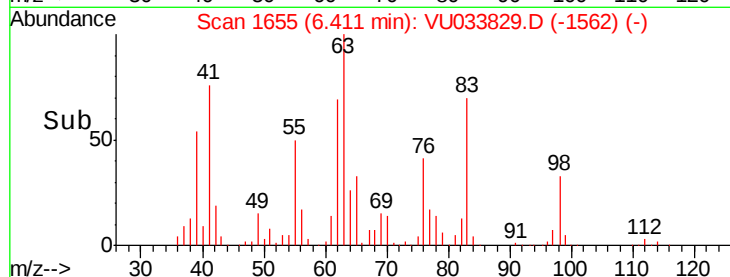
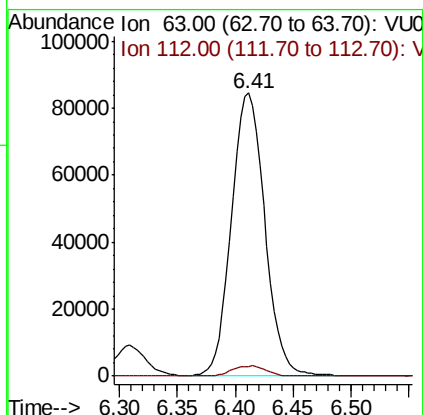
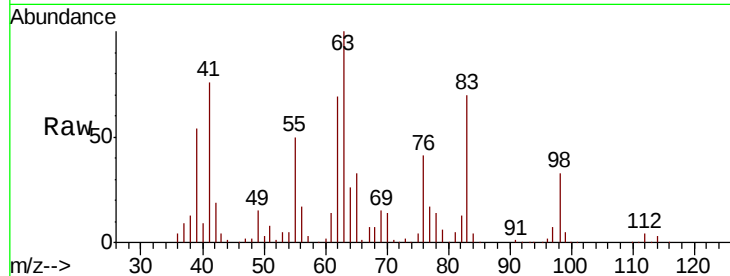




#37
 1,2-Dichloropropane
 Concen: 52.151 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU033829.D
 Acq: 16 Aug 2019 12:26

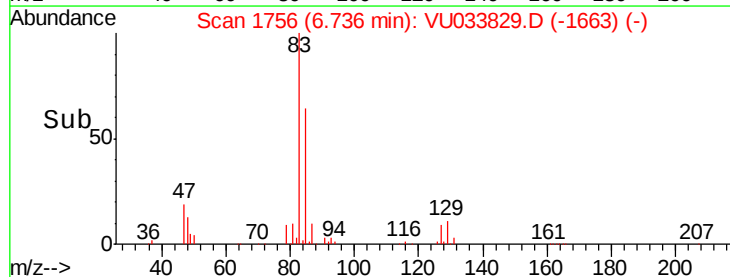
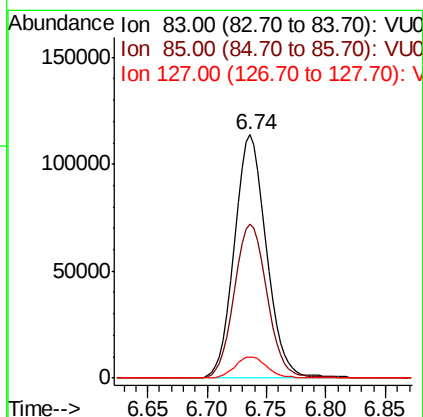
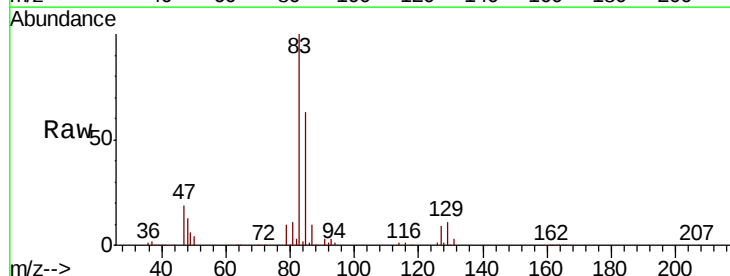
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

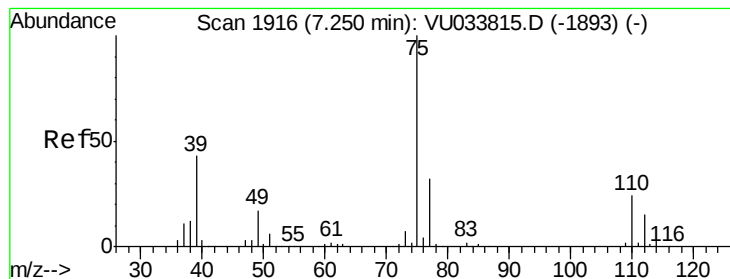
Tgt Ion: 63 Resp: 168499
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.2 4.8



#38
 Bromodichloromethane
 Concen: 50.658 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033829.D
 Acq: 16 Aug 2019 12:26

Tgt Ion: 83 Resp: 211917
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.9 85.3
 127 8.6 7.3 10.9



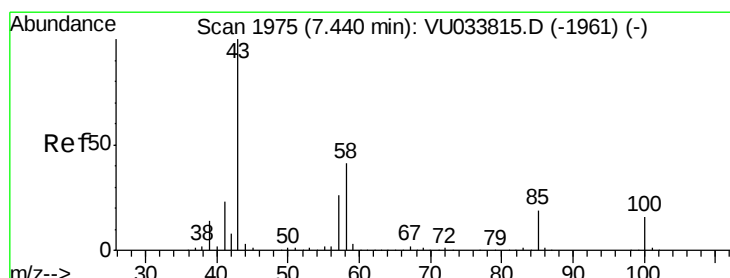
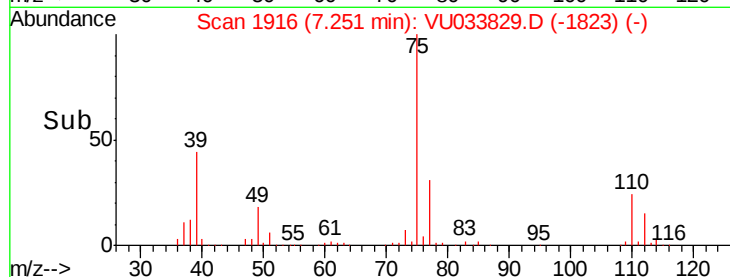
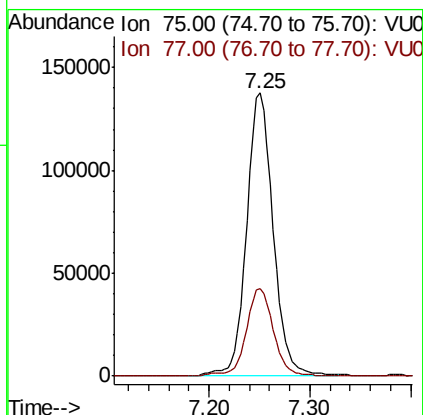
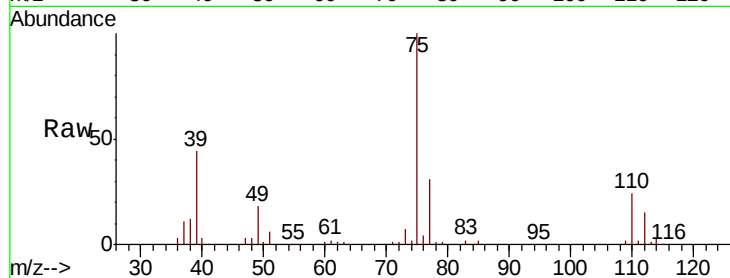


#39

cis-1,3-Dichloropropene
Concen: 53.099 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VU033829.D
Acq: 16 Aug 2019 12:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

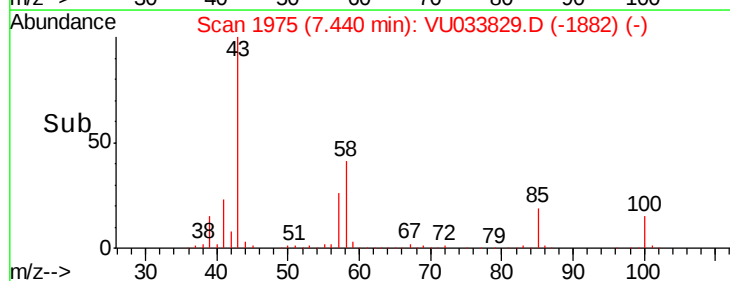
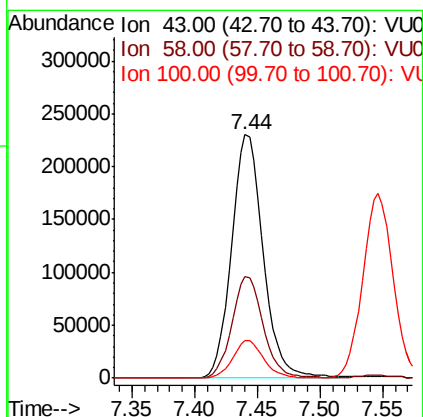
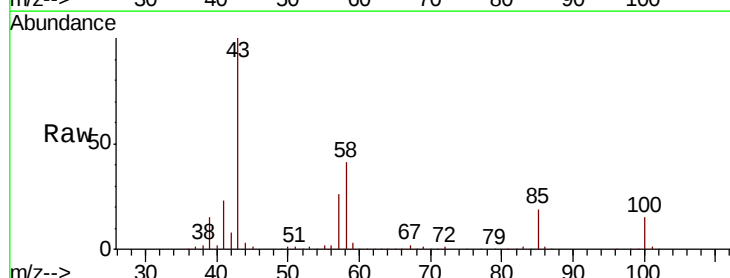
Tgt Ion: 75 Resp: 250045
Ion Ratio Lower Upper
75 100
77 30.8 22.5 41.7

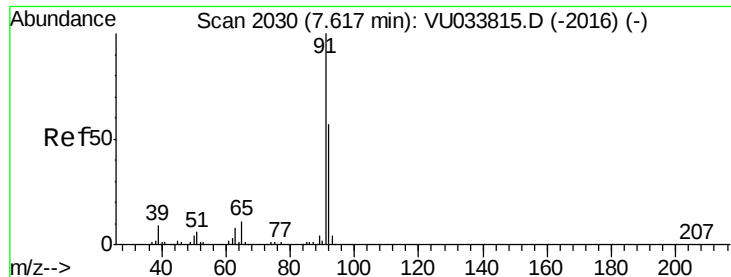


#40

4-Methyl-2-pentanone
Concen: 106.295 ug/L
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU033829.D
Acq: 16 Aug 2019 12:26

Tgt Ion: 43 Resp: 403160
Ion Ratio Lower Upper
43 100
58 41.1 32.6 49.0
100 15.0 12.4 18.6





#42

Toluene

Concen: 54.144 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

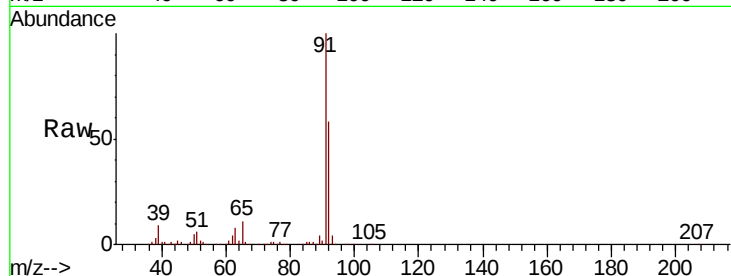
VSTD05045

Tgt Ion: 91 Resp: 675354

Ion Ratio Lower Upper

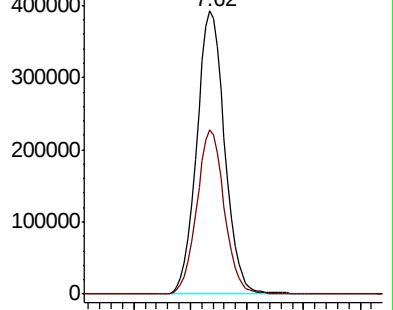
91 100

92 58.1 39.9 74.1

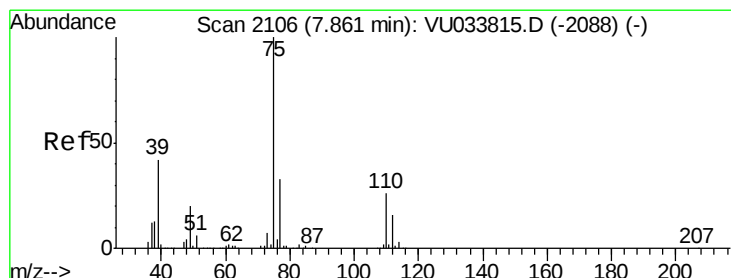
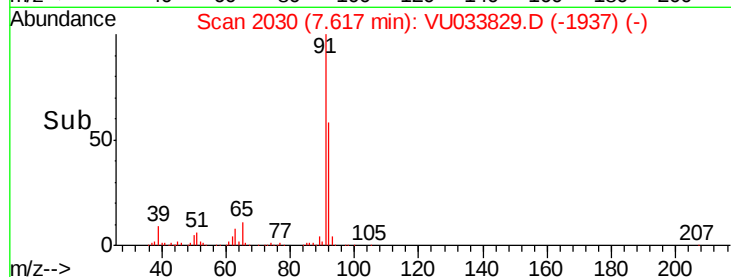


Abundance Ion 91.00 (90.70 to 91.70): VU033815.D (-2016) (-)

Ion 92.00 (91.70 to 92.70): VU033815.D (-2016) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.997 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033829.D

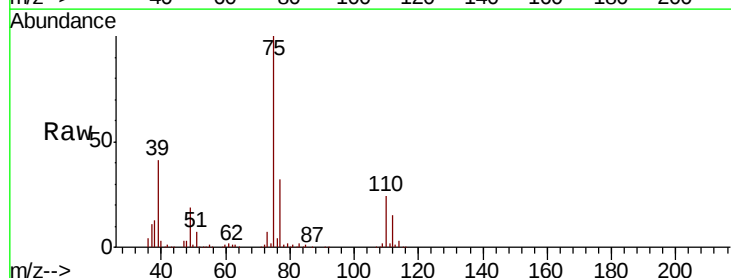
Acq: 16 Aug 2019 12:26

Tgt Ion: 75 Resp: 229353

Ion Ratio Lower Upper

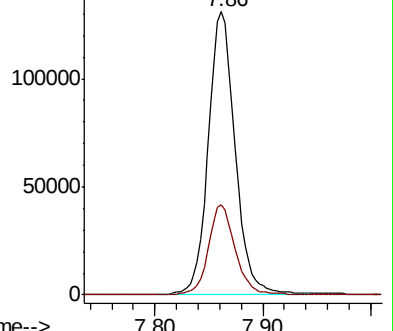
75 100

77 31.8 22.5 41.9

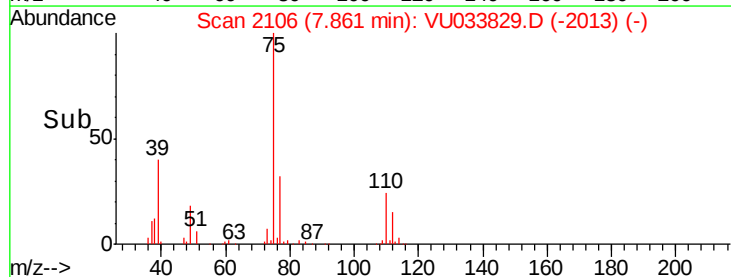


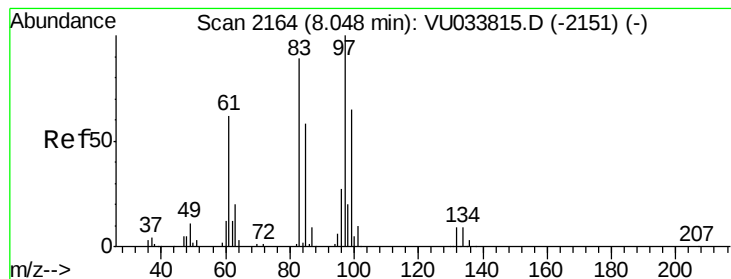
Abundance Ion 75.00 (74.70 to 75.70): VU033815.D (-2088) (-)

Ion 77.00 (76.70 to 77.70): VU033815.D (-2088) (-)



Time-->





#45

1,1,2-Trichloroethane

Concen: 51.813 ug/L

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampled :

VSTD05045

Tgt Ion: 97 Resp: 157130

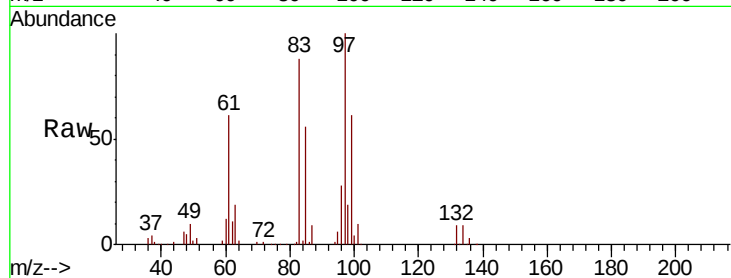
Ion Ratio Lower Upper

97 100

99 60.8 43.9 81.5

83 88.1 61.7 114.5

85 55.9 39.2 72.8

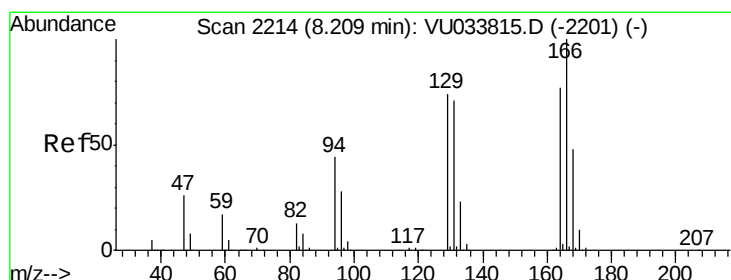
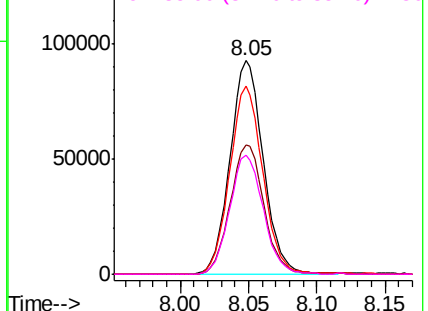
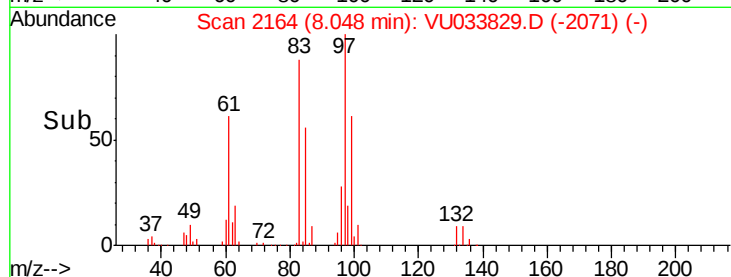


Abundance Ion 97.00 (96.70 to 97.70): VU033829.D (-2151) (-)

Ion 99.00 (98.70 to 99.70): VU033829.D (-2151) (-)

Ion 83.00 (82.70 to 83.70): VU033829.D (-2151) (-)

Ion 85.00 (84.70 to 85.70): VU033829.D (-2151) (-)



#46

Tetrachloroethene

Concen: 52.422 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Tgt Ion: 164 Resp: 132343

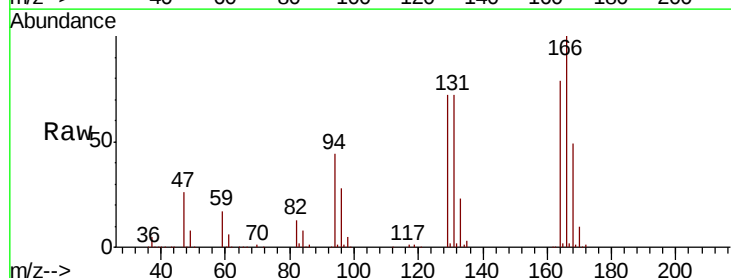
Ion Ratio Lower Upper

164 100

129 91.5 64.4 119.6

131 91.2 63.8 118.4

166 127.1 90.9 168.7

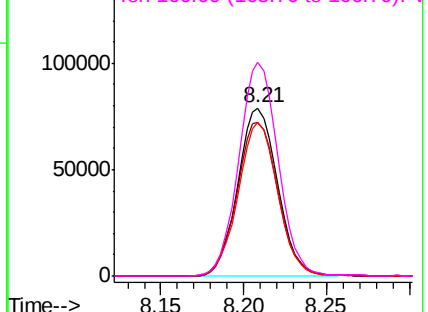
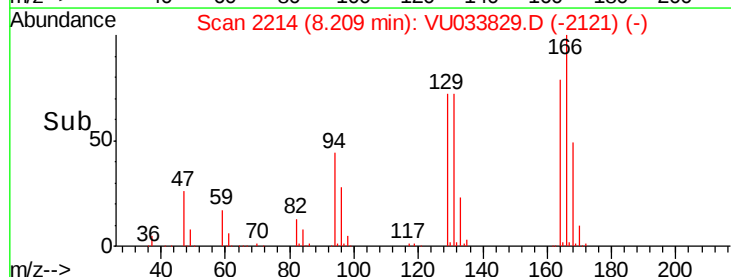


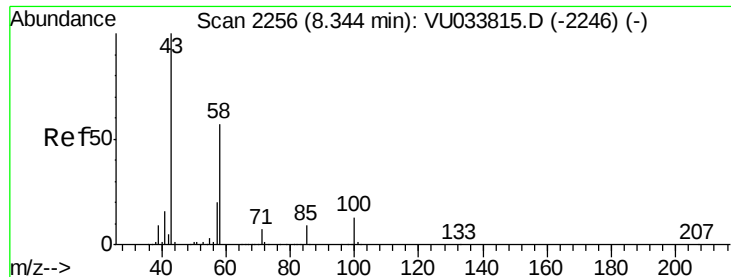
Abundance Ion 164.00 (163.70 to 164.70): VU033829.D (-2214) (-)

Ion 129.00 (128.70 to 129.70): VU033829.D (-2214) (-)

Ion 131.00 (130.70 to 131.70): VU033829.D (-2214) (-)

Ion 166.00 (165.70 to 166.70): VU033829.D (-2214) (-)

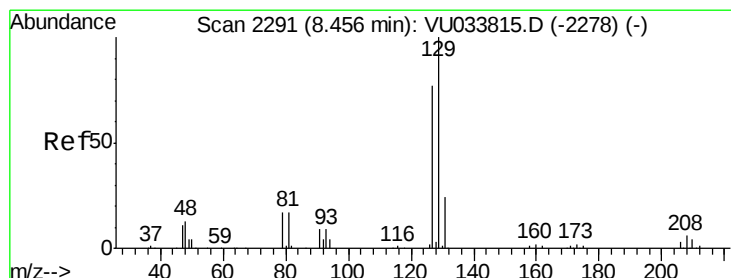
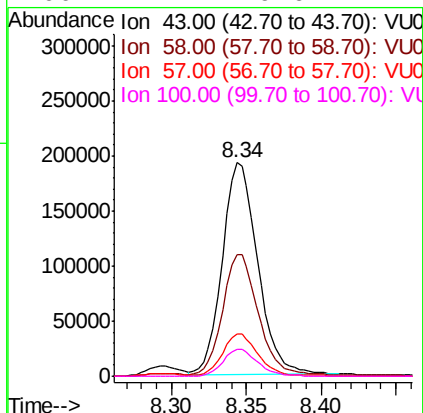
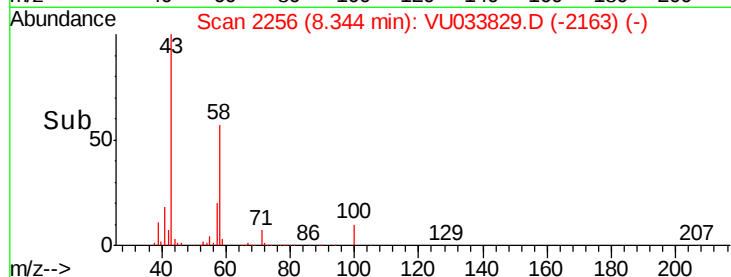
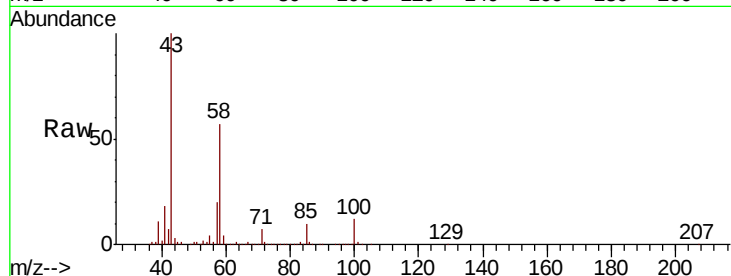




#48
2-Hexanone
Concen: 107.144 ug/L
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU033829.D
Acq: 16 Aug 2019 12:26

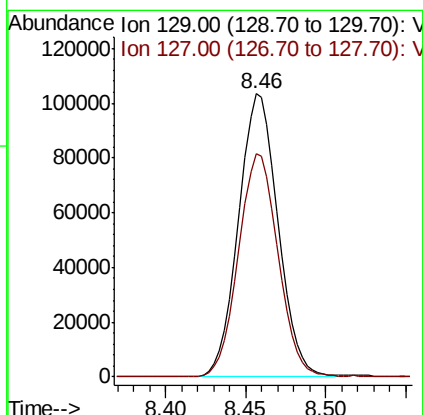
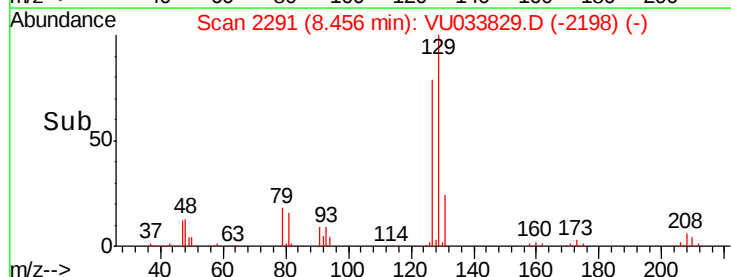
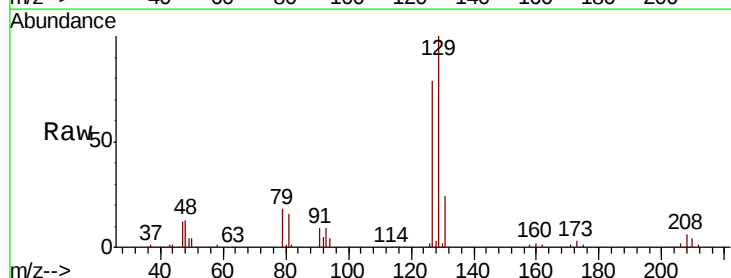
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

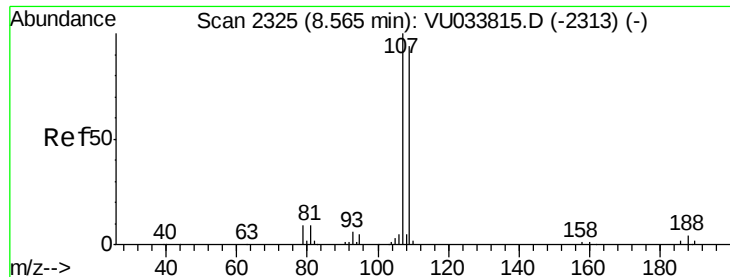
Tgt Ion:	43	Resp:	318652
Ion	Ratio	Lower	Upper
43	100		
58	57.8	45.0	67.4
57	20.0	15.4	23.0
100	12.4	9.6	14.4



#49
Dibromochloromethane
Concen: 50.909 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033829.D
Acq: 16 Aug 2019 12:26

Tgt Ion:	129	Resp:	174330
Ion	Ratio	Lower	Upper
129	100		
127	79.0	53.4	99.2

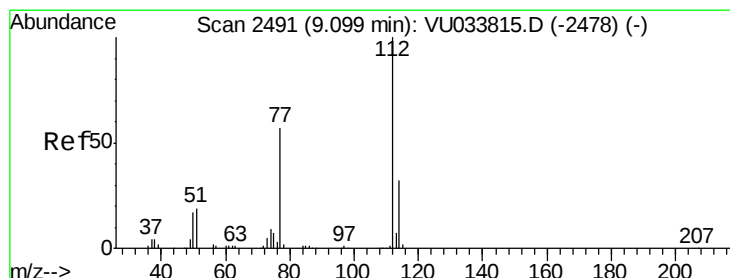
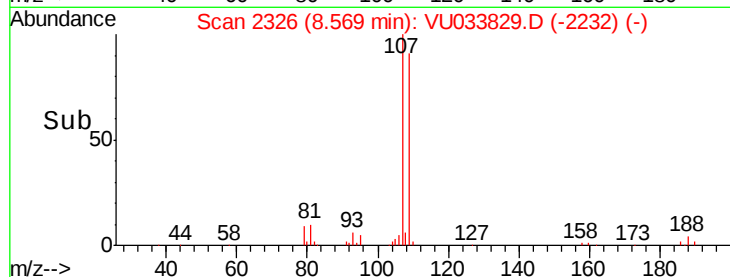
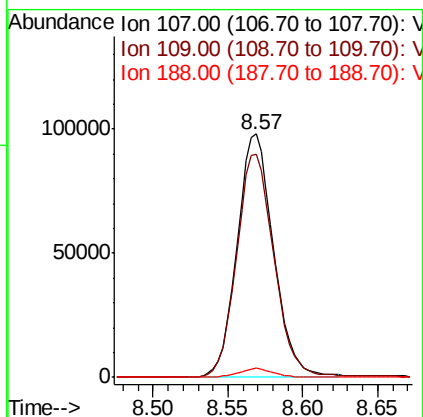
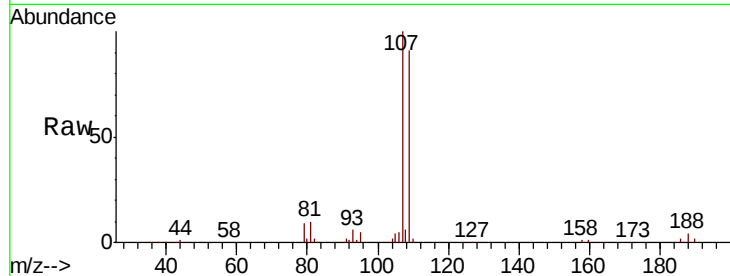




#50
 1,2-Dibromoethane
 Concen: 51.494 ug/L
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU033829.D
 Acq: 16 Aug 2019 12:26

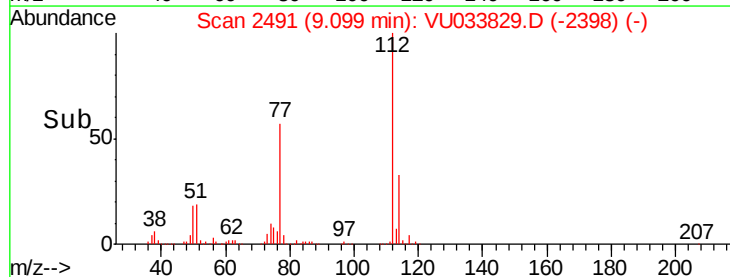
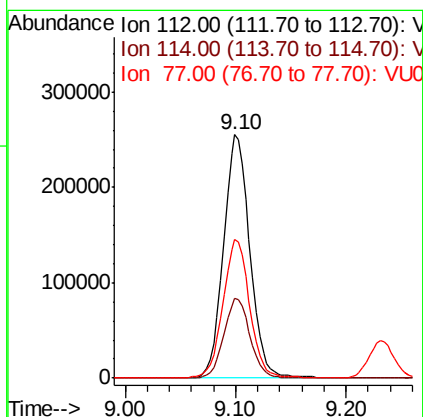
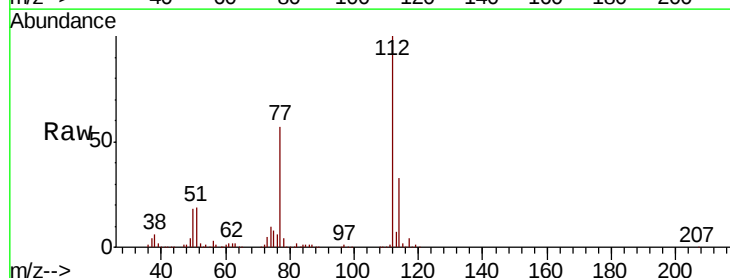
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

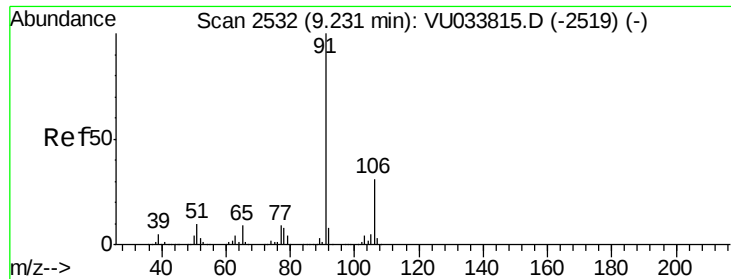
Tgt Ion:107 Resp: 166274
 Ion Ratio Lower Upper
 107 100
 109 91.4 64.8 120.3
 188 3.6 3.1 4.7



#51
 Chlorobenzene
 Concen: 51.222 ug/L
 RT: 9.10 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: VU033829.D
 Acq: 16 Aug 2019 12:26

Tgt Ion:112 Resp: 421997
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.5 41.9
 77 57.1 45.4 68.0





#52

Ethylbenzene

Concen: 53.749 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

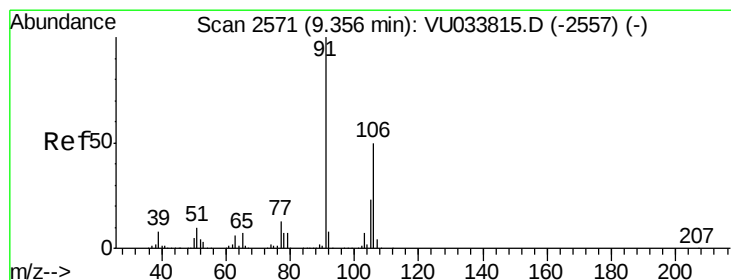
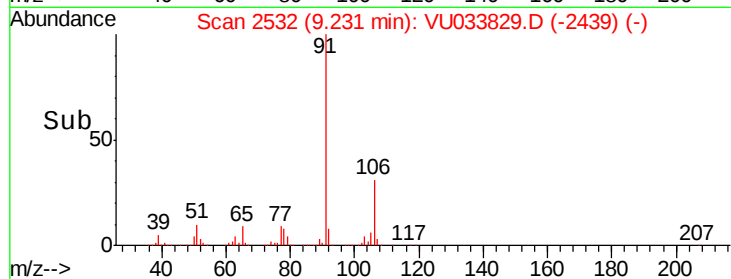
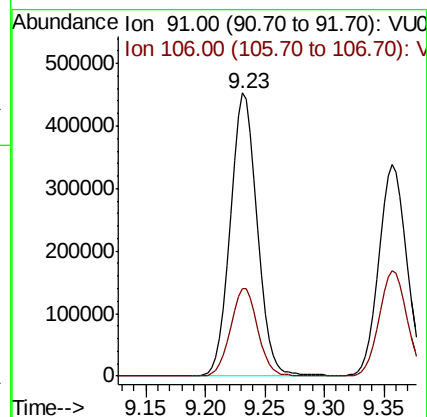
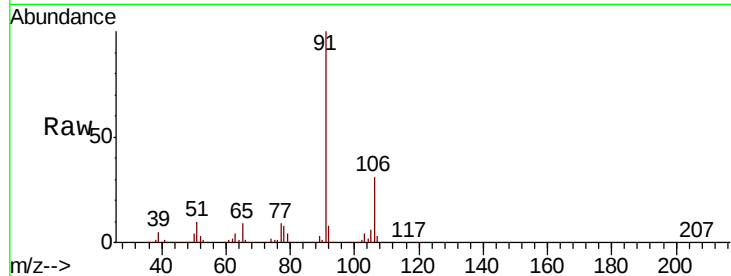
VSTD05045

Tgt Ion: 91 Resp: 710323

Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.6



#53

m,p-Xylene

Concen: 55.482 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU033829.D

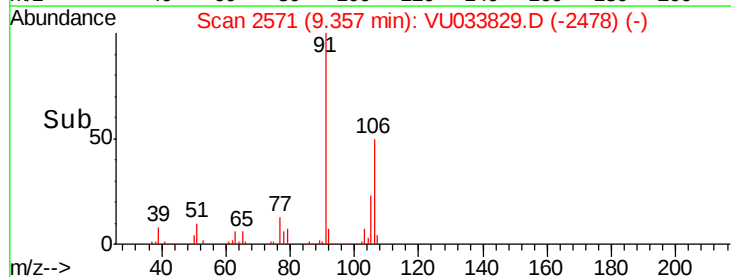
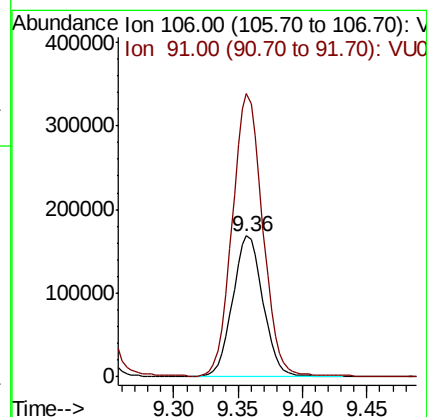
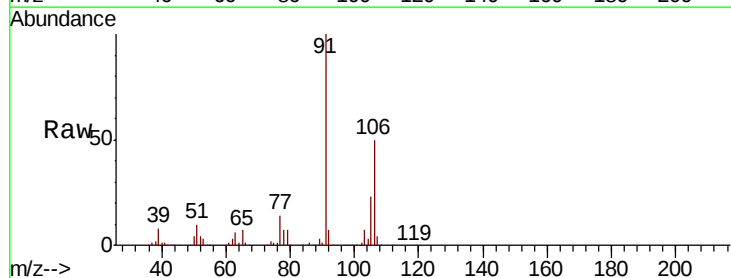
Acq: 16 Aug 2019 12:26

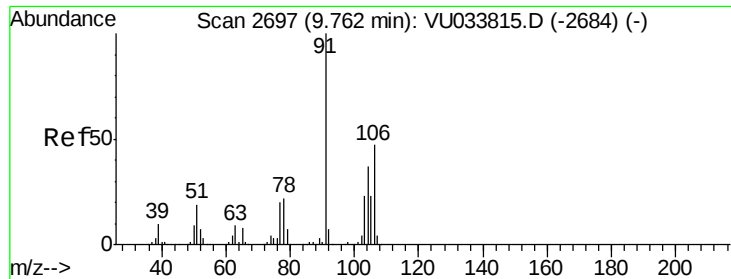
Tgt Ion: 106 Resp: 274461

Ion Ratio Lower Upper

106 100

91 200.5 140.9 261.7

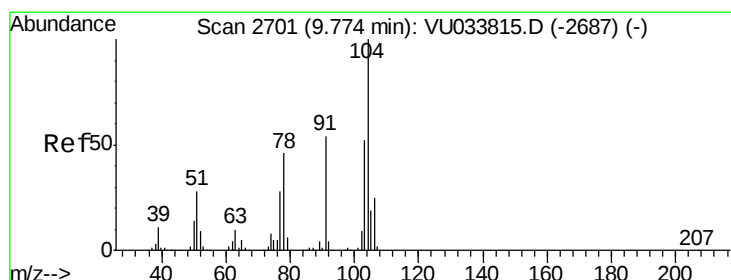
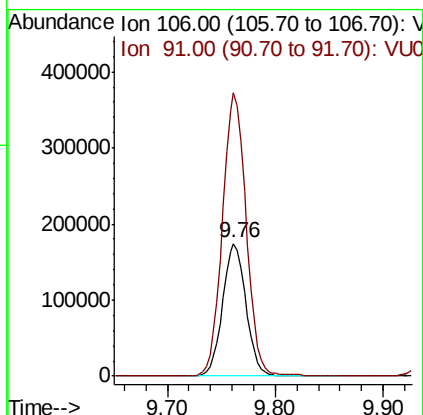
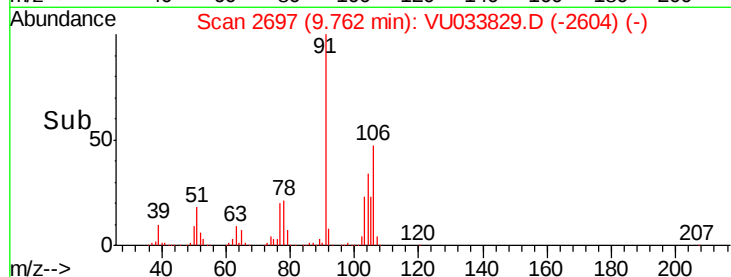
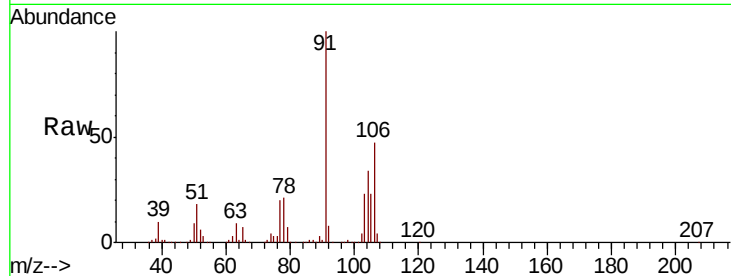




#54
o-xylene
Concen: 54.839 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU033829.D
Acq: 16 Aug 2019 12:26

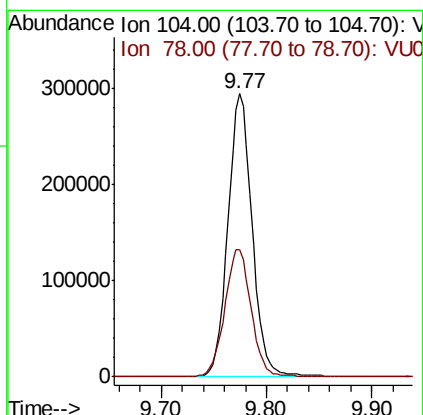
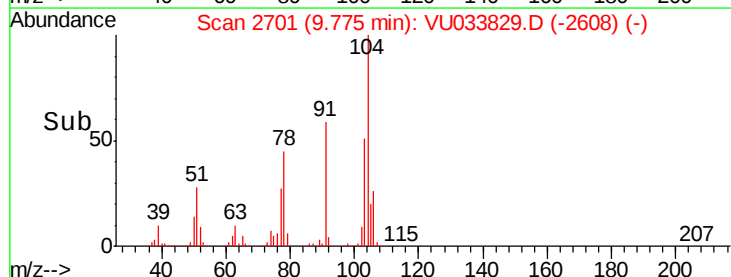
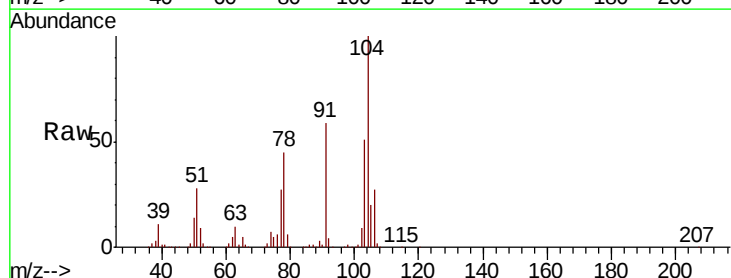
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

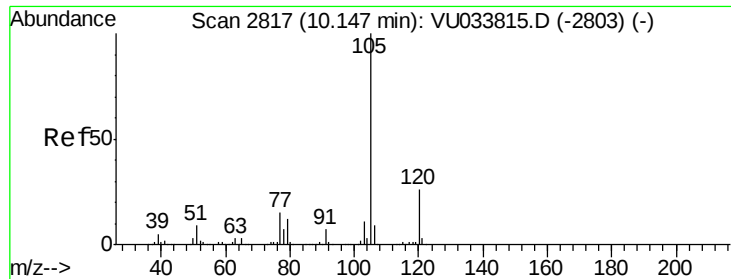
Tgt Ion:106 Resp: 262860
Ion Ratio Lower Upper
106 100
91 213.6 147.8 274.6



#55
Styrene
Concen: 56.833 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU033829.D
Acq: 16 Aug 2019 12:26

Tgt Ion:104 Resp: 466772
Ion Ratio Lower Upper
104 100
78 44.9 31.8 59.0





#56

Isopropylbenzene

Concen: 54.790 ug/L

RT: 10.15 min Scan# 2818

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

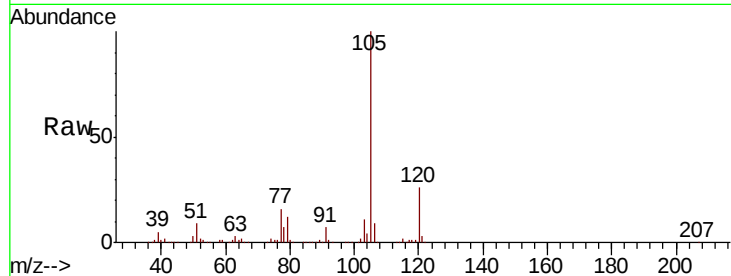
Tgt Ion:105 Resp: 686681

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.0

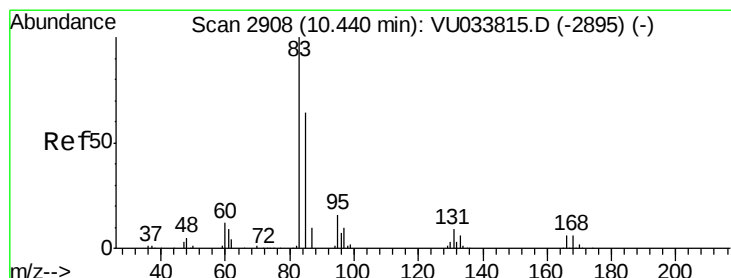
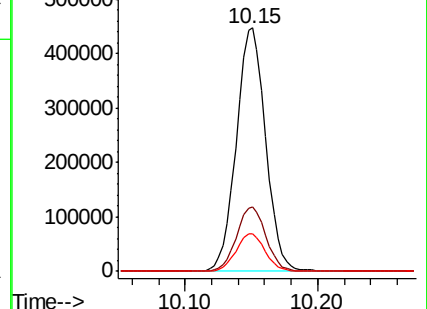
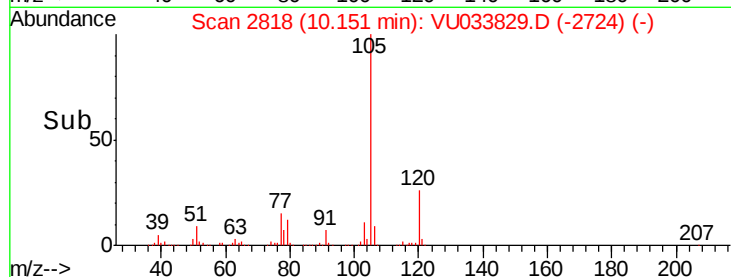
77 15.6 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.006 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

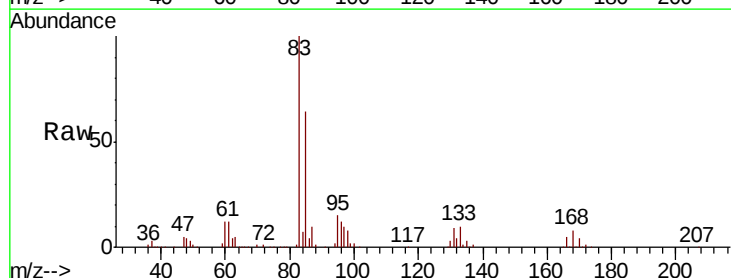
Tgt Ion: 83 Resp: 250358

Ion Ratio Lower Upper

83 100

85 64.5 44.6 82.8

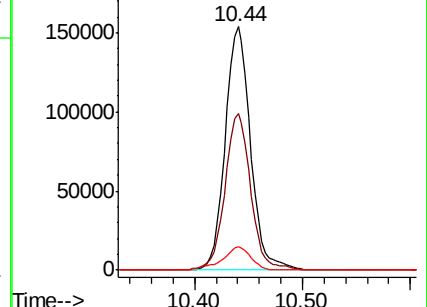
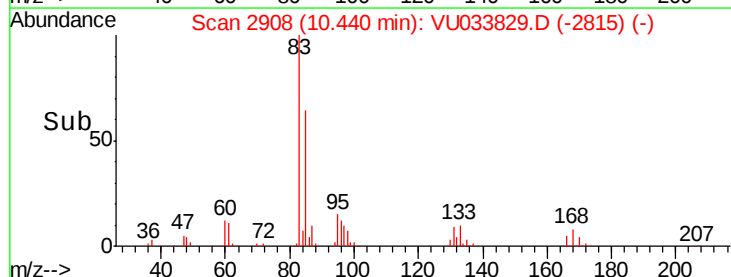
131 9.5 7.8 11.6

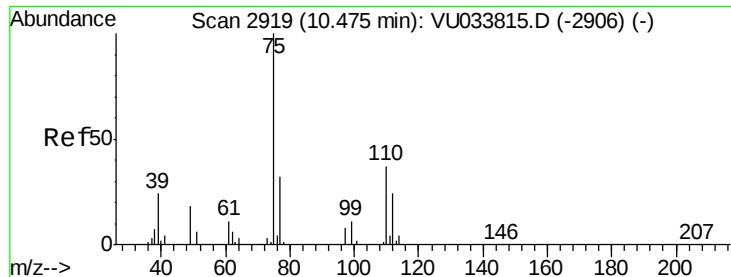


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.657 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

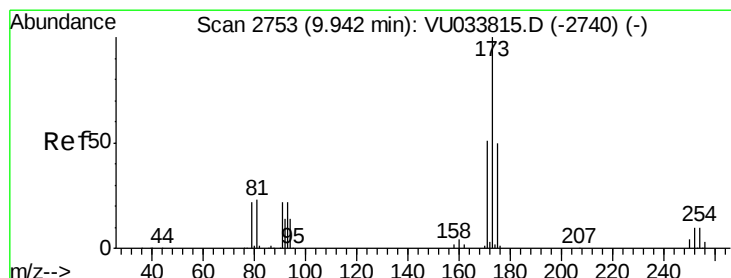
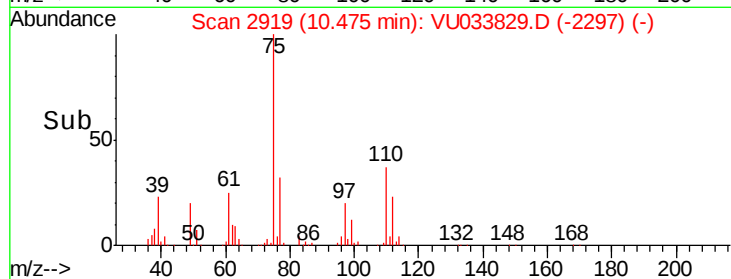
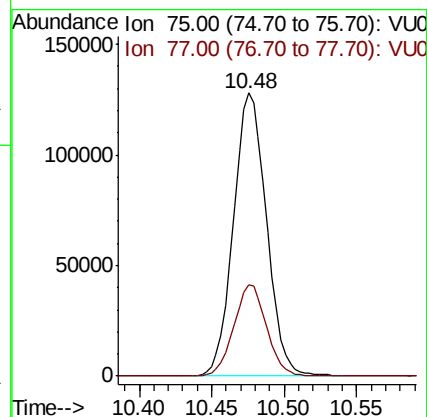
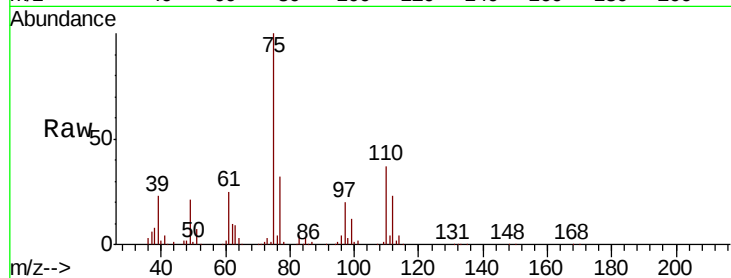
VSTD05045

Tgt Ion: 75 Resp: 202166

Ion Ratio Lower Upper

75 100

77 32.0 26.0 39.0



#61

Bromoform

Concen: 50.971 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

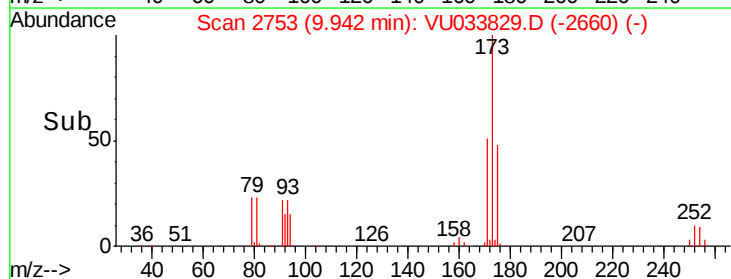
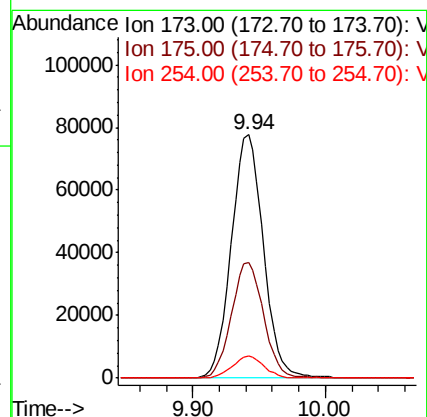
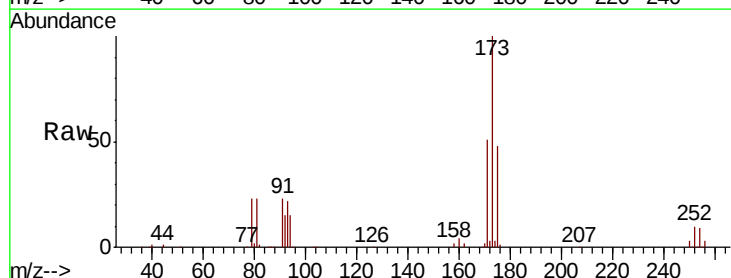
Tgt Ion: 173 Resp: 130600

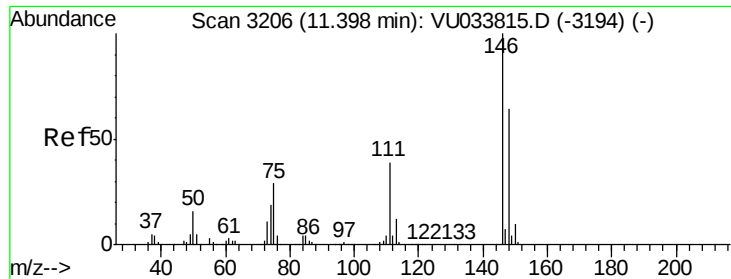
Ion Ratio Lower Upper

173 100

175 47.7 38.8 58.2

254 9.0 7.4 11.0

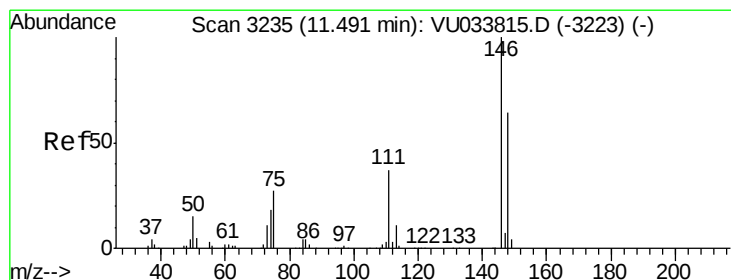
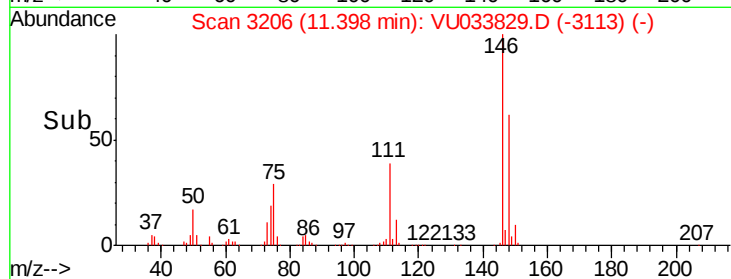
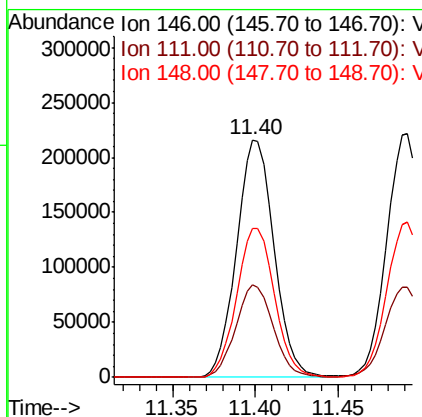
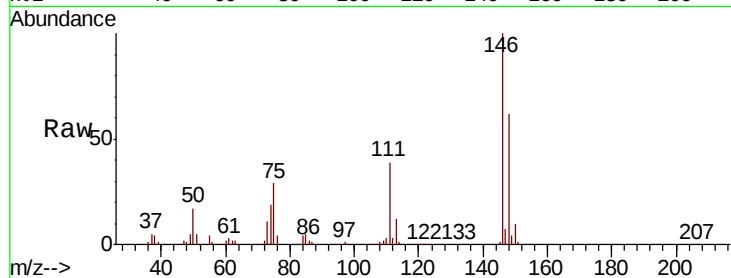




#62
 1,3-Dichlorobenzene
 Concen: 52.764 ug/L
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU033829.D
 Acq: 16 Aug 2019 12:26

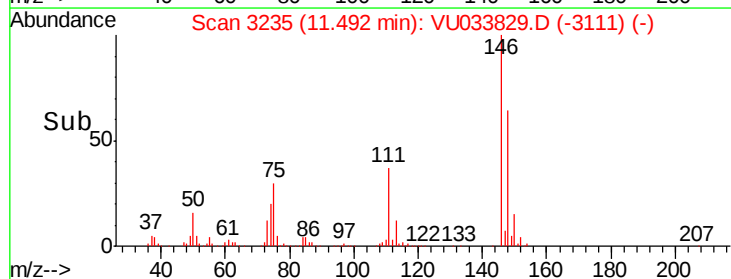
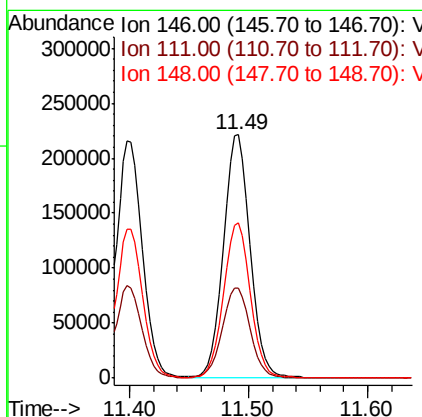
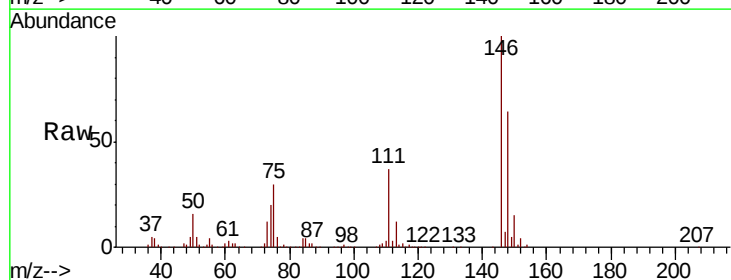
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

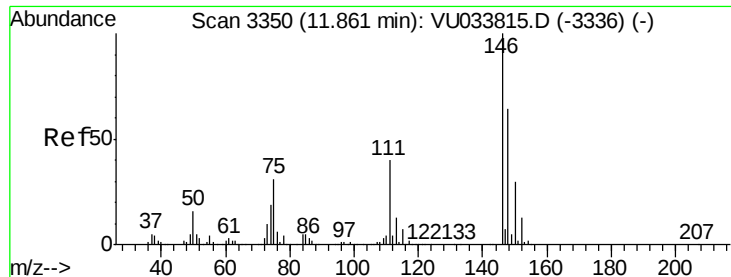
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	28.1	52.1
148	62.5	45.2	84.0



#63
 1,4-Dichlorobenzene
 Concen: 51.280 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033829.D
 Acq: 16 Aug 2019 12:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	27.0	50.2
148	63.6	44.5	82.7

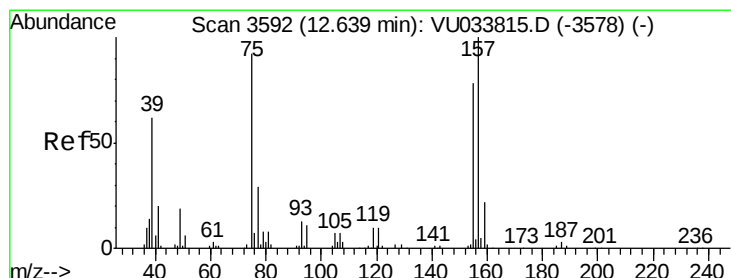
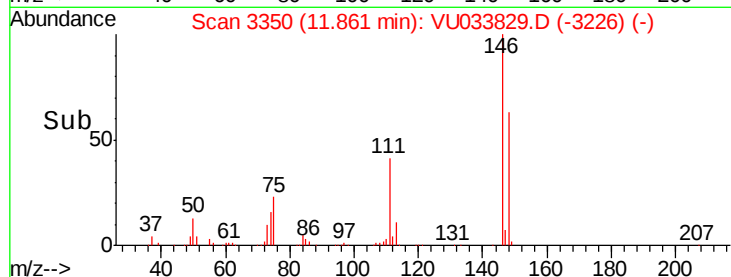
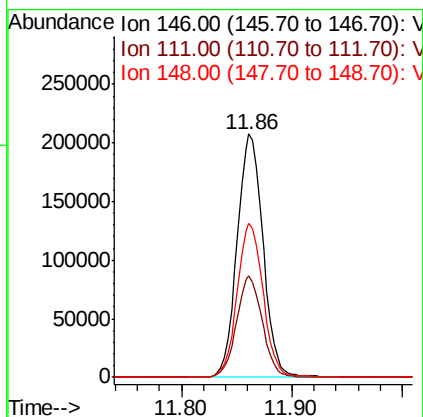
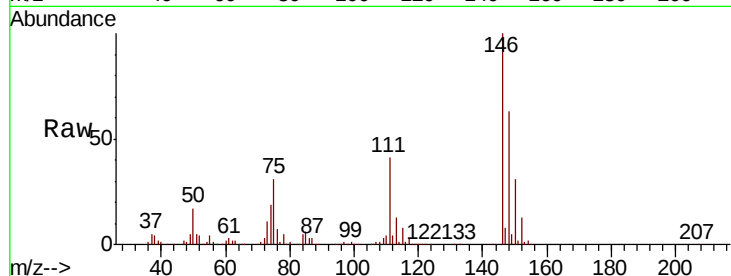




#65
 1,2-Dichlorobenzene
 Concen: 52.254 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033829.D
 Acq: 16 Aug 2019 12:26

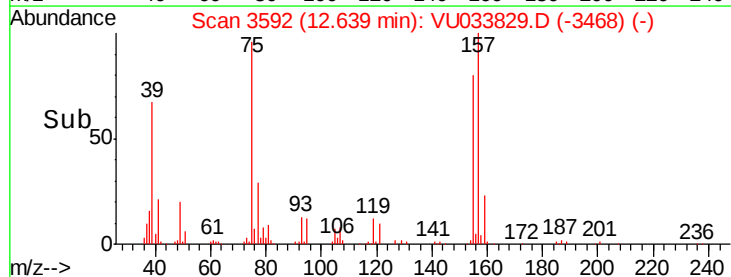
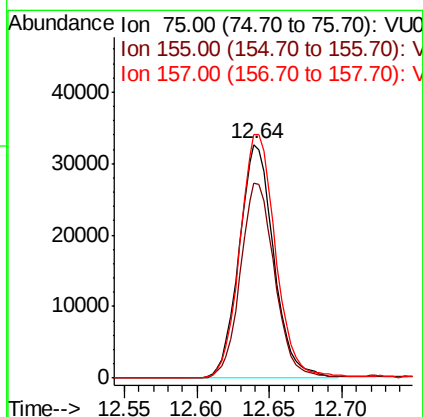
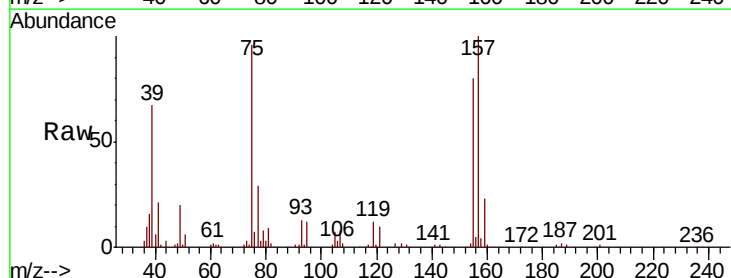
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

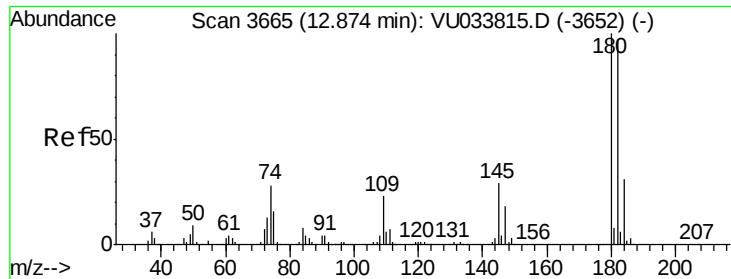
Tgt Ion: 146 Resp: 338164
 Ion Ratio Lower Upper
 146 100
 111 41.5 33.8 50.6
 148 63.2 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.452 ug/L
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU033829.D
 Acq: 16 Aug 2019 12:26

Tgt Ion: 75 Resp: 54287
 Ion Ratio Lower Upper
 75 100
 155 83.4 67.5 101.3
 157 104.2 87.7 131.5

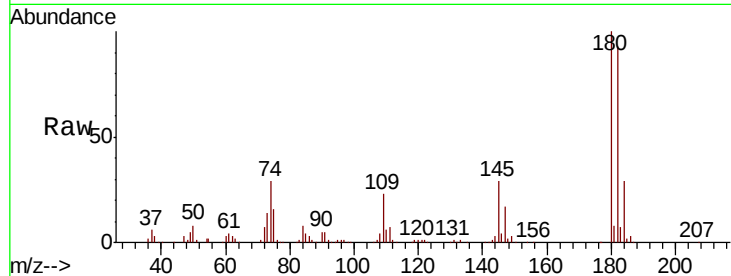




#67
 1,3,5-Trichlorobenzene
 Concen: 51.623 ug/L
 RT: 12.87 min Scan# 3664
 Delta R.T. -0.00 min
 Lab File: VU033829.D
 Acq: 16 Aug 2019 12:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.8	113.8
184	29.6	23.8	35.8
145	28.8	22.9	34.3



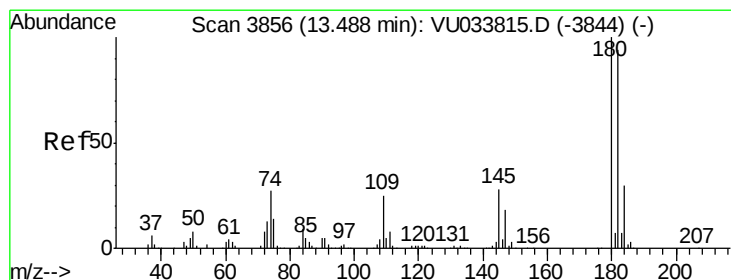
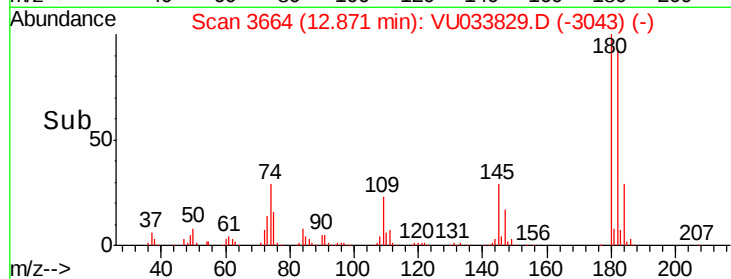
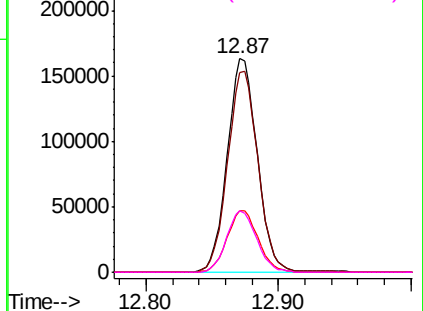
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

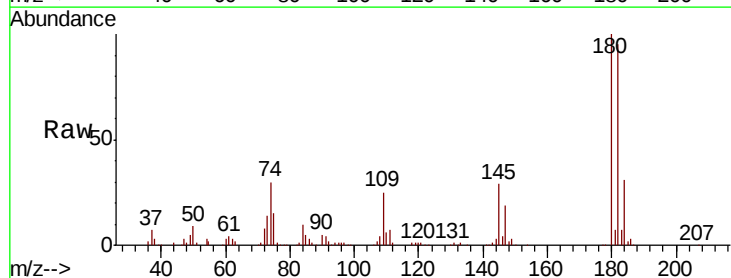
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.633 ug/L
 RT: 13.49 min Scan# 3856
 Delta R.T. 0.00 min
 Lab File: VU033829.D
 Acq: 16 Aug 2019 12:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.2
145	29.3	23.8	35.8

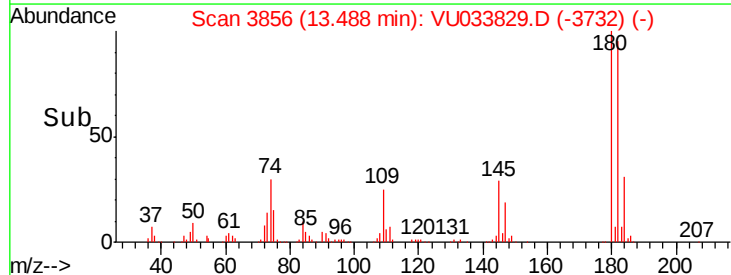
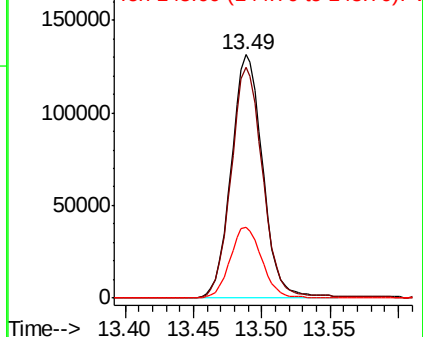


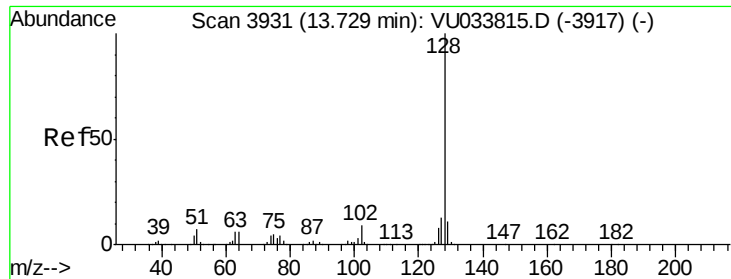
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 54.852 ug/L

RT: 13.73 min Scan# 3931

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

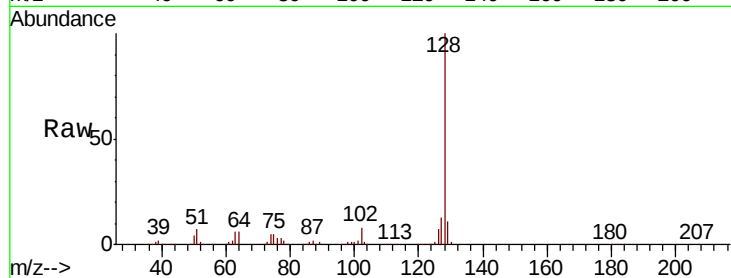
Tgt Ion:128 Resp: 617321

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

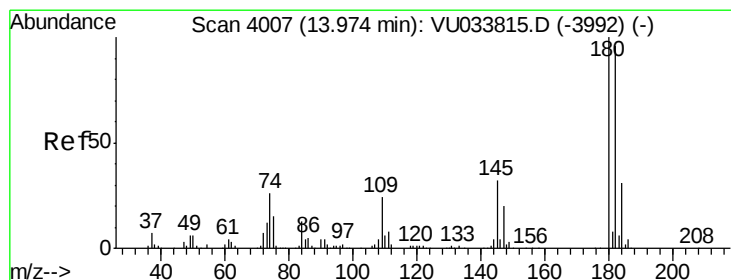
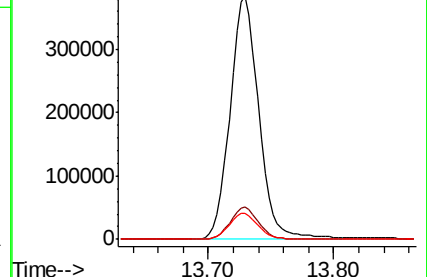
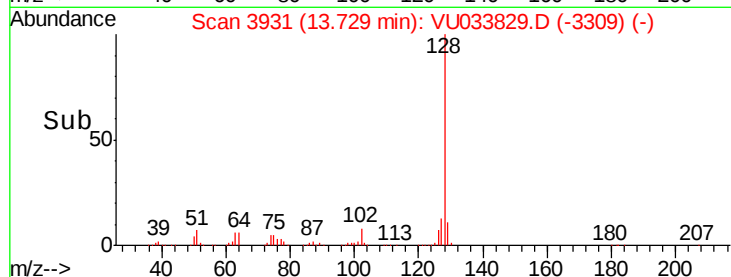
129 10.9 8.6 12.8



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



#70

1,2,3-Trichlorobenzene

Concen: 53.819 ug/L

RT: 13.97 min Scan# 4007

Delta R.T. 0.00 min

Lab File: VU033829.D

Acq: 16 Aug 2019 12:26

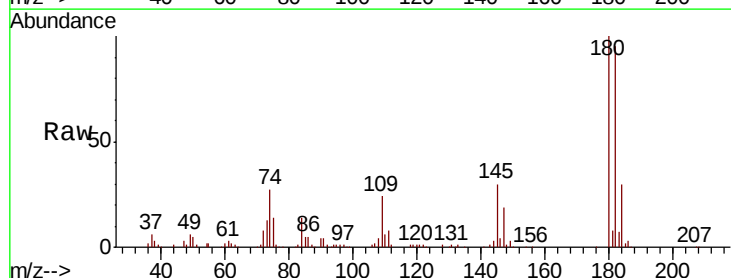
Tgt Ion:180 Resp: 227767

Ion Ratio Lower Upper

180 100

182 95.5 75.9 113.9

145 31.3 24.5 36.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

