

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012829.D
 Acq On : 07 Oct 2019 11:18
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 08 11:09:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	280678	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	251001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	121398	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	106264	43.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.82%	
35) Dibromofluoromethane	5.48	113	83664	50.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.10%	
50) Toluene-d8	8.71	98	318709	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.14	95	126934	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	82251	43.498	ug/l	96
3) Chloromethane	1.32	50	90991	41.906	ug/l	99
4) Vinyl Chloride	1.40	62	97344	45.104	ug/l	98
5) Bromomethane	1.62	94	37677	44.402	ug/l	98
6) Chloroethane	1.70	64	61320	42.146	ug/l	97
7) Trichlorofluoromethane	1.91	101	147442	48.658	ug/l	100
8) Diethyl Ether	2.18	74	58953	47.475	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	98567	53.407	ug/l	96
10) Methyl Iodide	2.50	142	91724	47.455	ug/l	92
11) Tert butyl alcohol	3.04	59	141099	230.766	ug/l	99
12) 1,1-Dichloroethene	2.36	96	92830	51.367	ug/l	99
13) Acrolein	2.28	56	88227	258.659	ug/l	99
14) Allyl chloride	2.71	41	173575	48.410	ug/l	96
15) Acrylonitrile	3.13	53	300303	242.086	ug/l	98
16) Acetone	2.44	43	325511	251.075	ug/l	93
17) Carbon Disulfide	2.56	76	236647	46.709	ug/l	100
18) Methyl Acetate	2.76	43	147746	48.398	ug/l	96
19) Methyl tert-butyl Ether	3.18	73	351828	51.433	ug/l	100
20) Methylene Chloride	2.84	84	108515	49.487	ug/l	94
21) trans-1,2-Dichloroethene	3.15	96	101294	50.593	ug/l	97
22) Diisopropyl ether	3.84	45	341888	49.347	ug/l	92
23) Vinyl Acetate	3.80	43	1491667	245.514	ug/l	96
24) 1,1-Dichloroethane	3.68	63	191569	50.868	ug/l	97
25) 2-Butanone	4.65	43	441046	237.256	ug/l	95
26) 2,2-Dichloropropane	4.57	77	171457	51.190	ug/l	97
27) cis-1,2-Dichloroethene	4.58	96	119627	51.494	ug/l	92
28) Bromochloromethane	5.00	49	63891	46.723	ug/l	93
29) Tetrahydrofuran	5.11	42	258545	228.188	ug/l	94
30) Chloroform	5.20	83	193884	50.321	ug/l	97
31) Cyclohexane	5.56	56	168064	49.329	ug/l	100
32) 1,1,1-Trichloroethane	5.48	97	172001	50.370	ug/l	98
36) 1,1-Dichloropropene	5.79	75	142664	52.732	ug/l	97
37) Ethyl Acetate	4.81	43	157745	49.873	ug/l	96
38) Carbon Tetrachloride	5.77	117	146669	53.368	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	178550	54.821	ug/l	96
40) Benzene	6.13	78	426040	53.521	ug/l	96
41) Methacrylonitrile	5.03	41	88352	49.786	ug/l	94
42) 1,2-Dichloroethane	6.18	62	156738	51.852	ug/l	97
43) Isopropyl Acetate	6.43	43	268570	50.775	ug/l	98
44) Trichloroethene	7.20	130	115341	56.679	ug/l	99
45) 1,2-Dichloropropane	7.50	63	111076	54.503	ug/l	99
46) Dibromomethane	7.65	93	74656	53.803	ug/l	98
47) Bromodichloromethane	7.89	83	151384	54.588	ug/l	99
48) Methyl methacrylate	7.76	41	129211	50.946	ug/l	92
49) 1,4-Dioxane	7.73	88	57650	1002.145	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	813650	249.199	ug/l	95
52) Toluene	8.78	92	273247	54.616	ug/l	99
53) t-1,3-Dichloropropene	9.03	75	172545	56.234	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	186117	55.555	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	111282	55.947	ug/l	99
56) Ethyl methacrylate	9.17	69	182009	54.467	ug/l	90
57) 1,3-Dichloropropane	9.37	76	189723	54.500	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	403620	269.086	ug/l	100
59) 2-Hexanone	9.48	43	644236	257.776	ug/l	93
60) Dibromochloromethane	9.57	129	119392	59.296	ug/l	99
61) 1,2-Dibromoethane	9.67	107	116143	56.106	ug/l	99
64) Tetrachloroethene	9.33	164	102856	58.774	ug/l	95
65) Chlorobenzene	10.14	112	289215	54.718	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	109497	57.176	ug/l	99
67) Ethyl Benzene	10.25	91	529490	55.232	ug/l	100
68) m/p-Xylenes	10.35	106	401442	111.786	ug/l	99
69) o-Xylene	10.70	106	195898	56.375	ug/l	98
70) Styrene	10.71	104	337974	58.018	ug/l	98
71) Bromoform	10.85	173	82368	61.769	ug/l #	99
73) Isopropylbenzene	11.01	105	521022	52.695	ug/l	99
74) N-amyl acetate	10.89	43	240121	50.905	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	169039	51.621	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	201084	62.618	ug/l	86
77) Bromobenzene	11.25	156	121436	54.266	ug/l	99
78) n-propylbenzene	11.35	91	576514	51.791	ug/l	100
79) 2-Chlorotoluene	11.42	91	354474	51.047	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	438400	52.874	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	59740	53.313	ug/l	92
82) 4-Chlorotoluene	11.51	91	418773	52.903	ug/l	99
83) tert-Butylbenzene	11.77	119	427540	53.454	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	445517	53.264	ug/l	99
85) sec-Butylbenzene	11.94	105	512656	55.108	ug/l	99
86) p-Isopropyltoluene	12.06	119	473933	56.460	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	228953	56.852	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	226644	55.694	ug/l	100
89) n-Butylbenzene	12.38	91	406966	55.019	ug/l	100
90) Hexachloroethane	12.59	117	82986	55.453	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	222052	55.075	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	40981	50.030	ug/l	94

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration

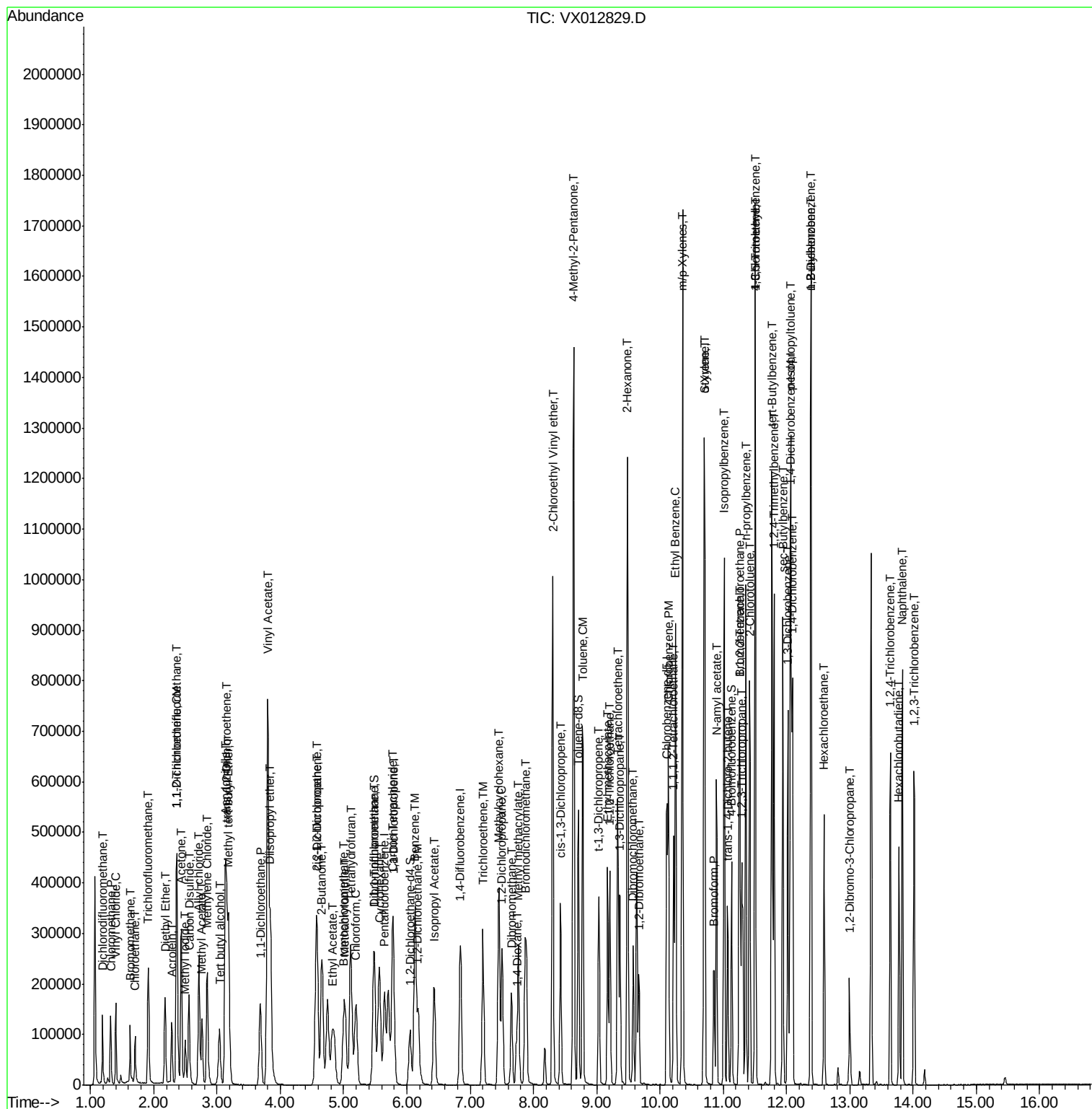
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	148711	60.481	ug/l	98
94) Hexachlorobutadiene	13.78	225	65432	61.858	ug/l	99
95) Naphthalene	13.83	128	482686	54.259	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	145750	59.175	ug/l	99

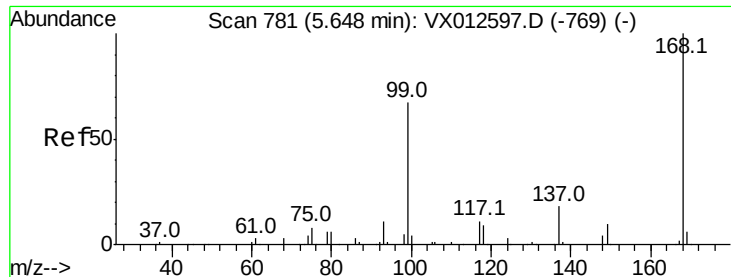
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

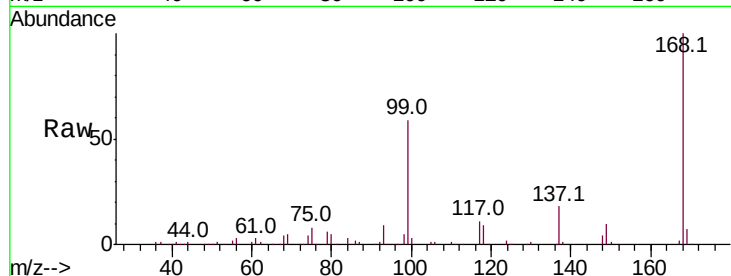
VSTDCCC050

Tot Ion:168 Resp: 168085

Ion Ratio Lower Upper

168 100

99 58.9 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

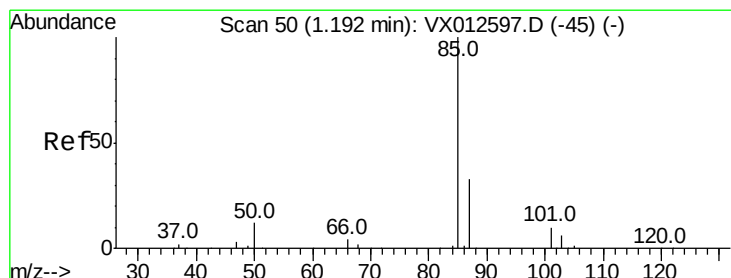
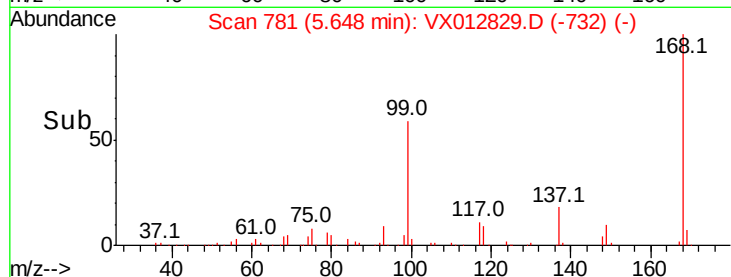
40000

20000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: 43.498 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX012829.D

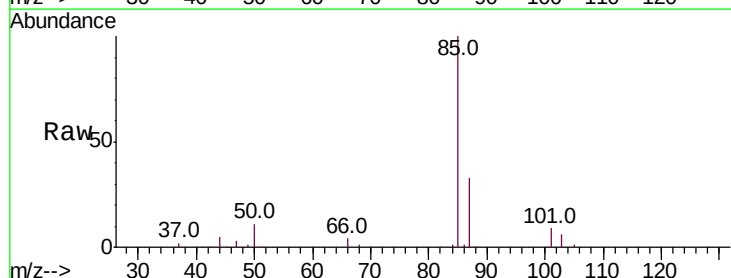
Acq: 07 Oct 2019 11:18

Tgt Ion: 85 Resp: 82251

Ion Ratio Lower Upper

85 100

87 33.3 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

80000

60000

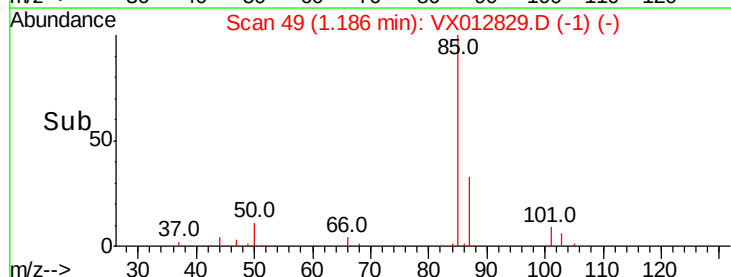
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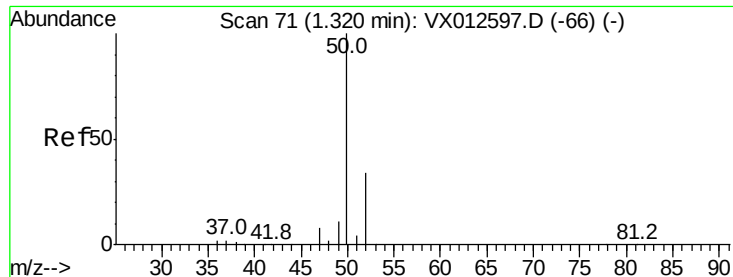
20000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 41.906 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

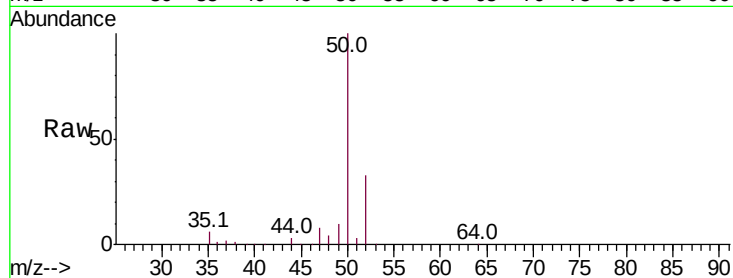
VSTDCCC050

Tot Ion: 50 Resp: 90991

Ion Ratio Lower Upper

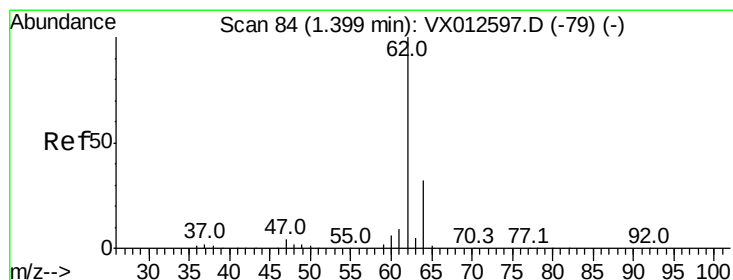
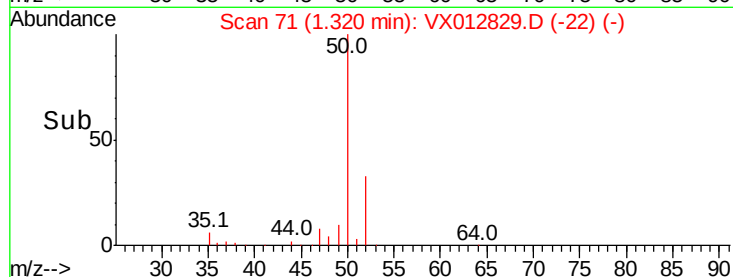
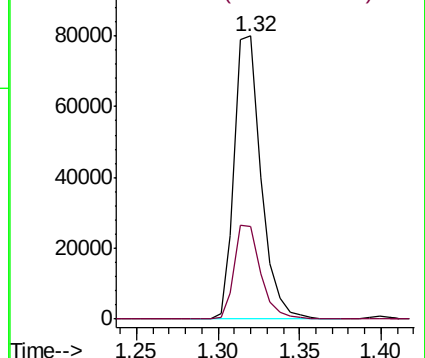
50 100

52 32.6 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.104 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012829.D

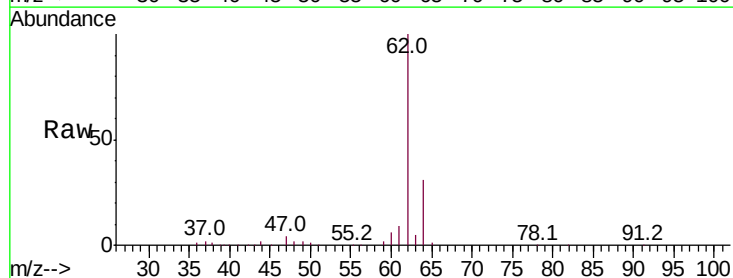
Acq: 07 Oct 2019 11:18

Tgt Ion: 62 Resp: 97344

Ion Ratio Lower Upper

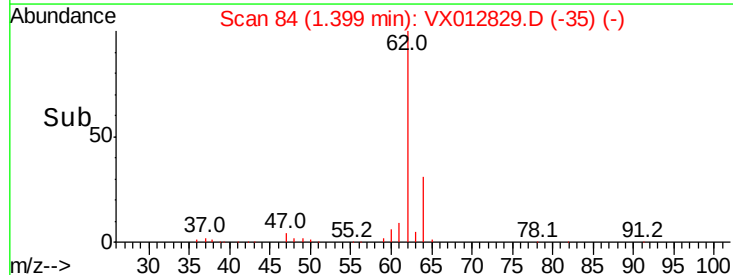
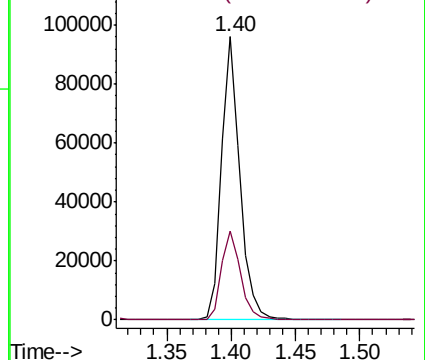
62 100

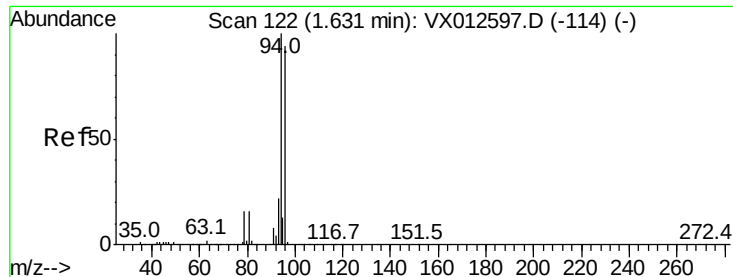
64 31.4 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.402 ug/l

RT: 1.62 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX012829.D

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ClientSampleId :

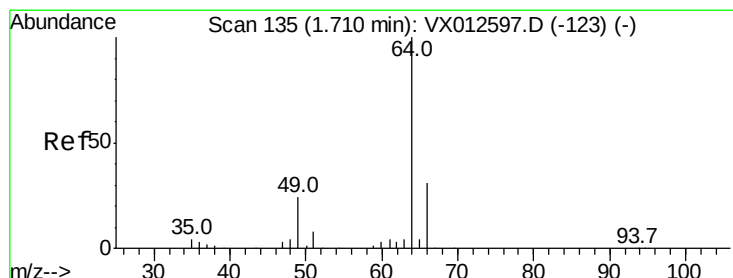
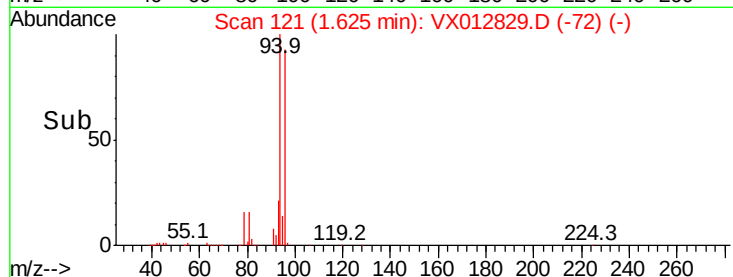
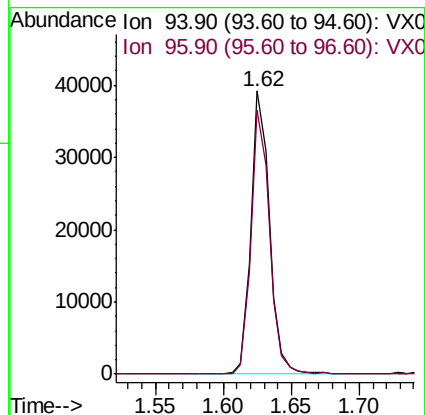
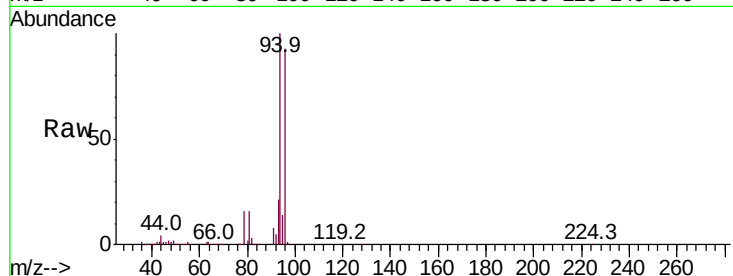
VSTDCCC050

Tot Ion: 94 Resp: 37677

Ion Ratio Lower Upper

94 100

96 93.1 72.8 109.2



#6

Chloroethane

Concen: 42.146 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX012829.D

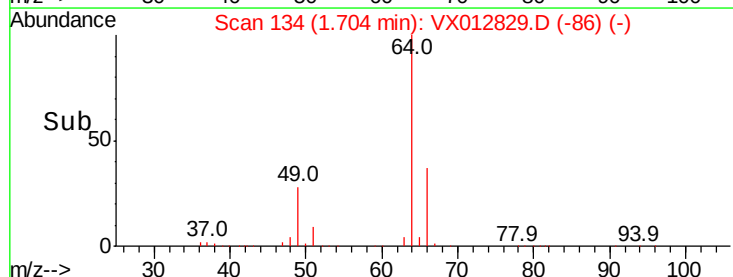
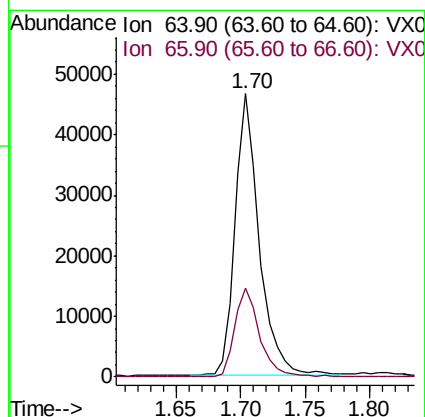
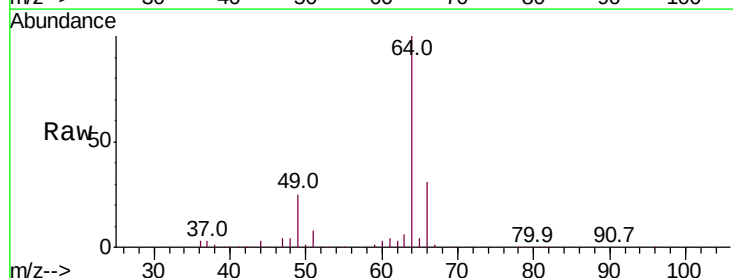
Acq: 07 Oct 2019 11:18

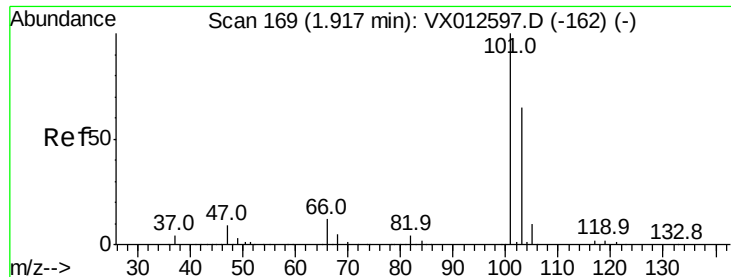
Tgt Ion: 64 Resp: 61320

Ion Ratio Lower Upper

64 100

66 31.4 24.0 36.0



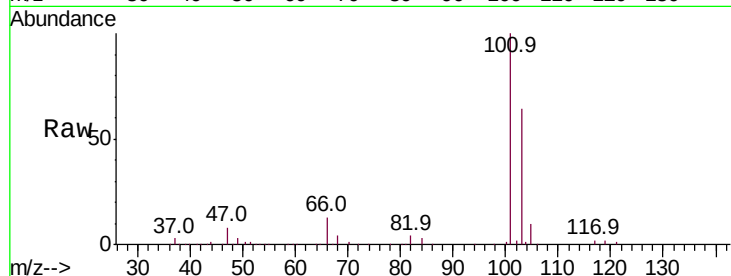


#7

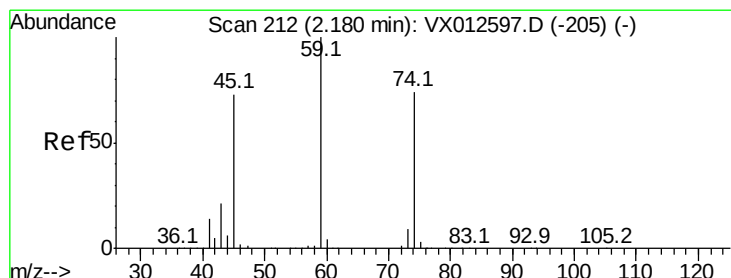
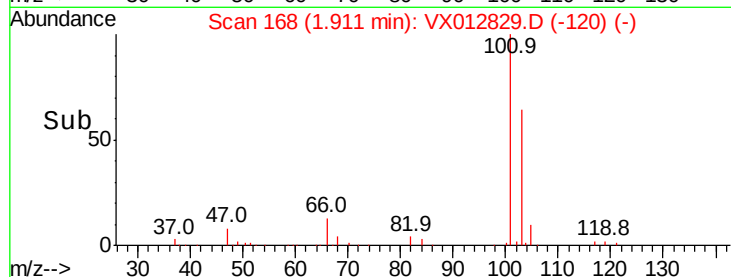
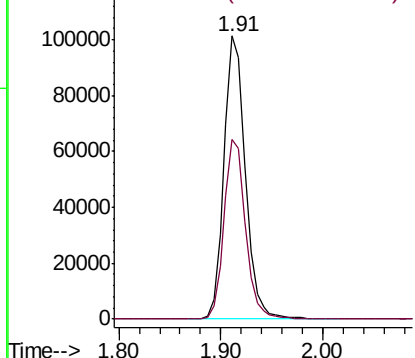
Trichlorofluoromethane
Concen: 48.658 ug/l
RT: 1.91 min Scan# 168
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 147442
Ion Ratio Lower Upper
101 100
103 63.7 51.0 76.4



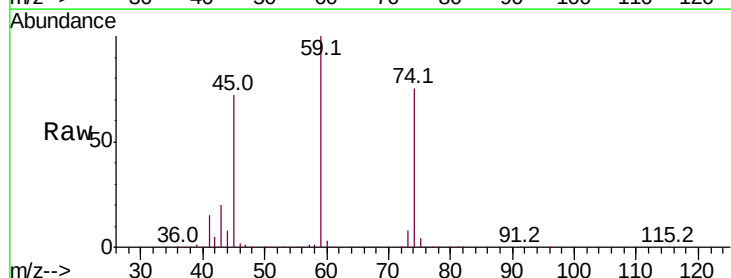
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



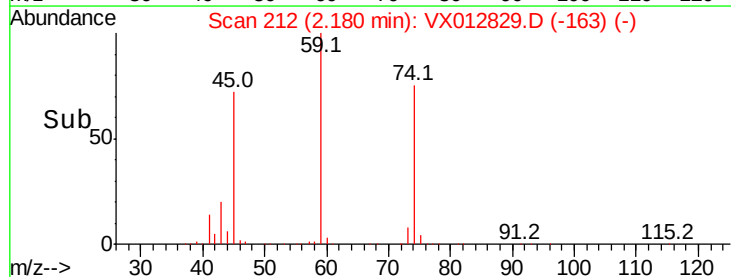
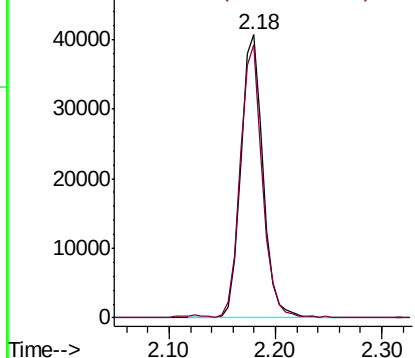
#8

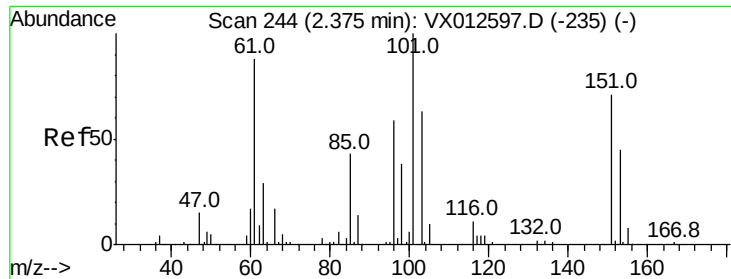
Diethyl Ether
Concen: 47.475 ug/l
RT: 2.18 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX012829.D
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Tgt Ion: 74 Resp: 58953
Ion Ratio Lower Upper
74 100
45 96.1 49.9 149.7



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0

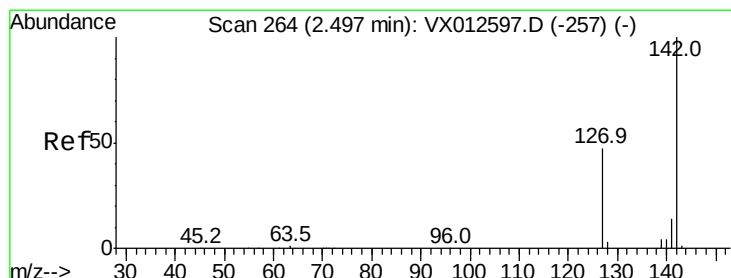
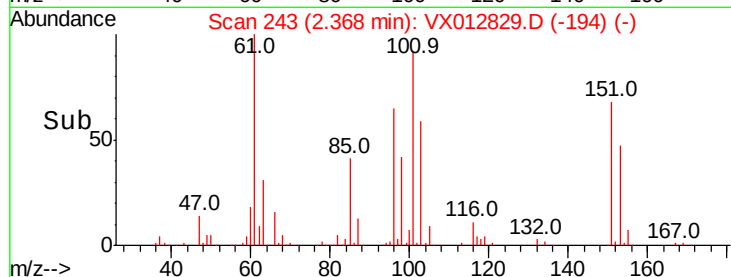
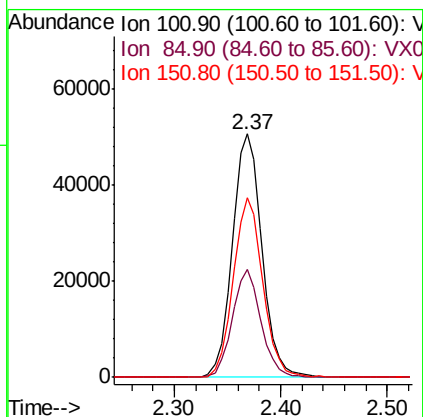
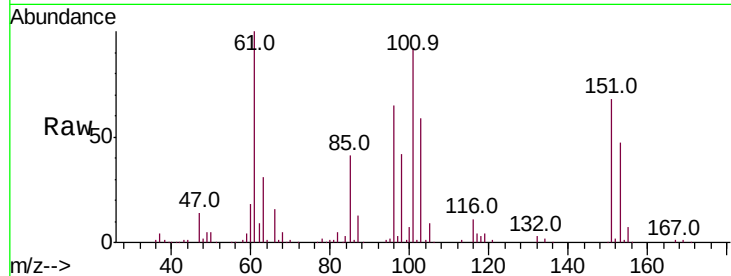




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 53.407 ug/l
 RT: 2.37 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

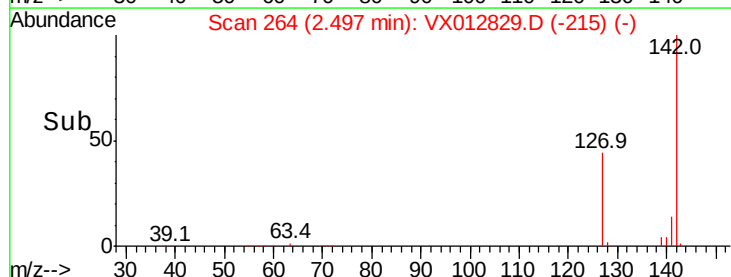
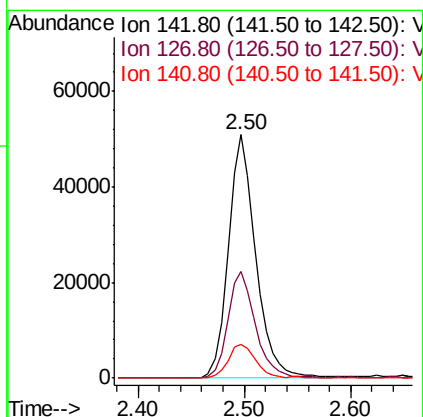
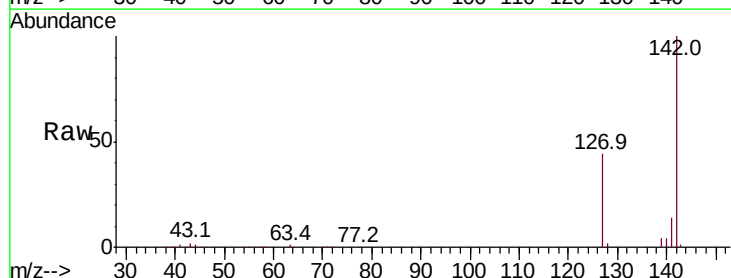
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

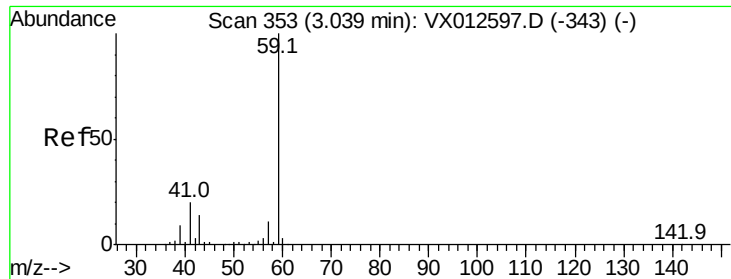
Tot Ion	Ratio	Lower	Upper
101	100		
85	43.0	37.3	55.9
151	73.7	61.0	91.4



#10
 Methyl Iodide
 Concen: 47.455 ug/l
 RT: 2.50 min Scan# 264
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
142	100		
127	44.0	40.8	61.2
141	14.4	12.1	18.1



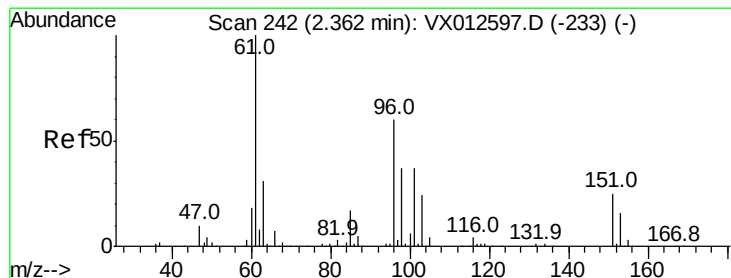
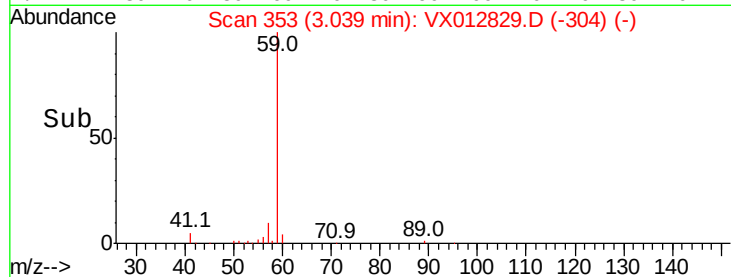
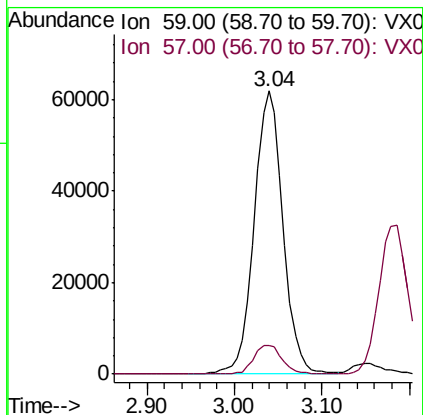
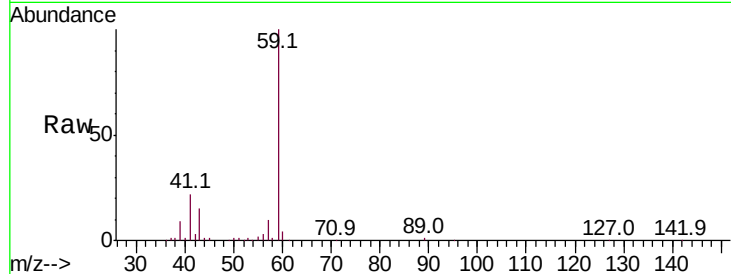


#11

Tert butyl alcohol
 Concen: 230.766 ug/l
 RT: 3.04 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

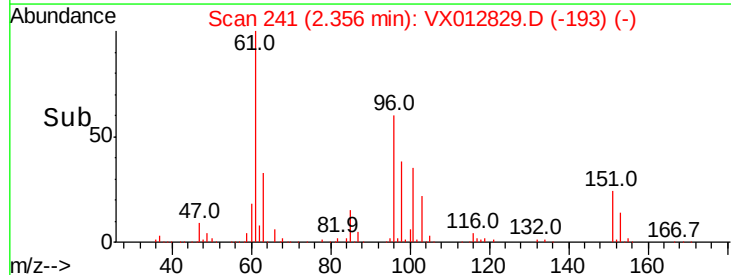
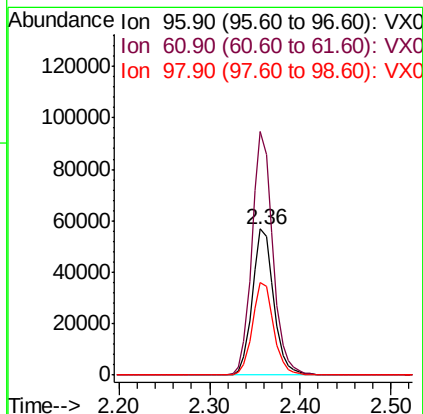
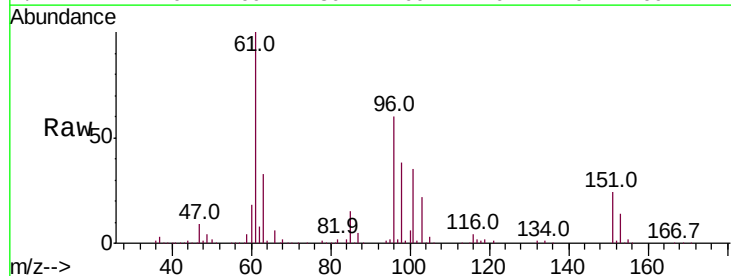
Tot Ion: 59 Resp: 141099
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.3 12.5

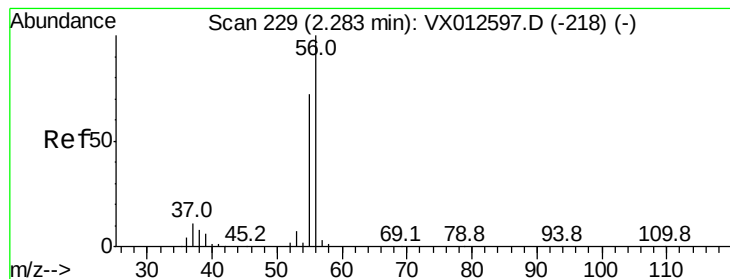


#12

1,1-Dichloroethene
 Concen: 51.367 ug/l
 RT: 2.36 min Scan# 241
 Delta R.T. -0.01 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion: 96 Resp: 92830
 Ion Ratio Lower Upper
 96 100
 61 166.6 133.8 200.6
 98 63.0 49.9 74.9





#13

Acrolein

Concen: 258.659 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

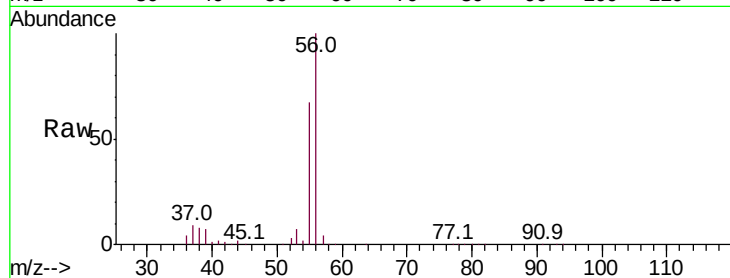
VSTDCCC050

Tot Ion: 56 Resp: 88227

Ion Ratio Lower Upper

56 100

55 69.1 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.28

60000

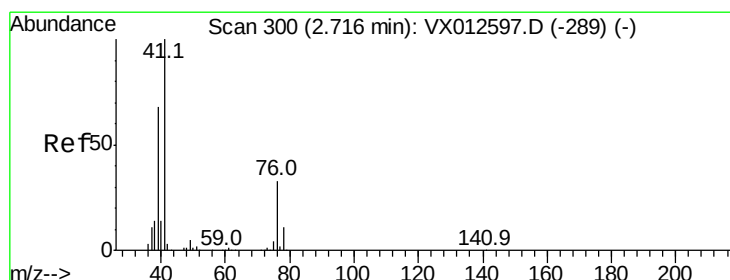
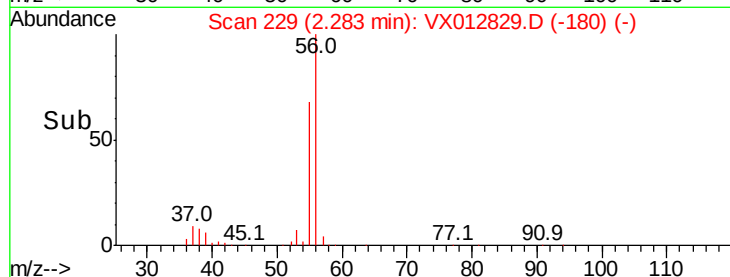
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Allyl chloride

Concen: 48.410 ug/l

RT: 2.71 min Scan# 299

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

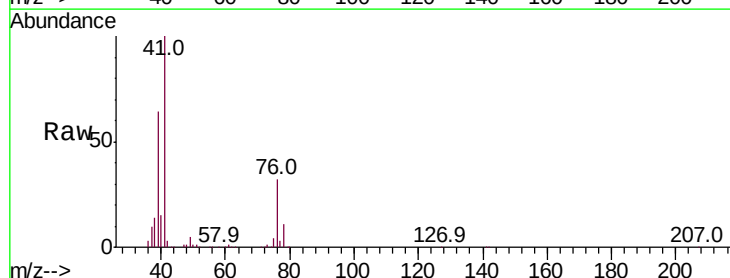
Tgt Ion: 41 Resp: 173575

Ion Ratio Lower Upper

41 100

39 62.6 51.3 76.9

76 32.8 22.6 33.8



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

120000

100000

80000

60000

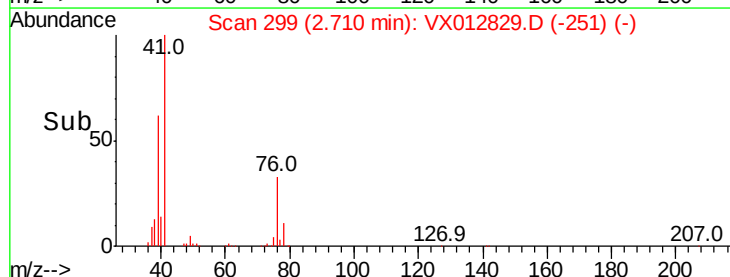
40000

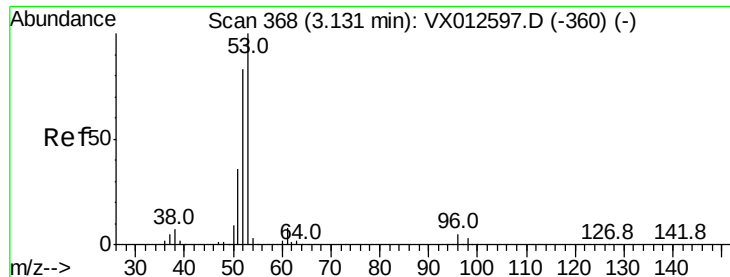
20000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 242.086 ug/l

RT: 3.13 min Scan# 368

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

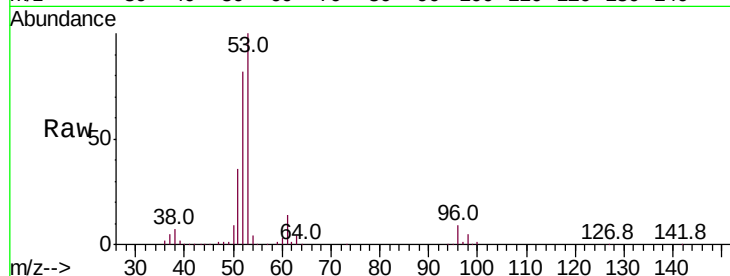
Tot Ion: 53 Resp: 300303

Ion Ratio Lower Upper

53 100

52 81.9 67.0 100.4

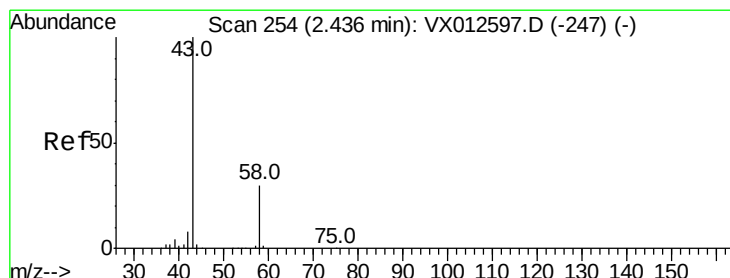
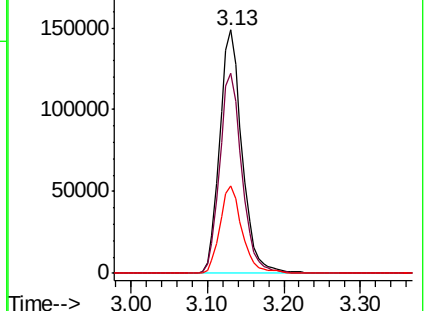
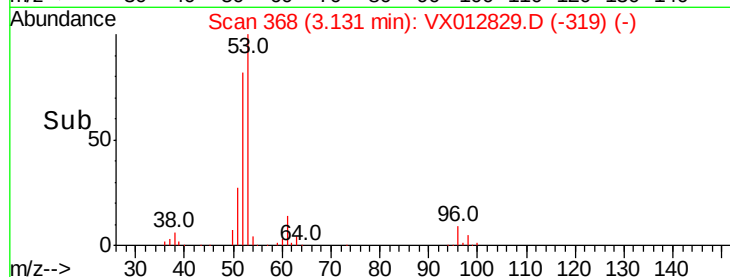
51 35.7 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 251.075 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012829.D

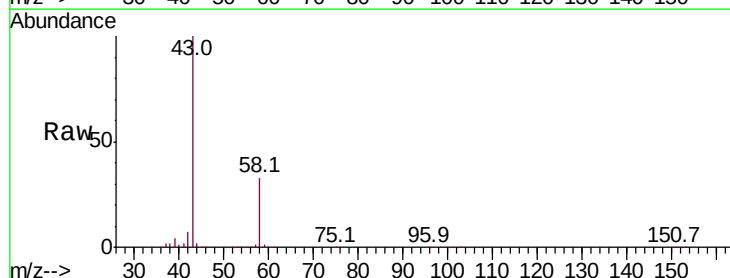
Acq: 07 Oct 2019 11:18

Tgt Ion: 43 Resp: 325511

Ion Ratio Lower Upper

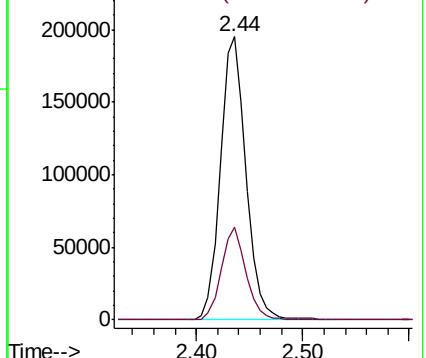
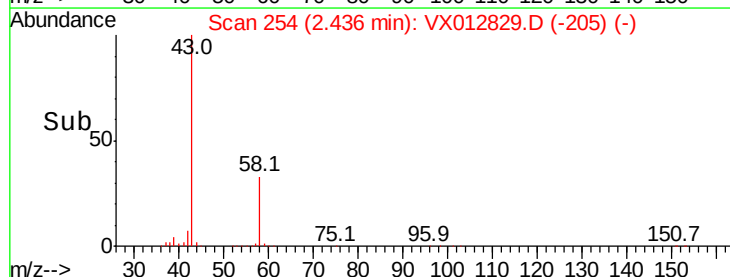
43 100

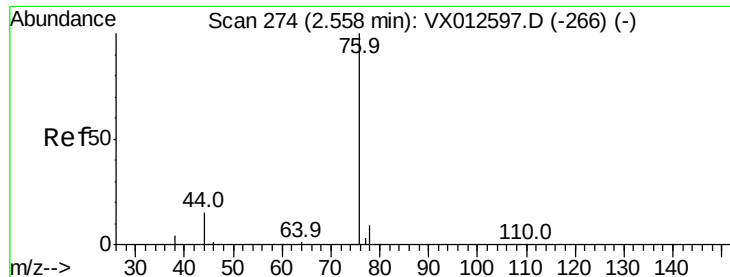
58 32.7 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 46.709 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

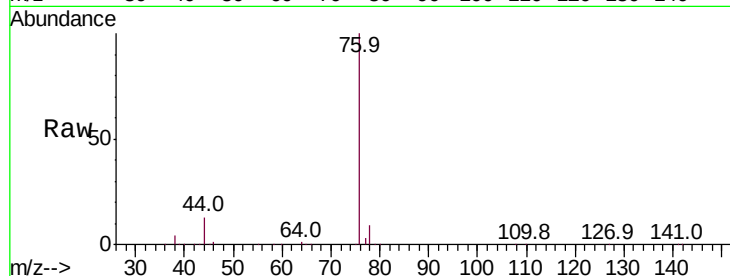
VSTDCCC050

Tot Ion: 76 Resp: 236647

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

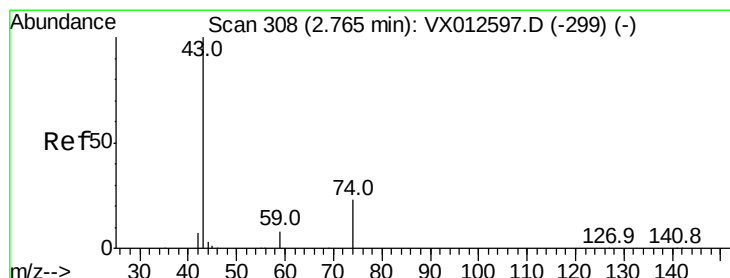
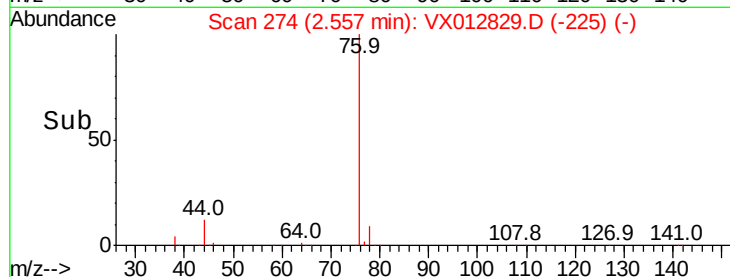
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.398 ug/l

RT: 2.76 min Scan# 307

Delta R.T. -0.01 min

Lab File: VX012829.D

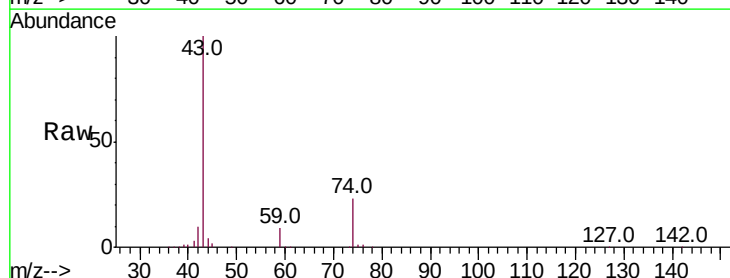
Acq: 07 Oct 2019 11:18

Tgt Ion: 43 Resp: 147746

Ion Ratio Lower Upper

43 100

74 23.8 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.76

100000

80000

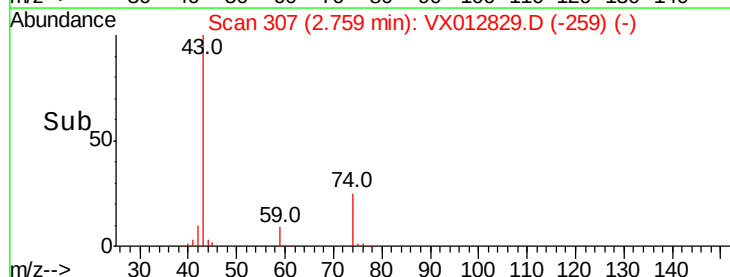
60000

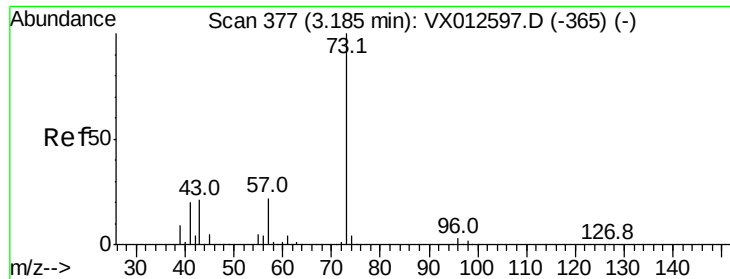
40000

20000

0

Time-->

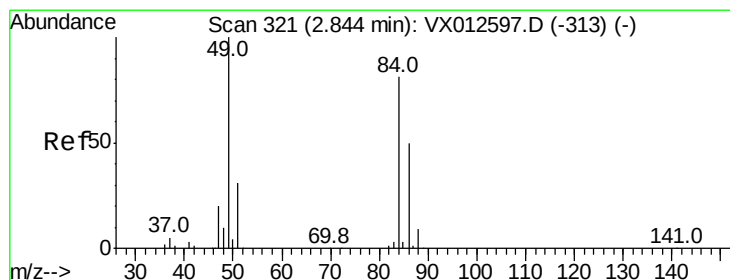
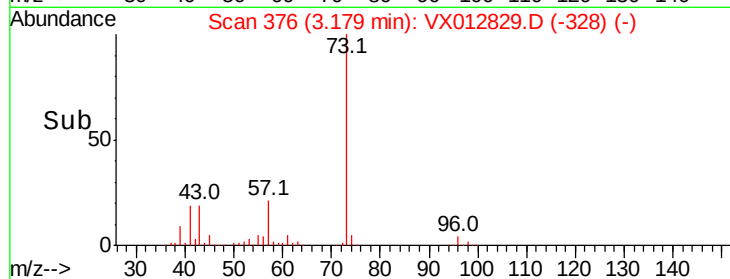
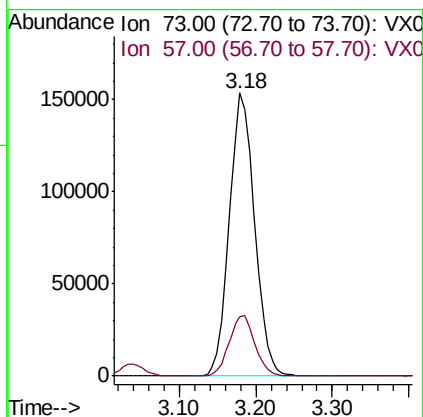
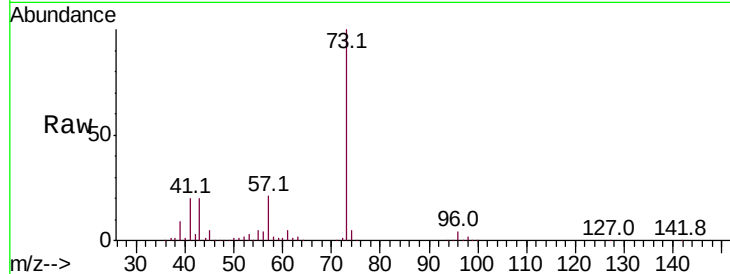




#19
Methvl tert-butvl Ether
Concen: 51.433 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

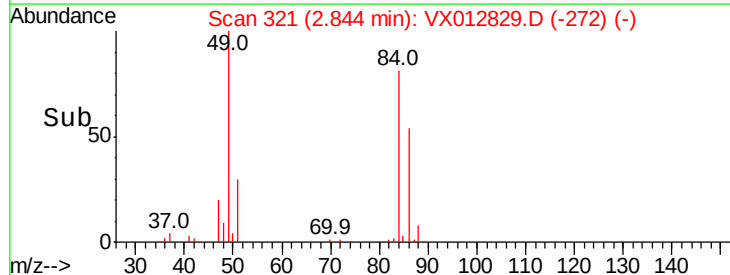
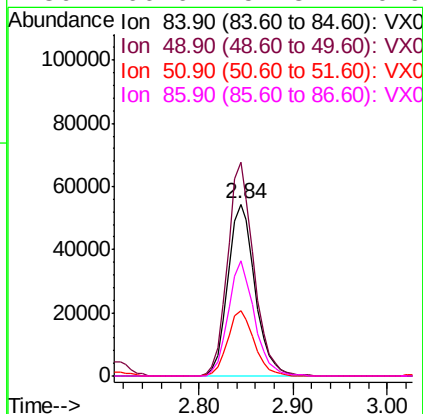
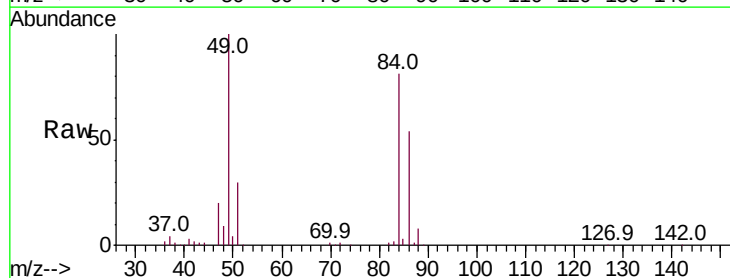
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

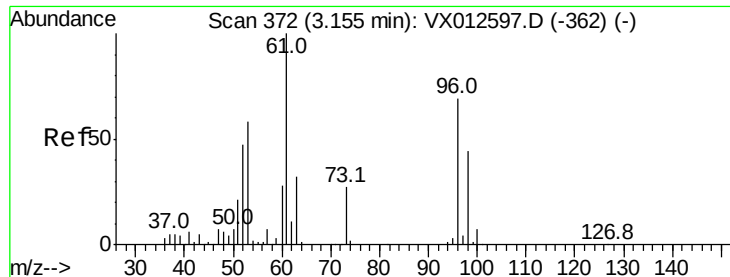
Tot Ion: 73 Resp: 351828
Ion Ratio Lower Upper
73 100
57 21.1 16.8 25.2



#20
Methylene Chloride
Concen: 49.487 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion: 84 Resp: 108515
Ion Ratio Lower Upper
84 100
49 124.1 106.8 160.2
51 37.6 32.3 48.5
86 66.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 50.593 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

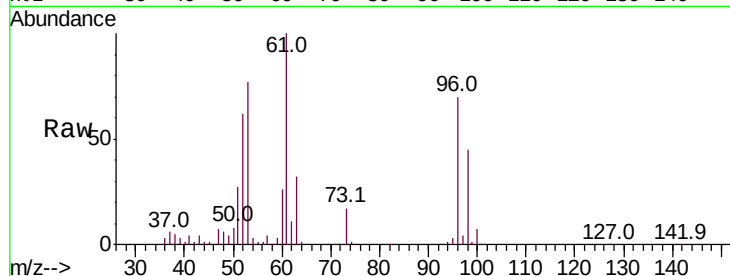
Tot Ion: 96 Resp: 101294

Ion Ratio Lower Upper

96 100

61 142.5 112.0 168.0

98 64.5 47.8 71.8



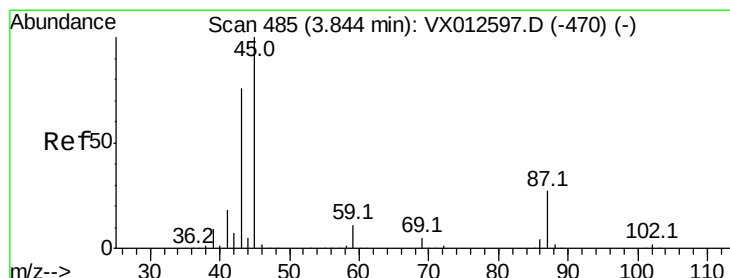
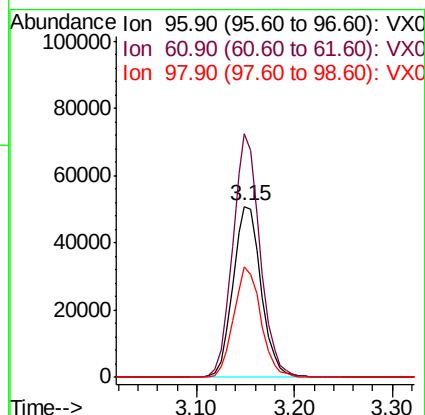
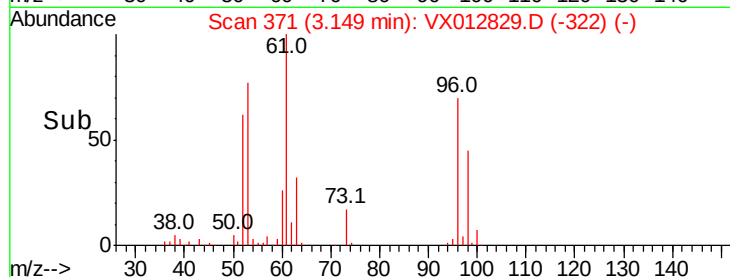
Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Time-->



#22

Diisopropyl ether

Concen: 49.347 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Tgt Ion: 45 Resp: 341888

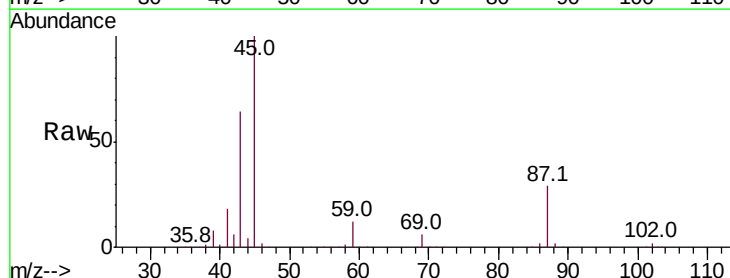
Ion Ratio Lower Upper

45 100

43 63.6 57.8 86.8

87 28.7 21.3 31.9

59 11.8 8.5 12.7



Abundance

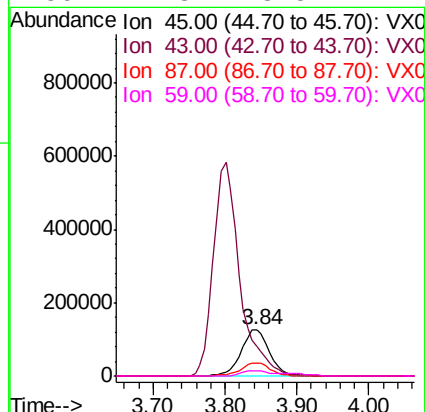
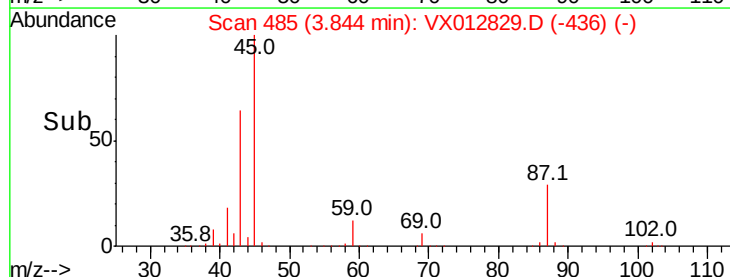
Ion 45.00 (44.70 to 45.70): VX0

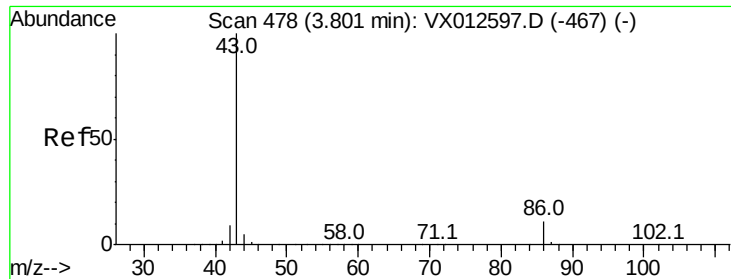
Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

Time-->





#23

Vinyl Acetate

Concen: 245.514 ug/l

RT: 3.80 min Scan# 478

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

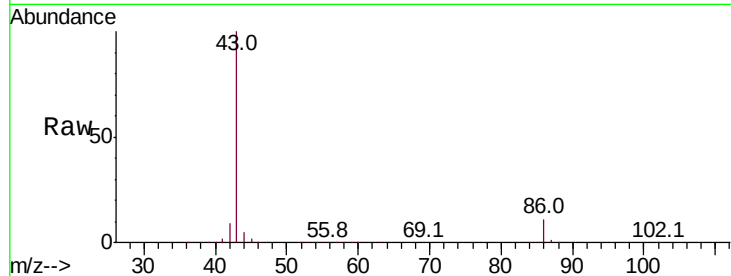
VSTDCCC050

Tot Ion: 43 Resp: 1491667

Ion Ratio Lower Upper

43 100

86 11.2 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

600000

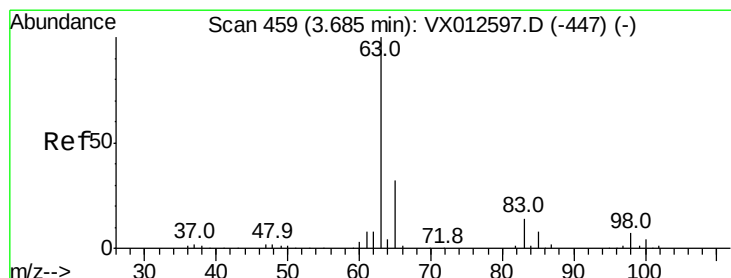
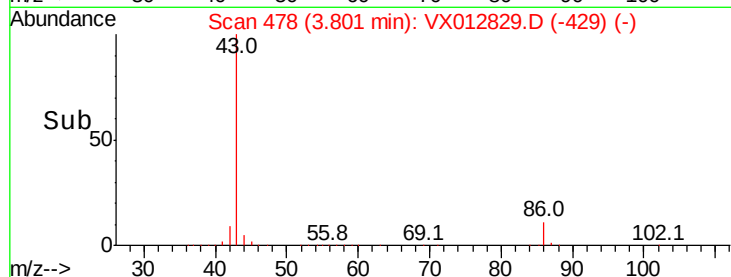
400000

200000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.868 ug/l

RT: 3.68 min Scan# 458

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

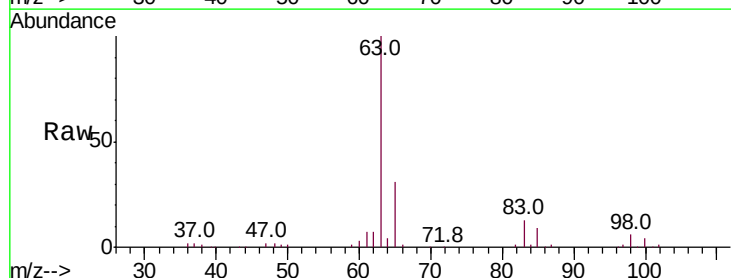
Tgt Ion: 63 Resp: 191569

Ion Ratio Lower Upper

63 100

98 6.4 3.9 11.7

100 4.3 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

100000

80000

60000

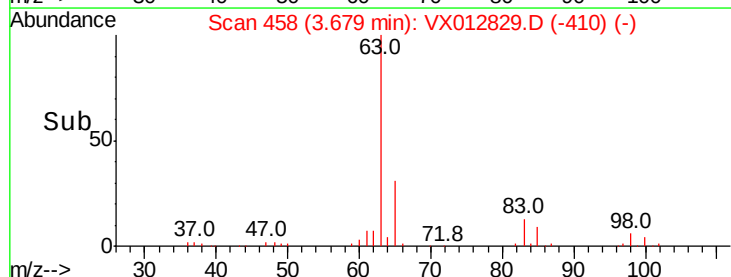
40000

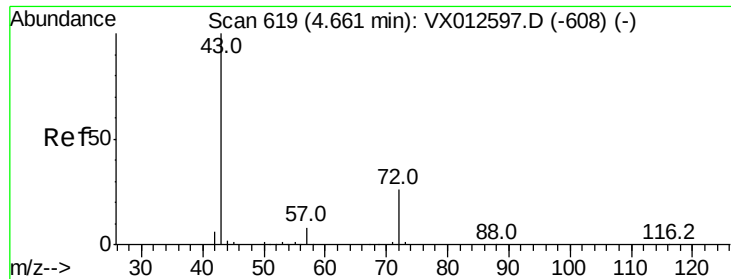
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 237.256 ug/l

RT: 4.65 min Scan# 618

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

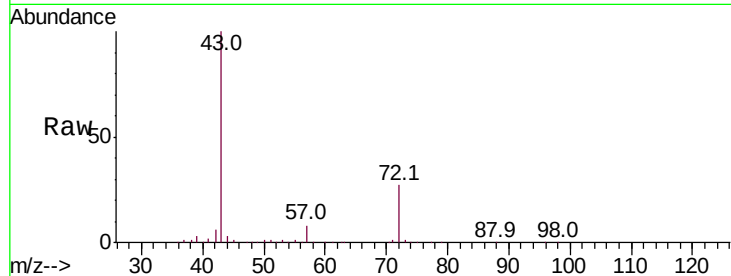
VSTDCCC050

Tot Ion: 43 Resp: 441046

Ion Ratio Lower Upper

43 100

72 26.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.65

150000

100000

50000

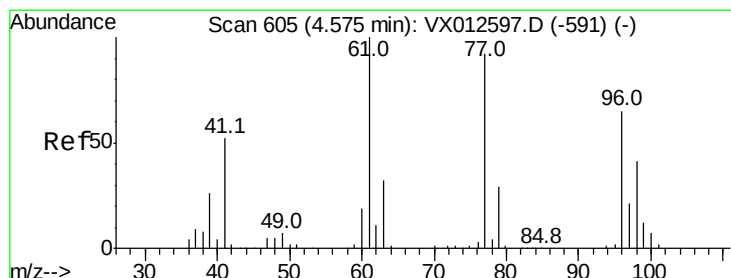
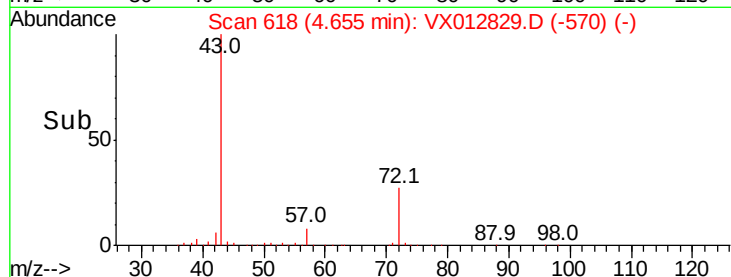
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 51.190 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX012829.D

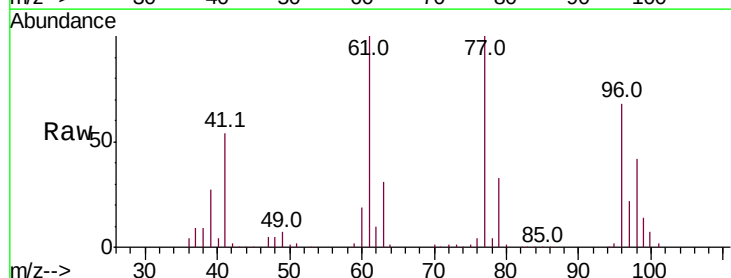
Acq: 07 Oct 2019 11:18

Tgt Ion: 77 Resp: 171457

Ion Ratio Lower Upper

77 100

97 22.4 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.57

60000

50000

40000

30000

20000

10000

0

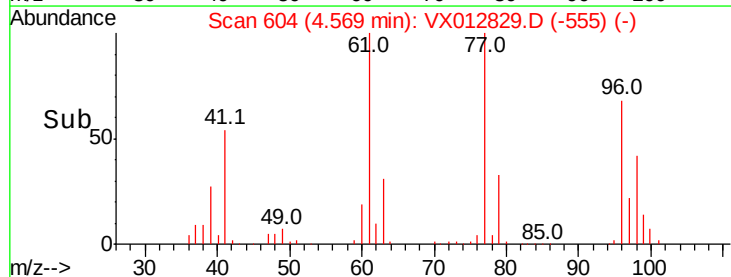
4.40

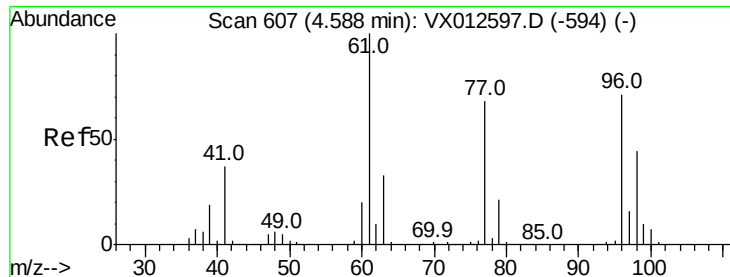
4.50

4.60

4.70

Time-->



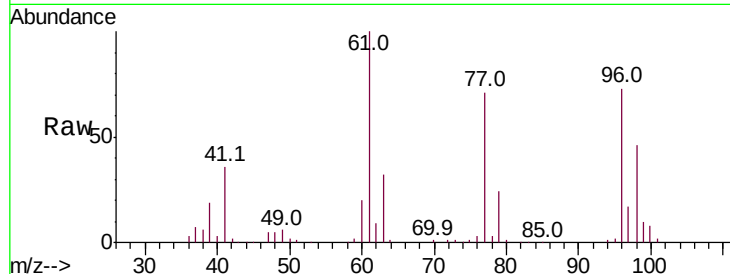


#27

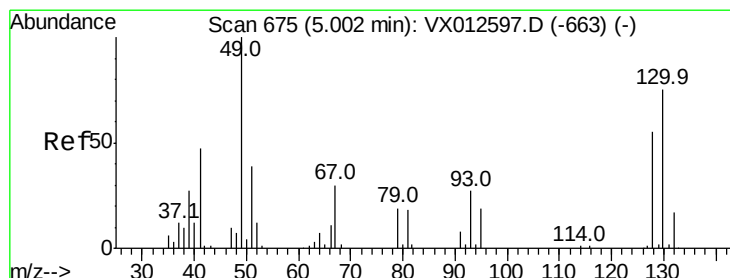
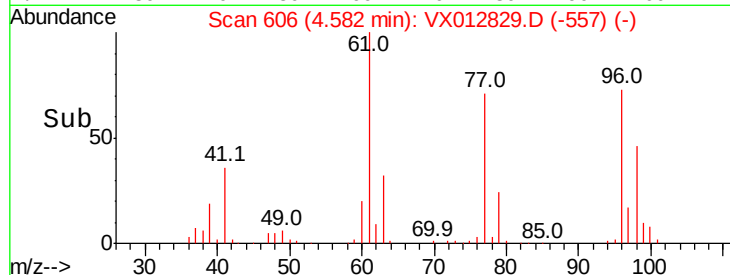
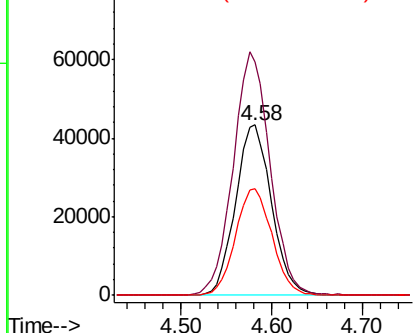
cis-1,2-Dichloroethene
Concen: 51.494 ug/l
RT: 4.58 min Scan# 606
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 119627
Ion Ratio Lower Upper
96 100
61 146.7 0.0 319.4
98 63.7 0.0 130.6



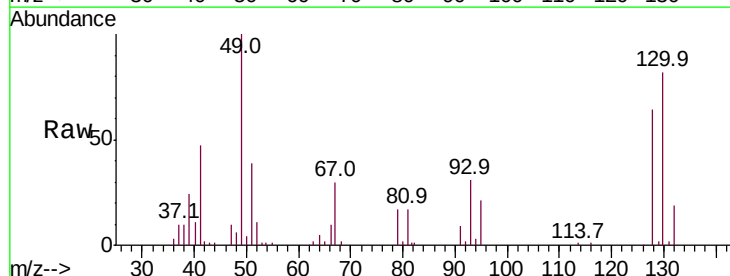
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



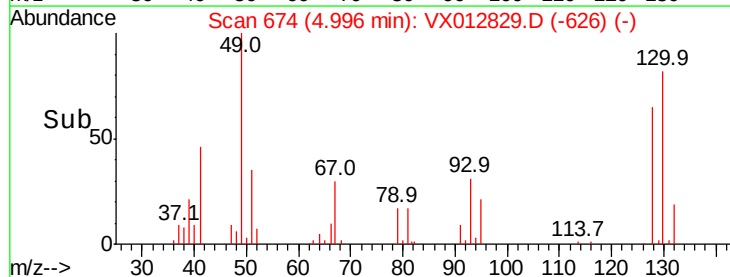
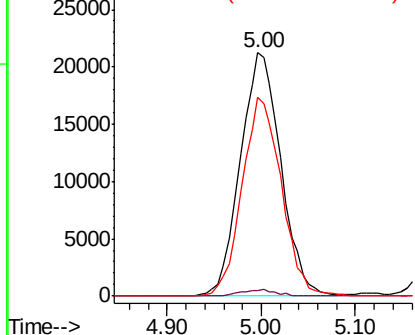
#28

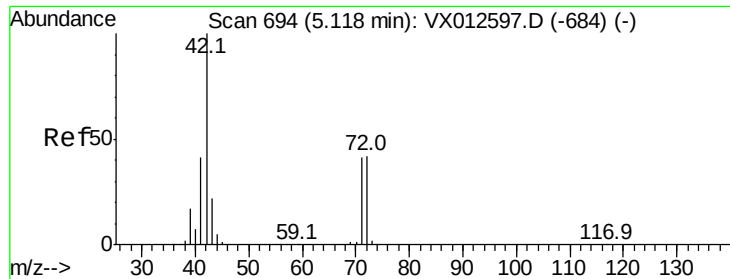
Bromochloromethane
Concen: 46.723 ug/l
RT: 5.00 min Scan# 674
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion: 49 Resp: 63891
Ion Ratio Lower Upper
49 100
129 2.2 0.0 3.8
130 79.1 58.2 87.4



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 228.188 ug/l

RT: 5.11 min Scan# 693

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

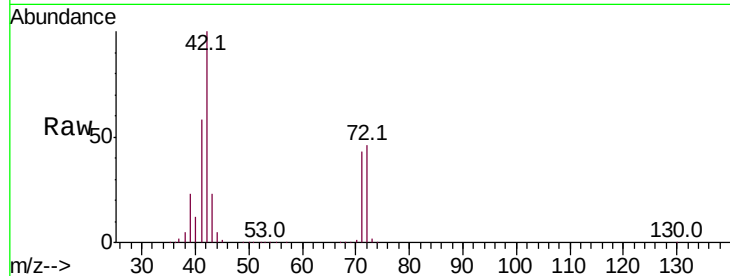
Tot Ion: 42 Resp: 258545

Ion Ratio Lower Upper

42 100

72 45.9 34.0 51.0

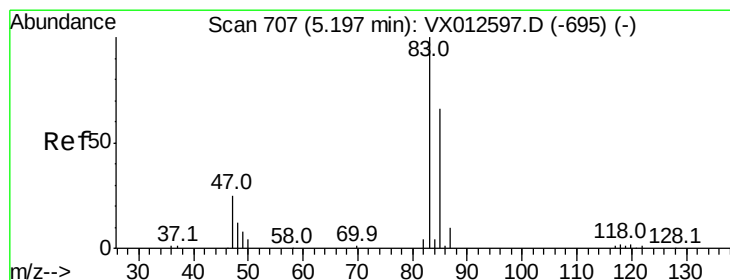
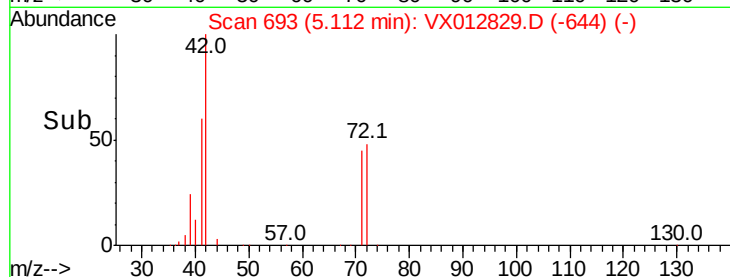
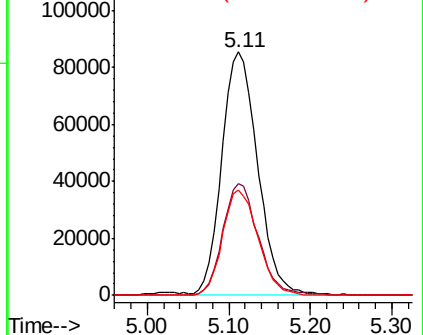
71 43.1 31.5 47.3



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 50.321 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX012829.D

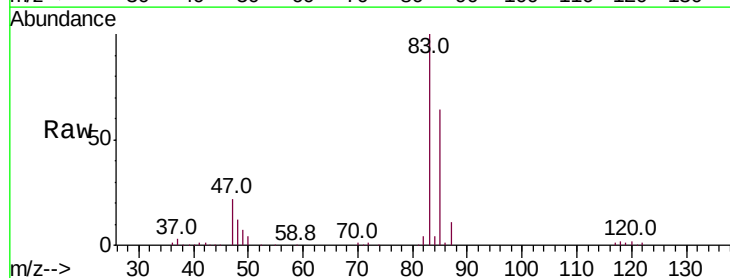
Acq: 07 Oct 2019 11:18

Tgt Ion: 83 Resp: 193884

Ion Ratio Lower Upper

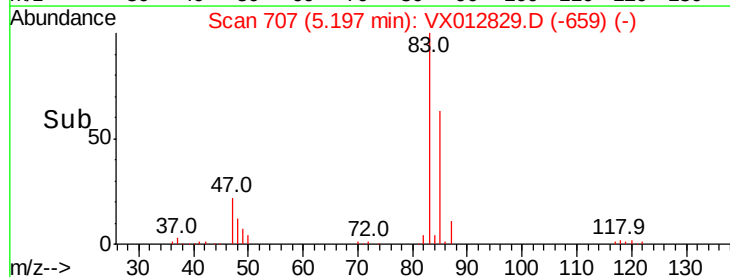
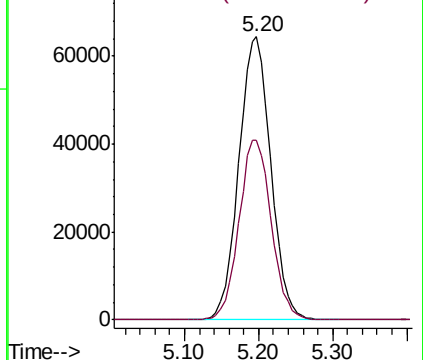
83 100

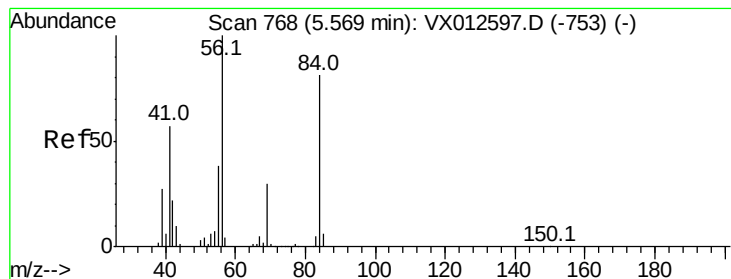
85 63.6 53.0 79.4



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 49.329 ug/l

RT: 5.56 min Scan# 766

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

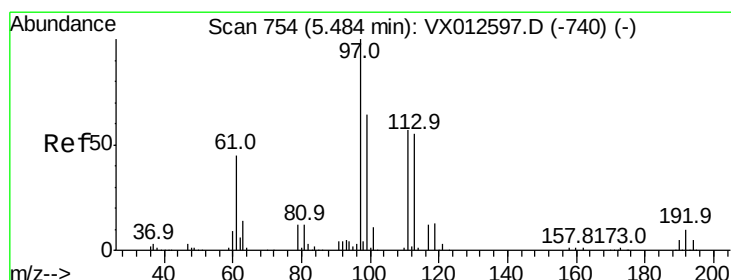
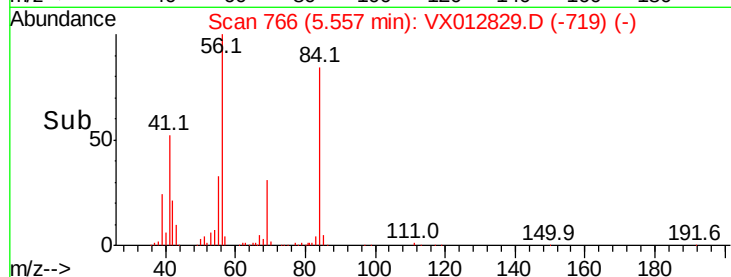
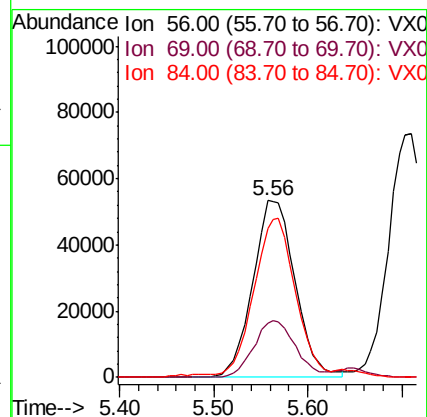
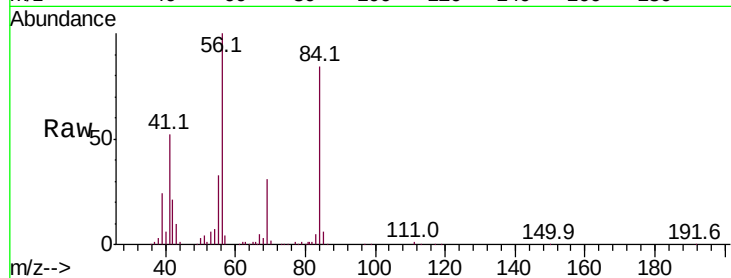
Tot Ion: 56 Resp: 168064

Ion Ratio Lower Upper

56 100

69 31.0 25.0 37.6

84 82.7 66.4 99.6



#32

1,1,1-Trichloroethane

Concen: 50.370 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

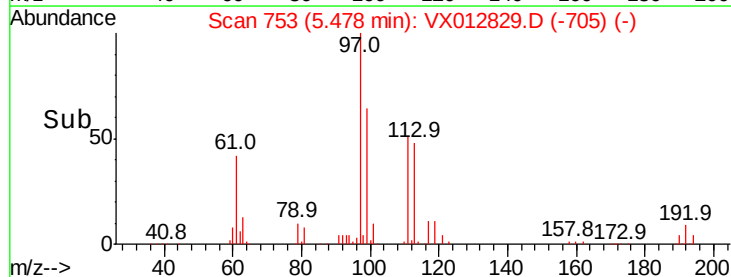
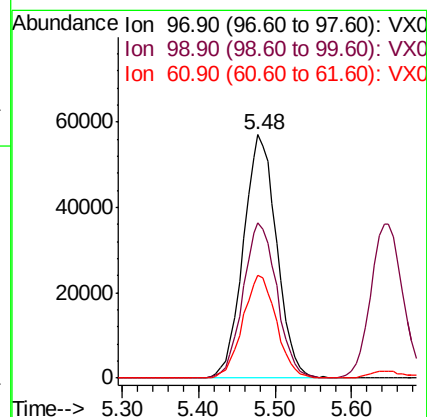
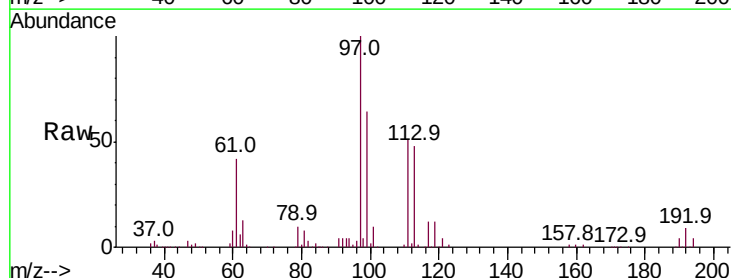
Tgt Ion: 97 Resp: 172001

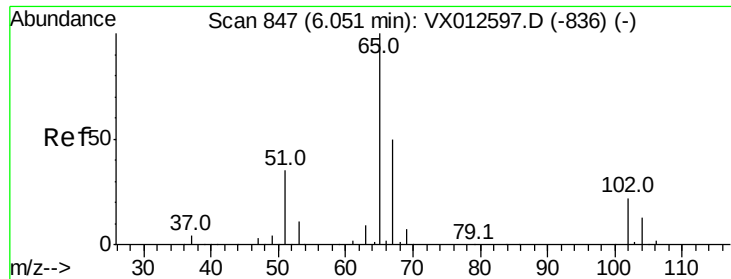
Ion Ratio Lower Upper

97 100

99 64.9 51.3 76.9

61 42.7 36.1 54.1

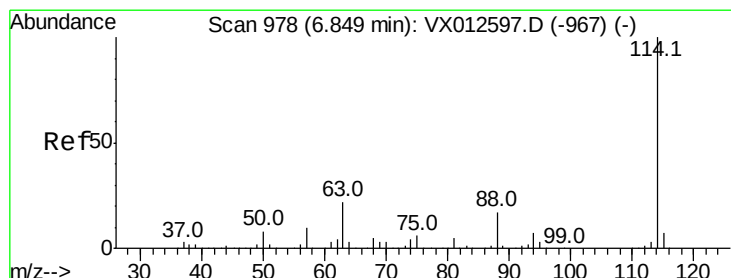
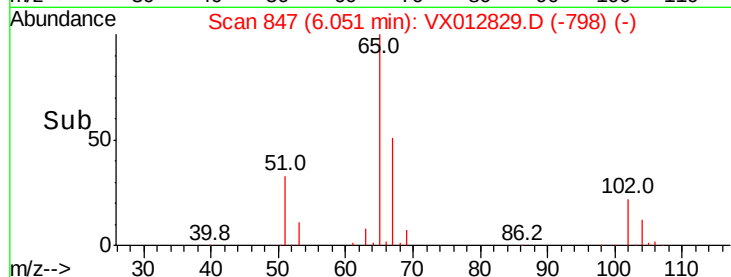
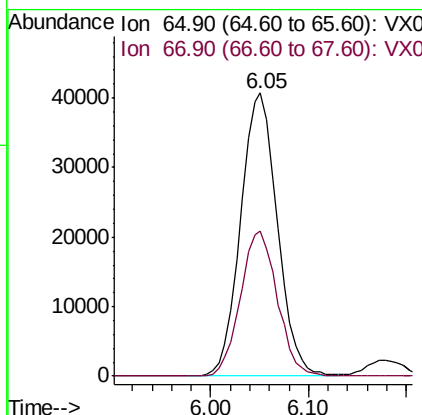
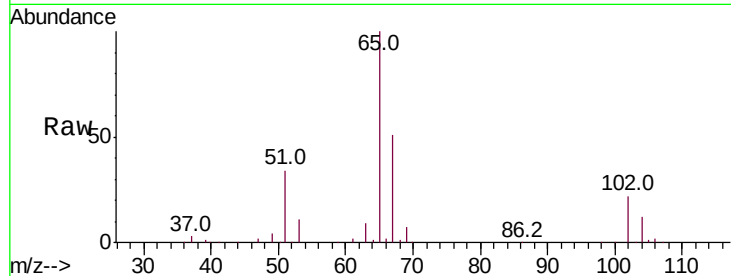




#33
 1,2-Dichloroethane-d4
 Concen: 43.415 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

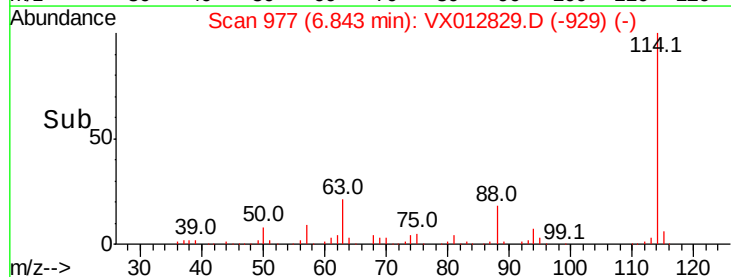
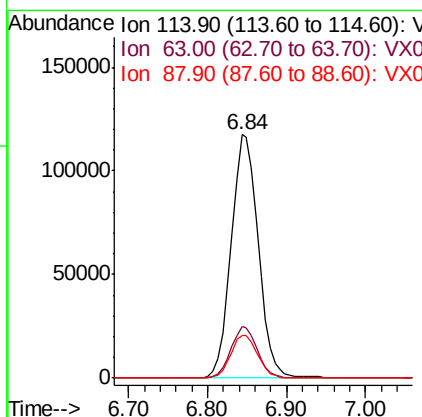
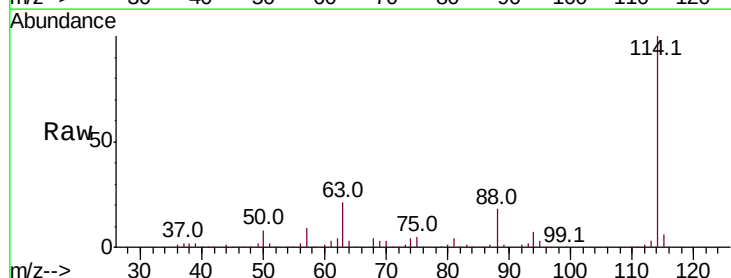
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

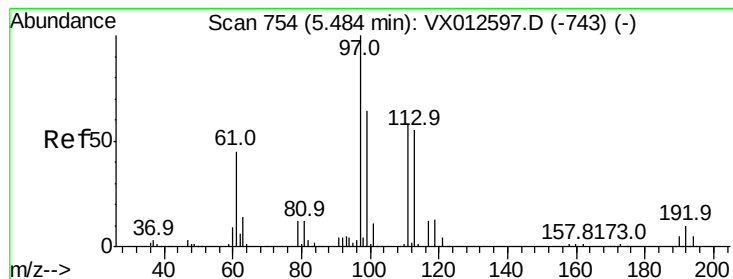
Tot Ion: 65 Resp: 106264
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion: 114 Resp: 280678
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 17.6 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.052 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

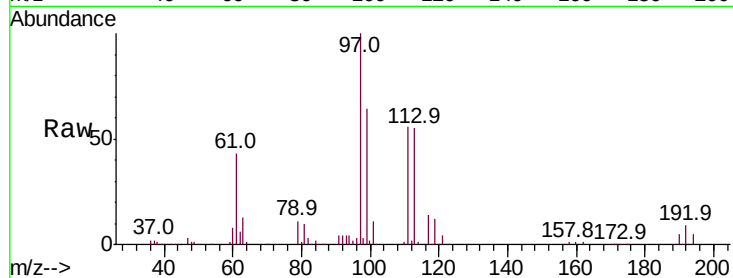
Tot Ion:113 Resp: 83664

Ion Ratio Lower Upper

113 100

111 102.9 83.4 125.2

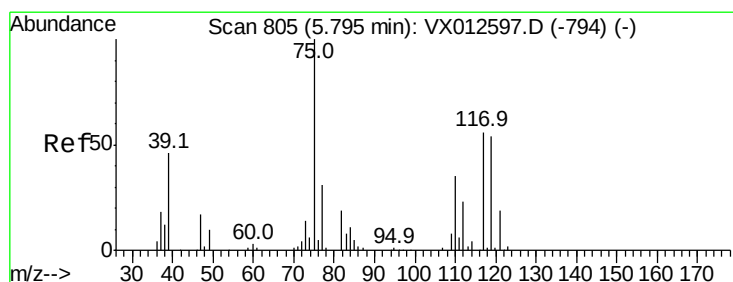
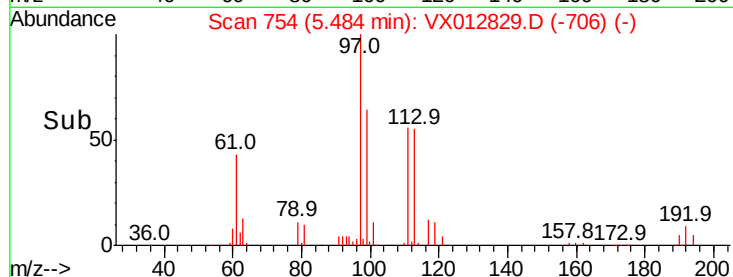
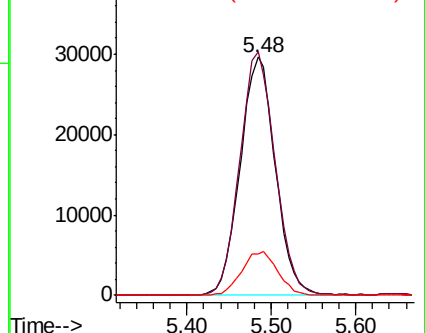
192 18.9 14.4 21.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.732 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

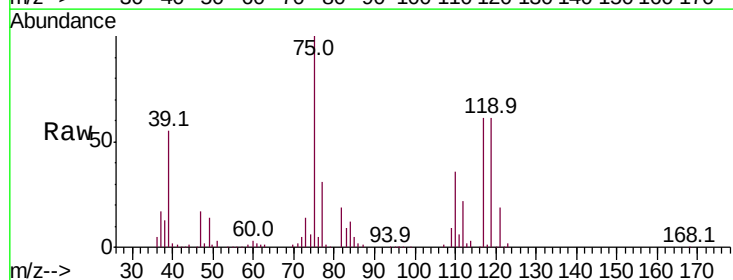
Tgt Ion: 75 Resp: 142664

Ion Ratio Lower Upper

75 100

110 35.7 16.7 50.0

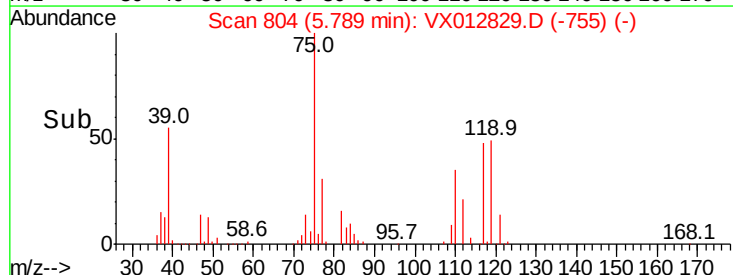
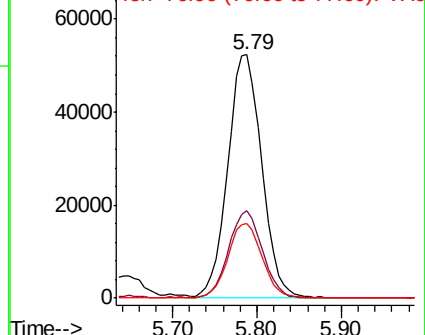
77 30.8 24.2 36.2

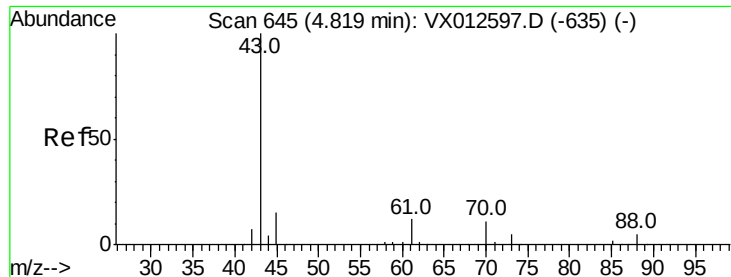


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 49.873 ug/l

RT: 4.81 min Scan# 644

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

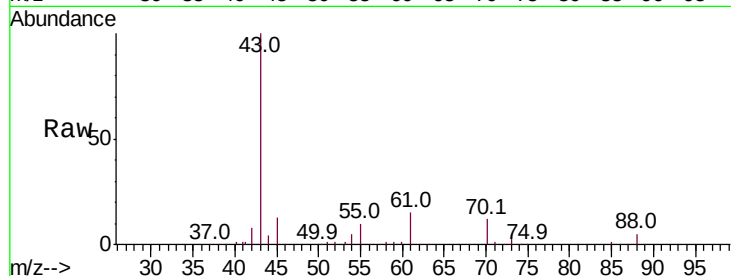
Tot Ion: 43 Resp: 157745

Ion Ratio Lower Upper

43 100

61 14.2 10.2 15.4

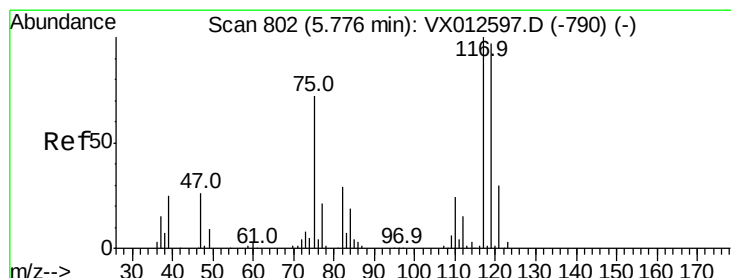
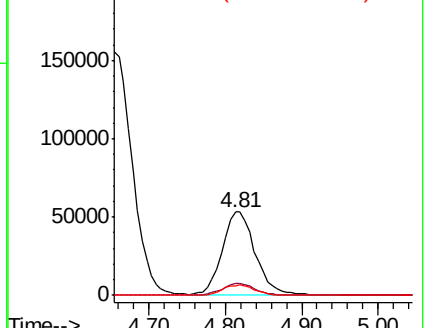
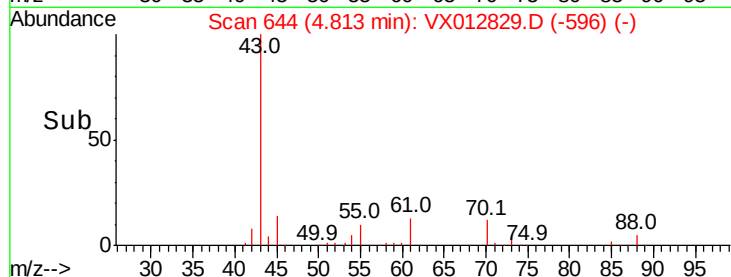
70 12.6 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 53.368 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

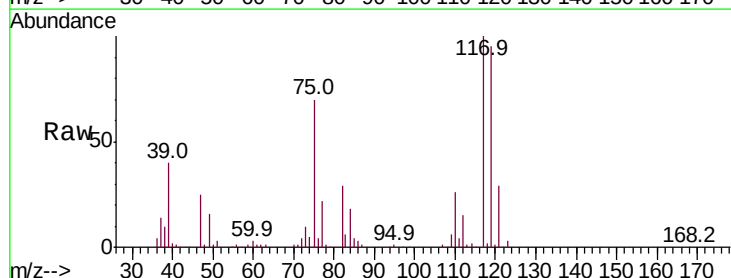
Tgt Ion: 117 Resp: 146669

Ion Ratio Lower Upper

117 100

119 94.9 75.7 113.5

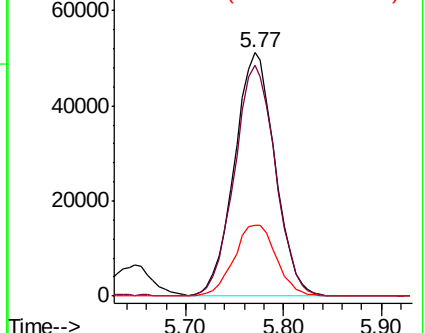
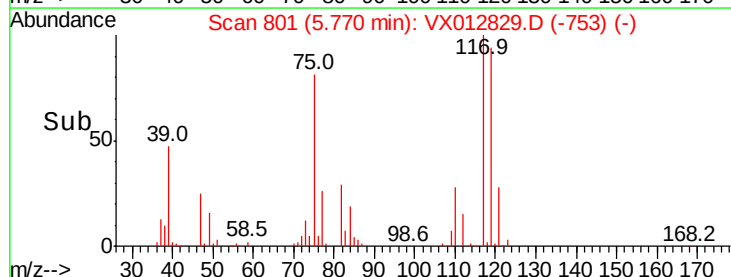
121 29.3 24.2 36.4

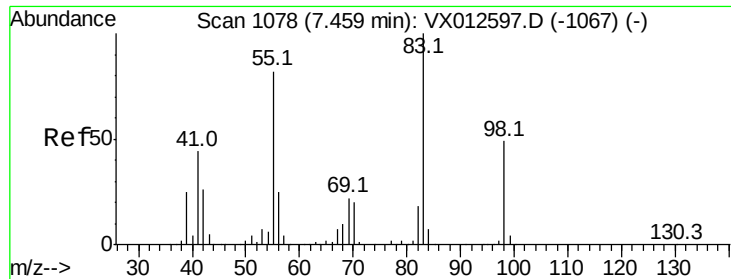


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

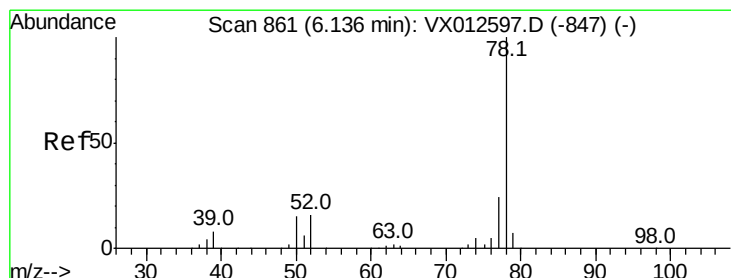
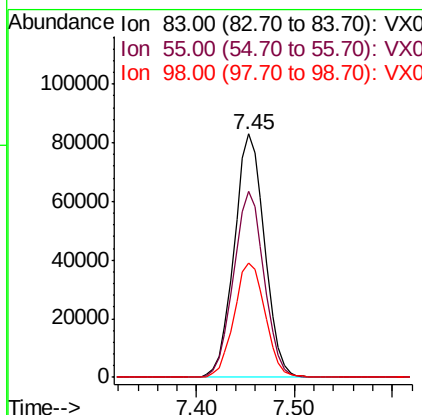
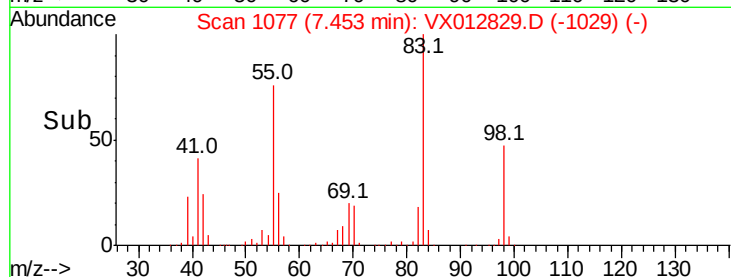
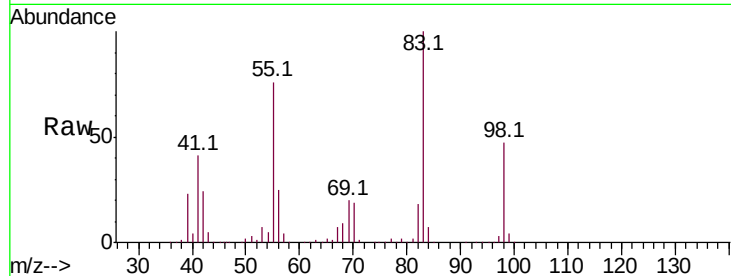




#39
Methylvlcyclohexane
Concen: 54.821 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

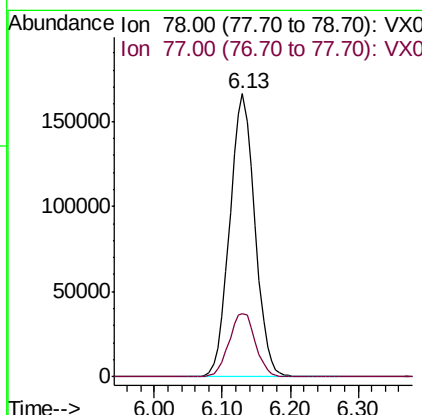
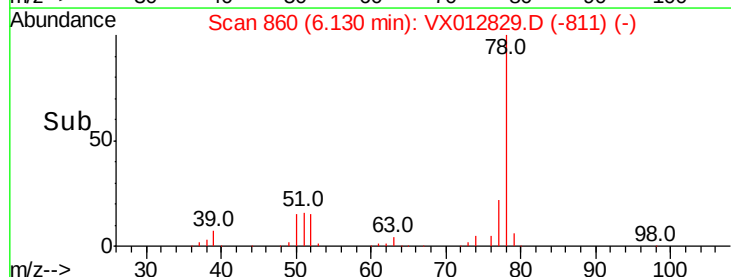
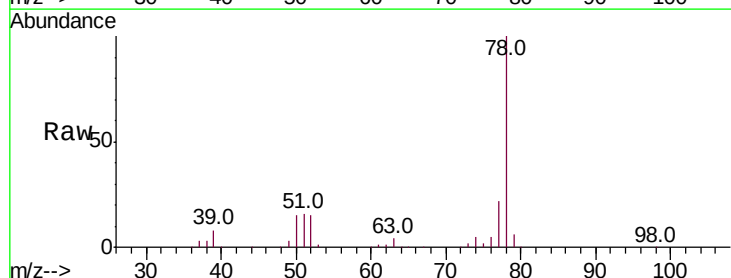
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

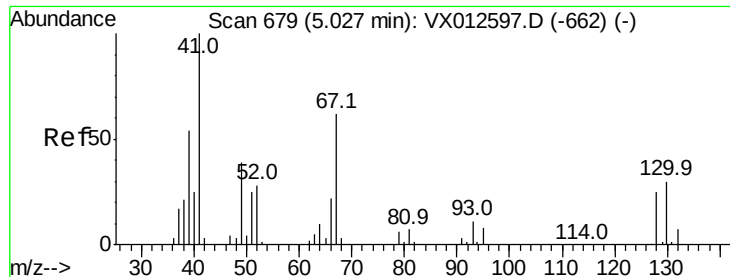
Tot Ion: 83 Resp: 178550
Ion Ratio Lower Upper
83 100
55 76.5 64.4 96.6
98 47.1 40.1 60.1



#40
Benzene
Concen: 53.521 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion: 78 Resp: 426040
Ion Ratio Lower Upper
78 100
77 22.2 19.2 28.8





#41

Methacrylonitrile

Concen: 49.786 ug/l

RT: 5.03 min Scan# 679

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 88352

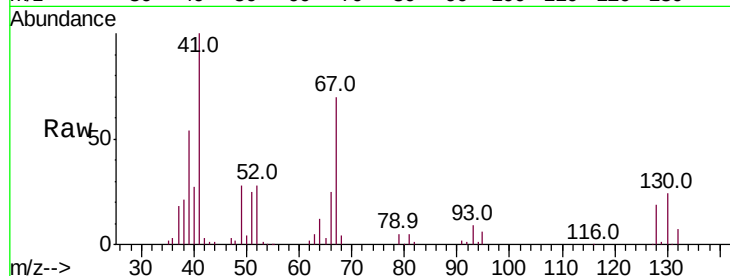
Ion Ratio Lower Upper

41 100

39 53.9 46.0 69.0

67 72.0 52.2 78.2

52 28.6 22.7 34.1

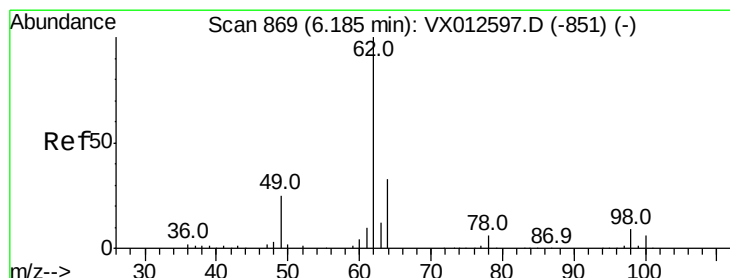
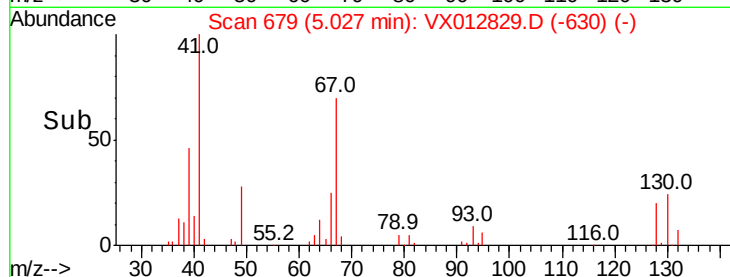
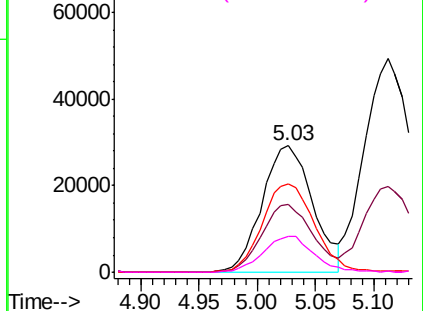


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 51.852 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX012829.D

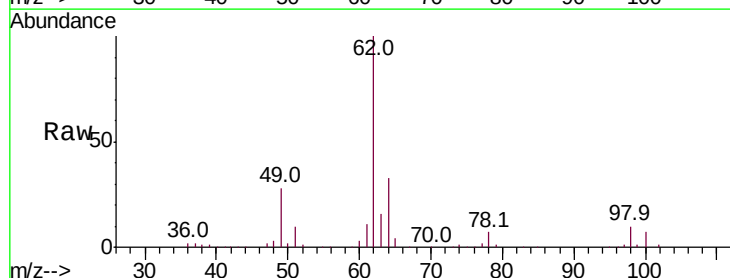
Acq: 07 Oct 2019 11:18

Tgt Ion: 62 Resp: 156738

Ion Ratio Lower Upper

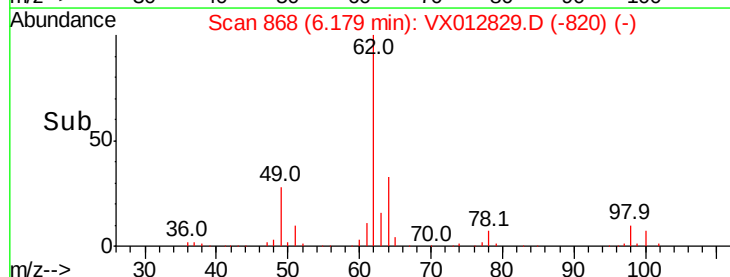
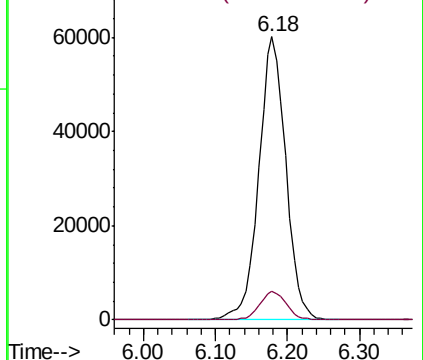
62 100

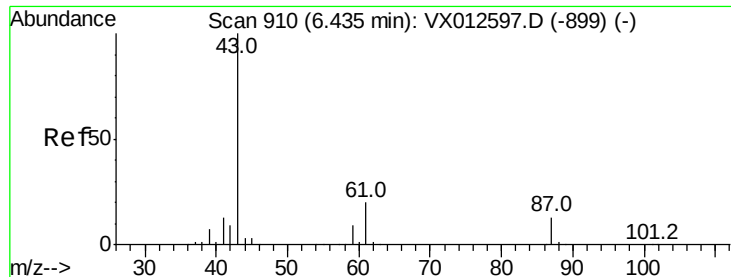
98 9.9 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 50.775 ug/l

RT: 6.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

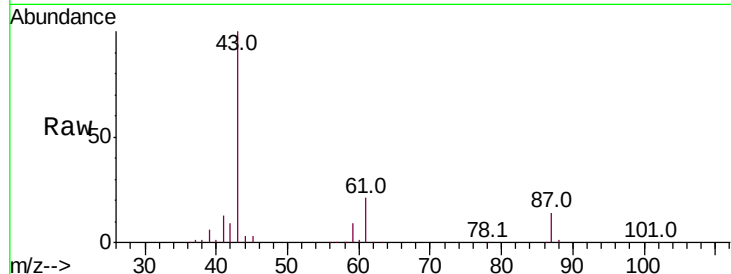
Tot Ion: 43 Resp: 268570

Ion Ratio Lower Upper

43 100

61 20.2 15.4 23.0

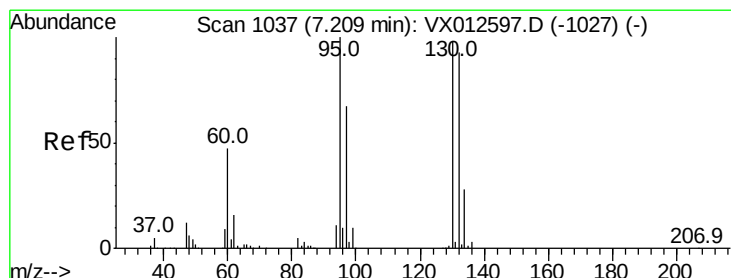
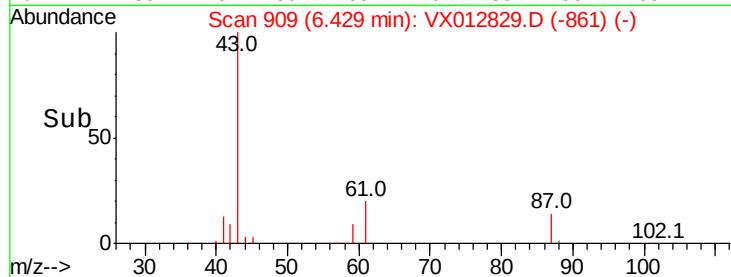
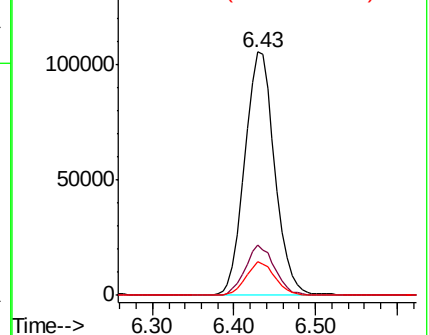
87 13.5 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 56.679 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VX012829.D

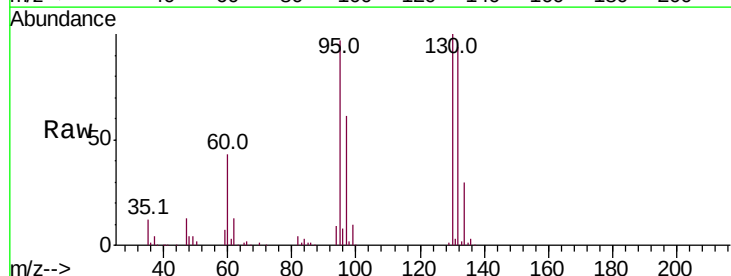
Acq: 07 Oct 2019 11:18

Tgt Ion:130 Resp: 115341

Ion Ratio Lower Upper

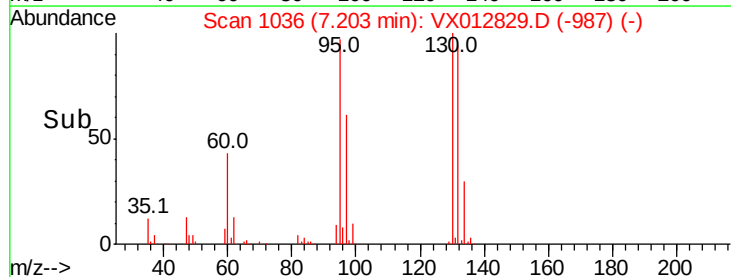
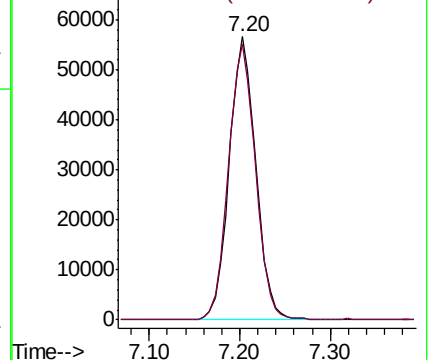
130 100

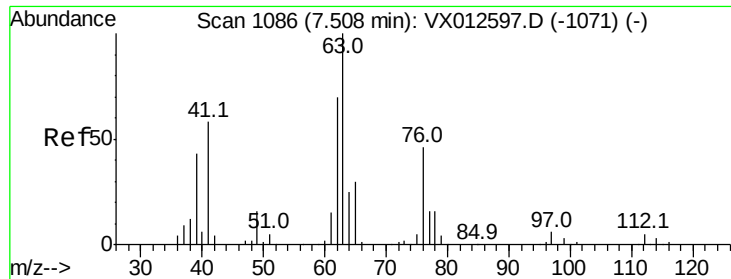
95 97.2 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

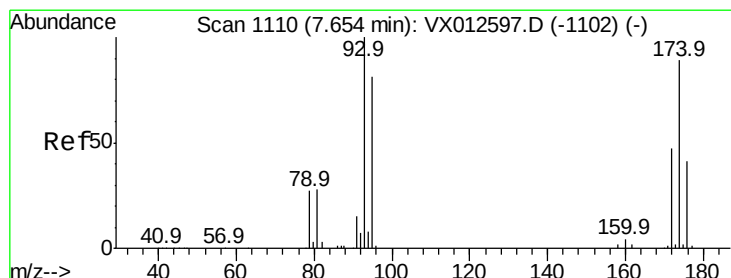
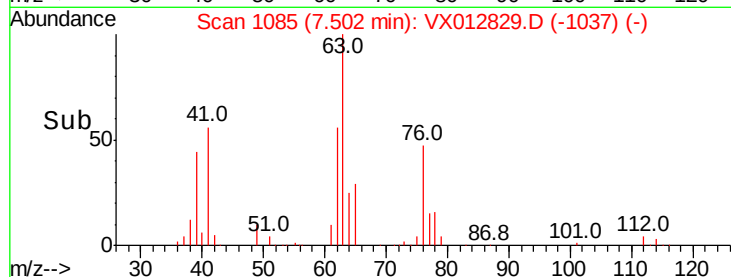
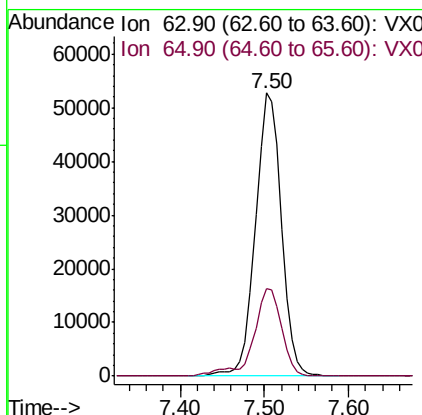
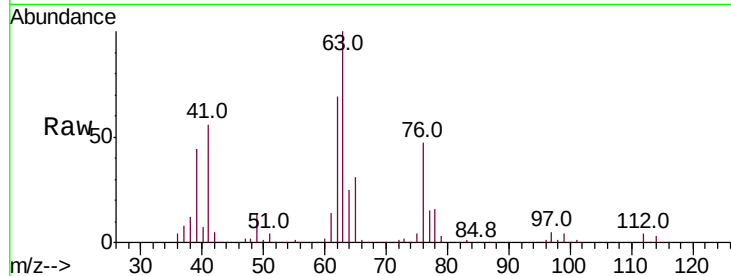




#45
 1,2-Dichloropropane
 Concen: 54.503 ug/l
 RT: 7.50 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

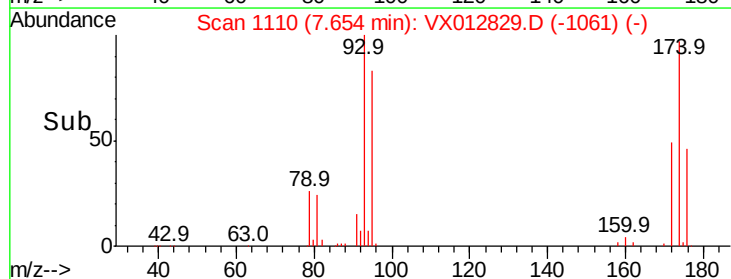
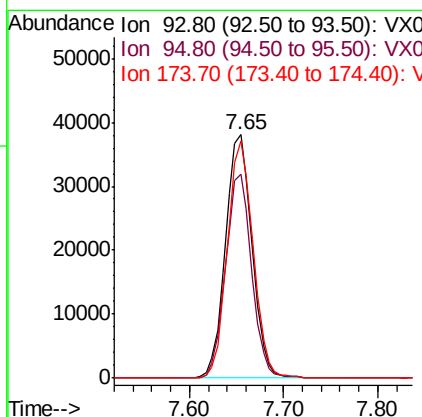
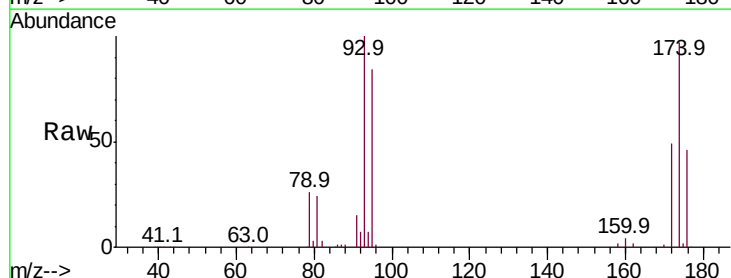
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

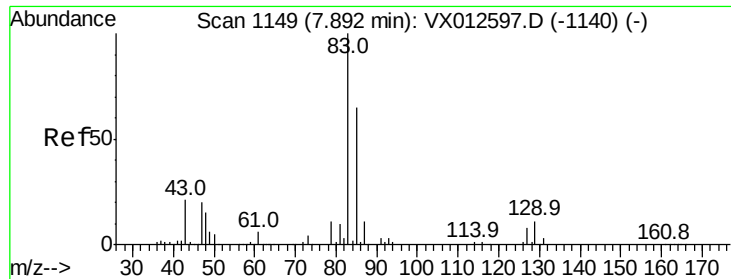
Tot Ion: 63 Resp: 111076
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6



#46
 Dibromomethane
 Concen: 53.803 ug/l
 RT: 7.65 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion: 93 Resp: 74656
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.6 100.0
 174 94.7 77.4 116.0





#47

Bromodichloromethane

Concen: 54.588 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

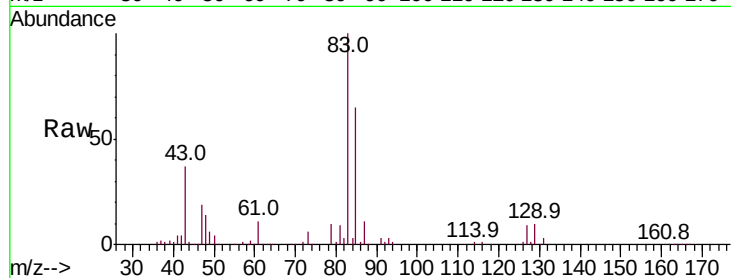
Tot Ion: 83 Resp: 151384

Ion Ratio Lower Upper

83 100

85 65.1 51.8 77.6

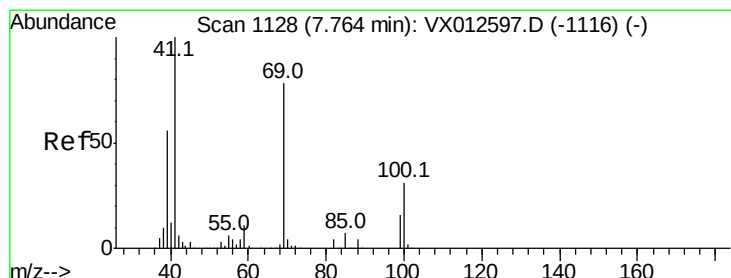
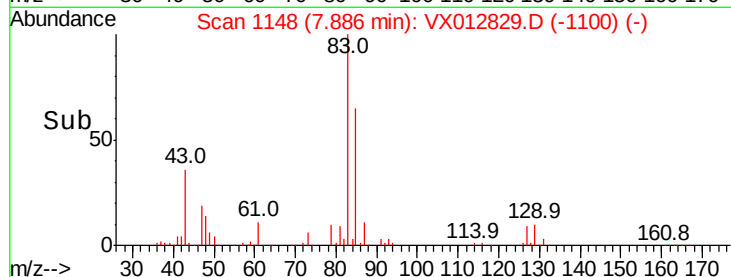
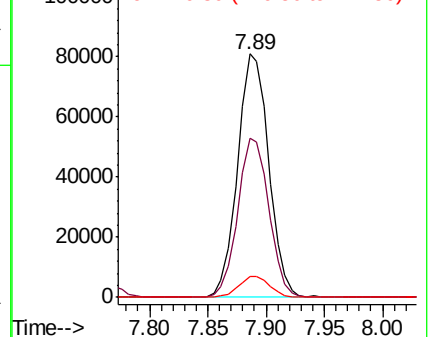
127 8.6 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.946 ug/l

RT: 7.76 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

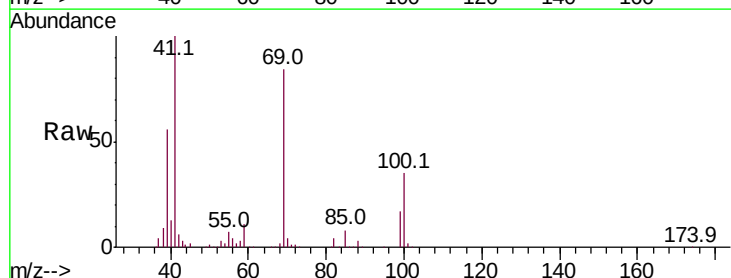
Tgt Ion: 41 Resp: 129211

Ion Ratio Lower Upper

41 100

69 83.8 59.9 89.9

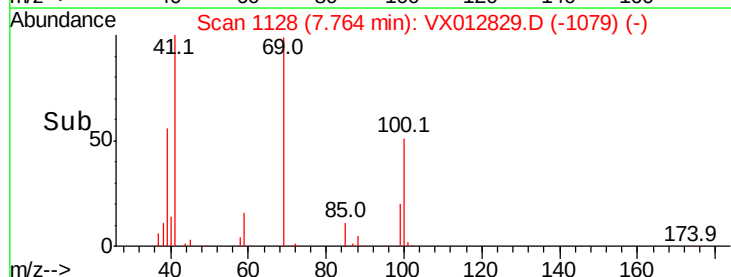
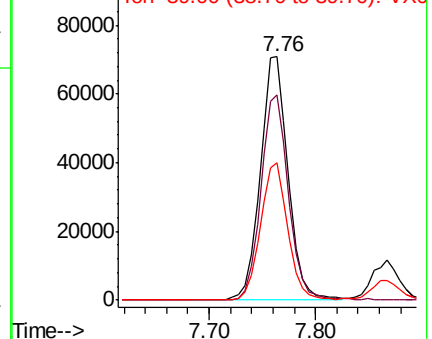
39 55.5 47.8 71.6

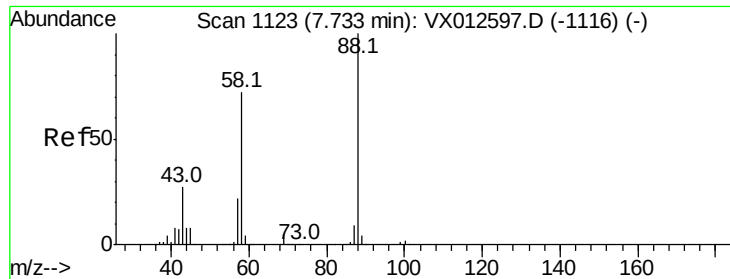


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

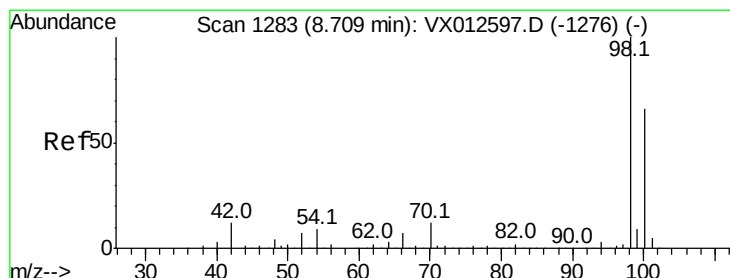
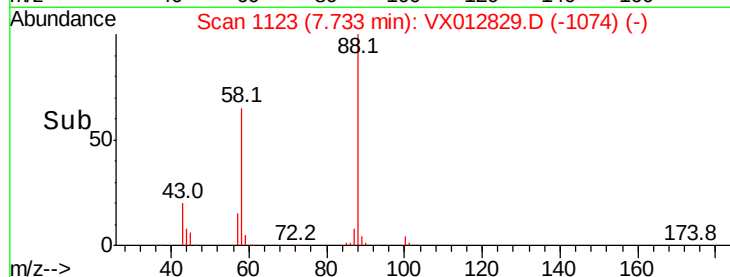
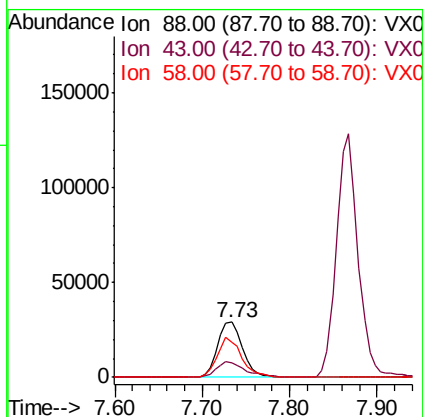
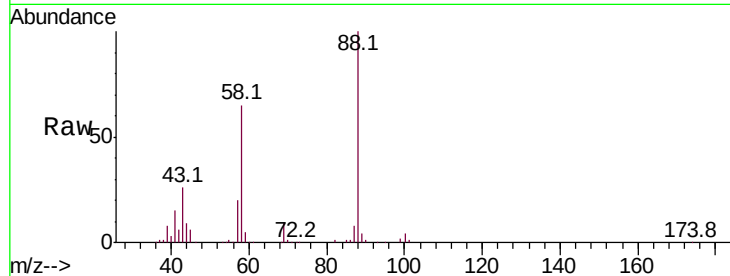




#49
1,4-Dioxane
Concen: 1002.145 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

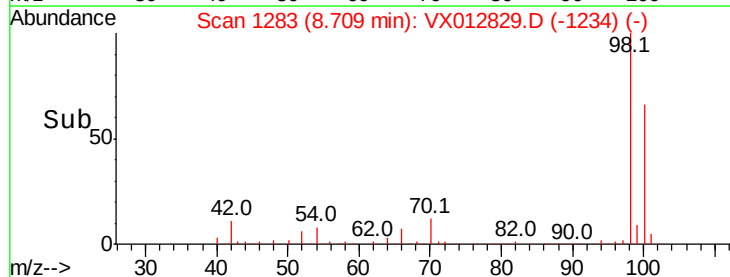
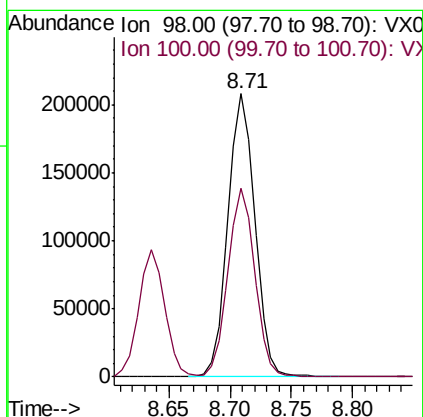
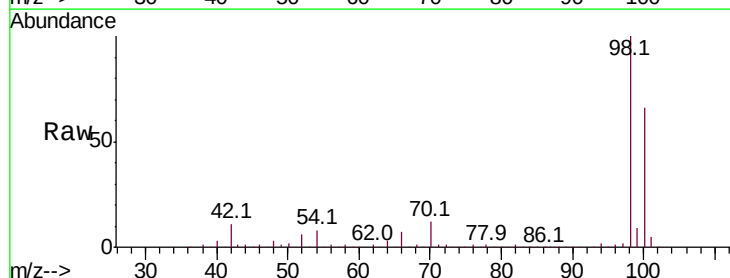
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

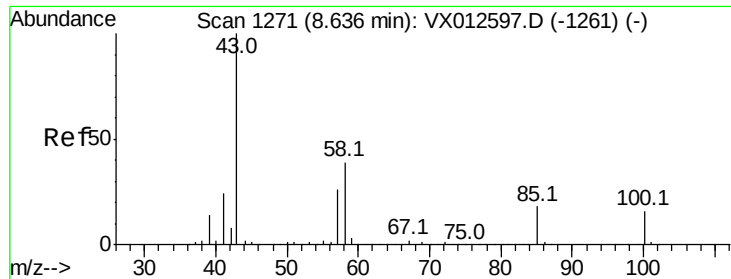
Tot Ion: 88 Resp: 57650
Ion Ratio Lower Upper
88 100
43 31.6 29.4 44.0
58 70.6 57.5 86.3



#50
Toluene-d8
Concen: 49.510 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion: 98 Resp: 318709
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.2





#51

4-Methyl-2-Pentanone

Concen: 249.199 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

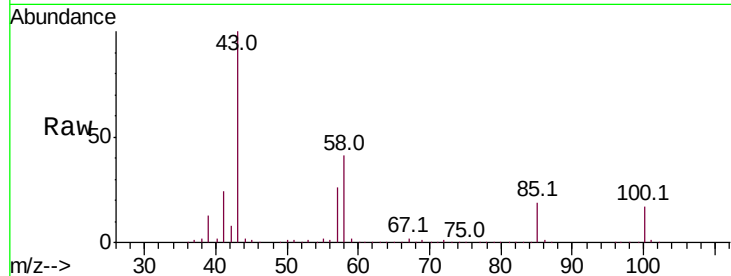
VSTDCCC050

Tot Ion: 43 Resp: 813650

Ion Ratio Lower Upper

43 100

58 40.2 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

600000

500000

400000

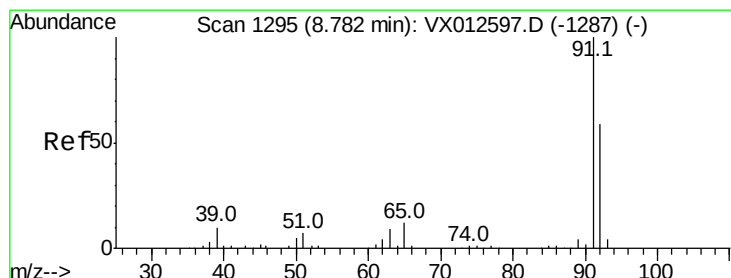
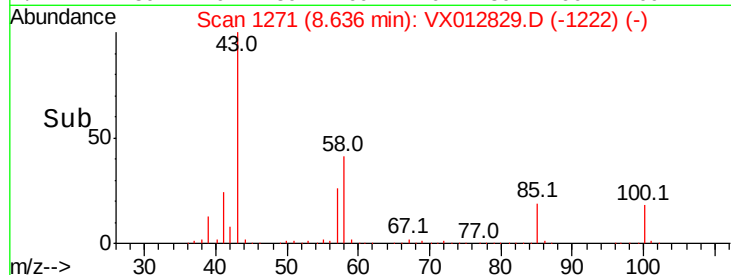
300000

200000

100000

0

Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 54.616 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012829.D

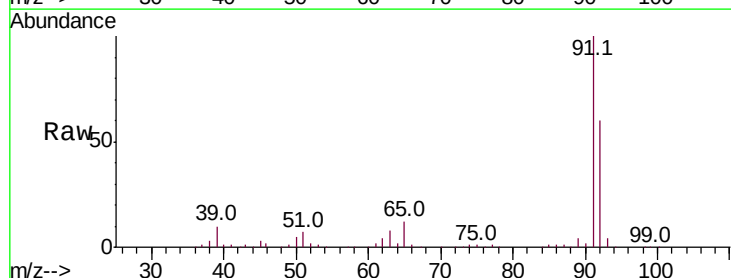
Acq: 07 Oct 2019 11:18

Tgt Ion: 92 Resp: 273247

Ion Ratio Lower Upper

92 100

91 168.1 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

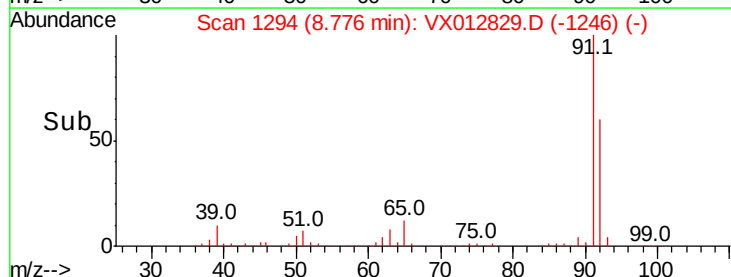
300000

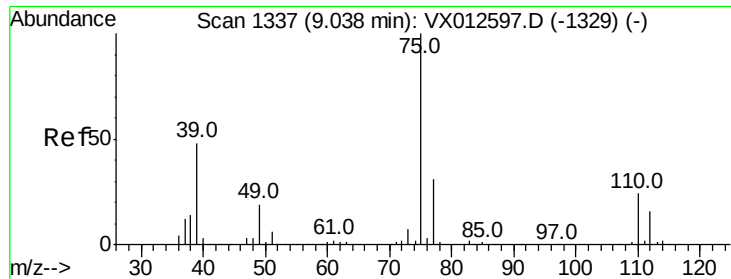
200000

100000

0

Time--> 8.70 8.75 8.80 8.85





#53

t-1,3-Dichloropropene

Concen: 56.234 ug/l

RT: 9.03 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

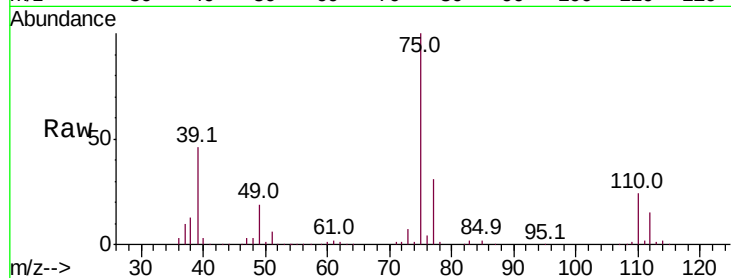
VSTDCCC050

Tot Ion: 75 Resp: 172545

Ion Ratio Lower Upper

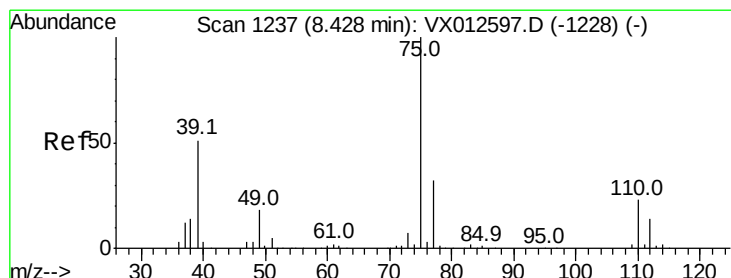
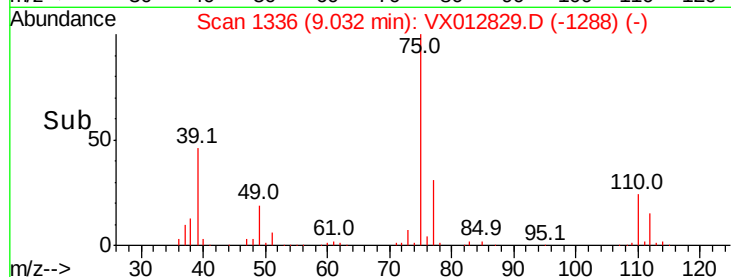
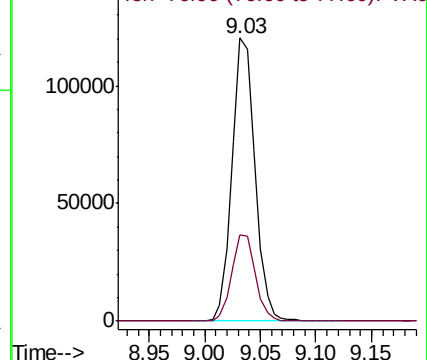
75 100

77 30.5 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 55.555 ug/l

RT: 8.43 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

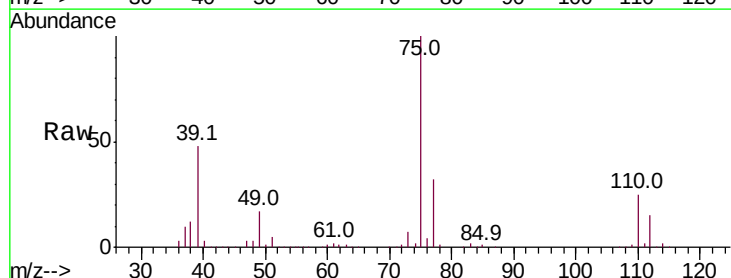
Tgt Ion: 75 Resp: 186117

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

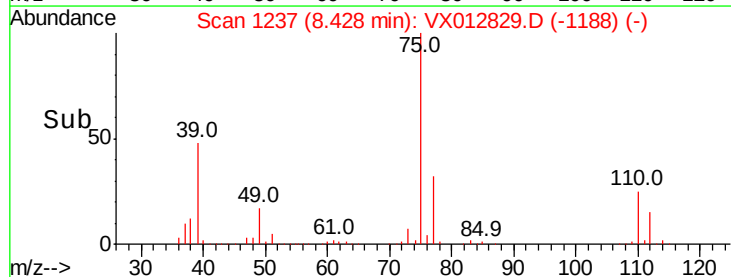
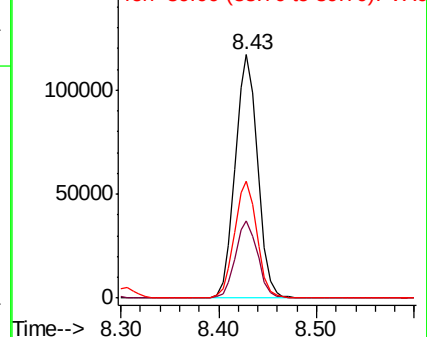
39 48.0 45.5 68.3

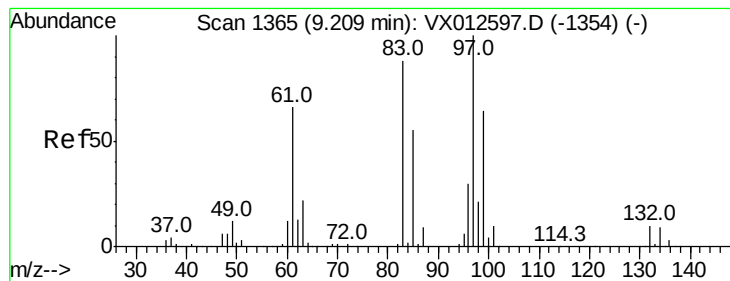


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 55.947 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 111282

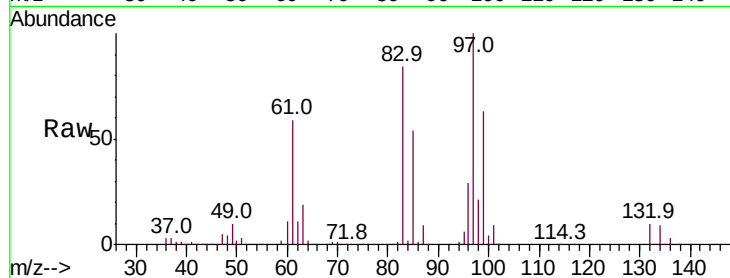
Ion Ratio Lower Upper

97 100

83 84.4 67.4 101.2

85 54.4 43.5 65.3

99 63.3 51.8 77.8

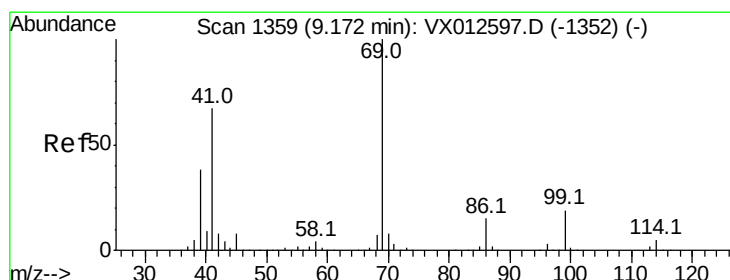
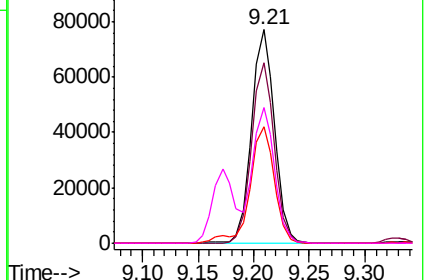
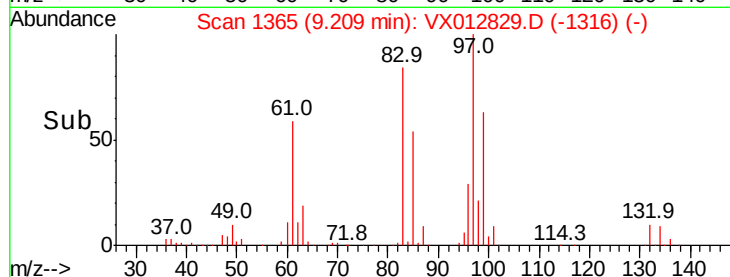


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 54.467 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

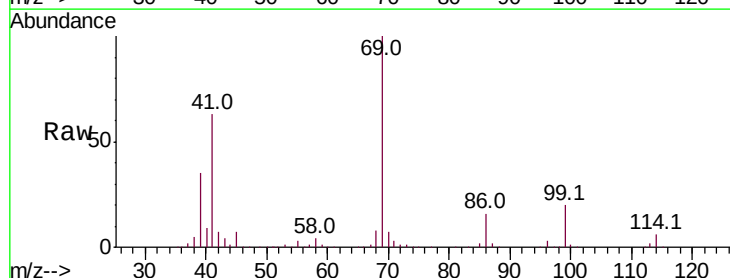
Tgt Ion: 69 Resp: 182009

Ion Ratio Lower Upper

69 100

41 65.4 58.4 87.6

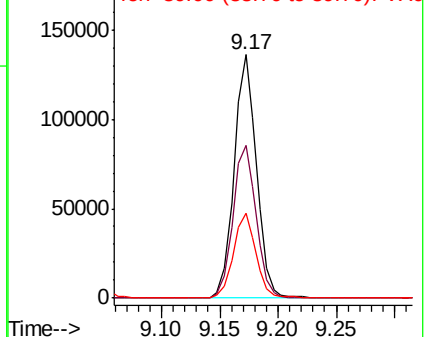
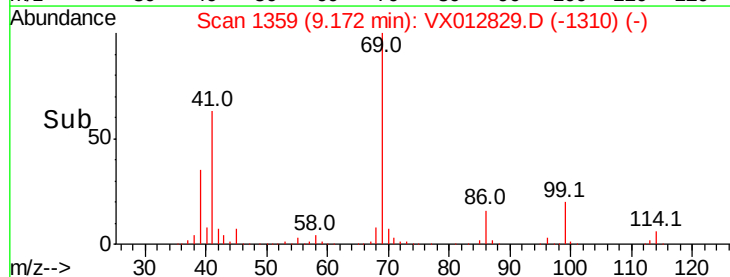
39 35.1 33.4 50.0

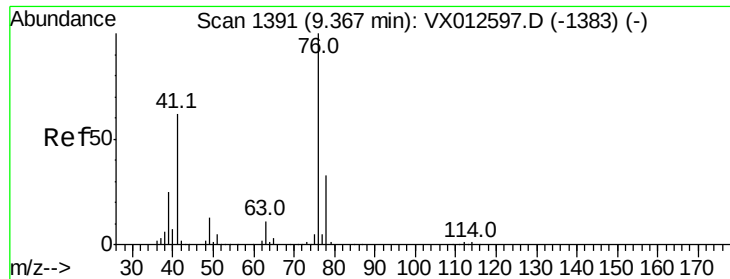


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 54.500 ug/l

RT: 9.37 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

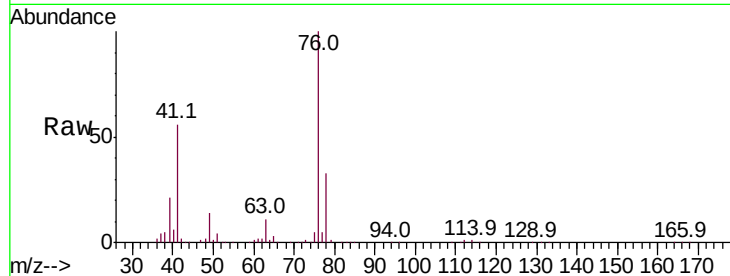
VSTDCCC050

Tot Ion: 76 Resp: 189723

Ion Ratio Lower Upper

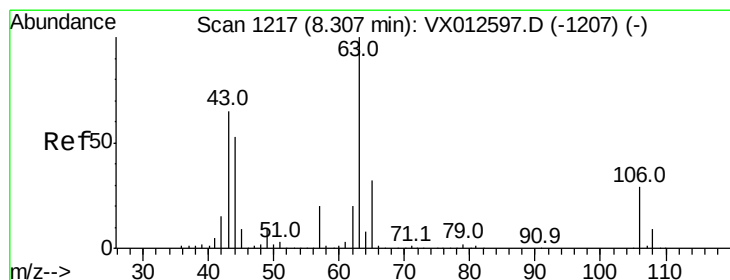
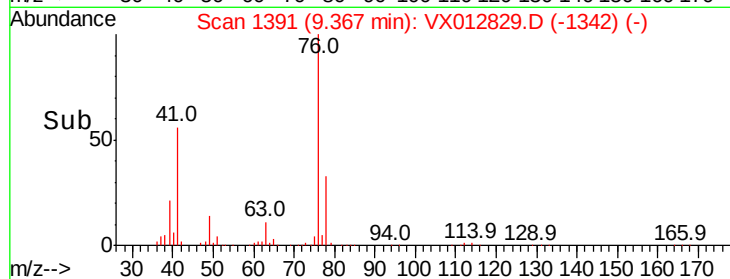
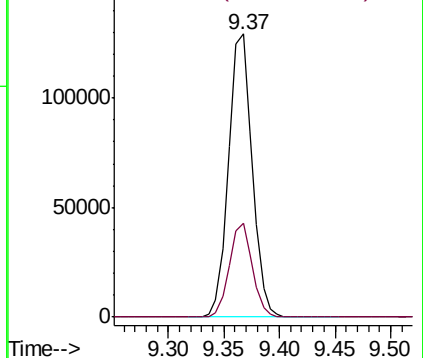
76 100

78 32.0 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 269.086 ug/l

RT: 8.31 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VX012829.D

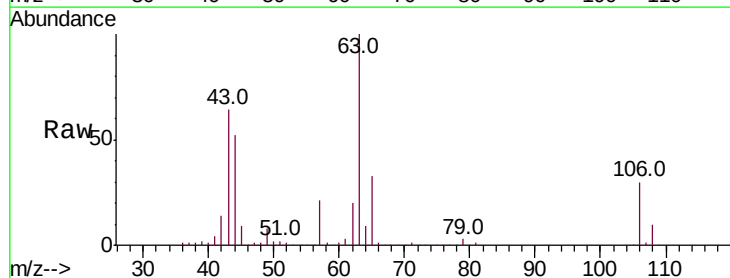
Acq: 07 Oct 2019 11:18

Tgt Ion: 63 Resp: 403620

Ion Ratio Lower Upper

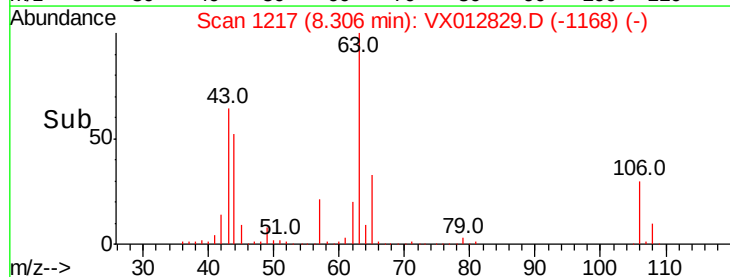
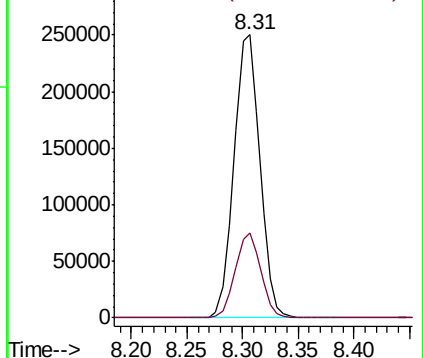
63 100

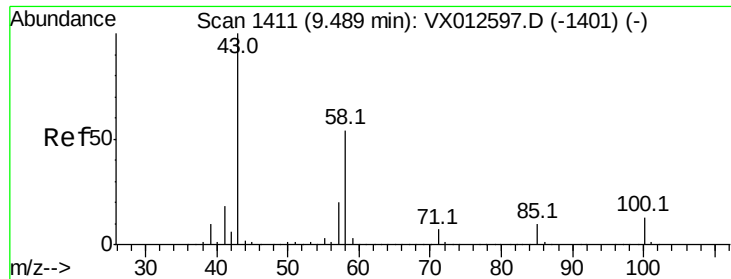
106 29.6 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

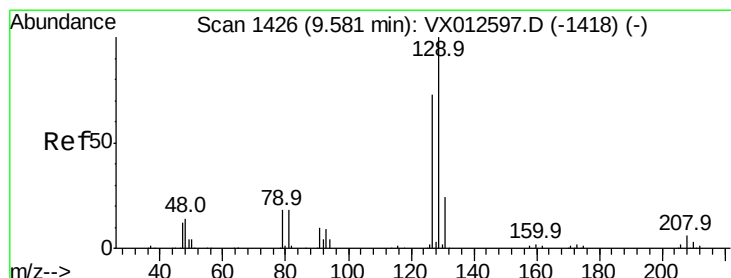
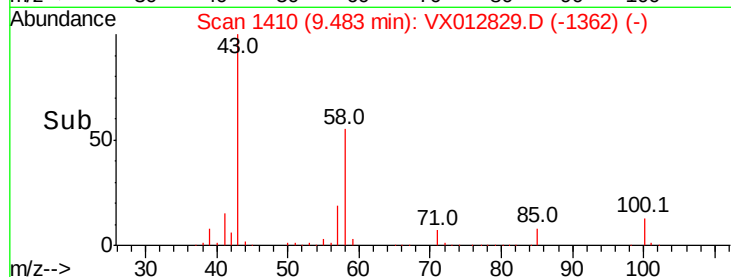
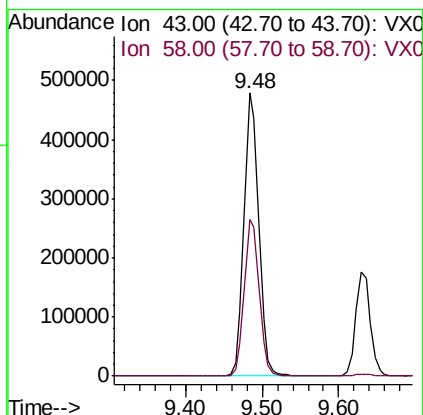
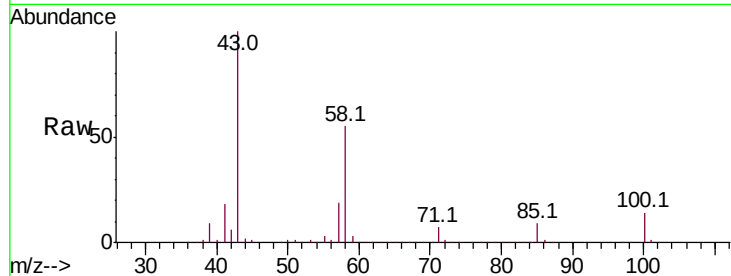




#59
2-Hexanone
Concen: 257.776 ug/l
RT: 9.48 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

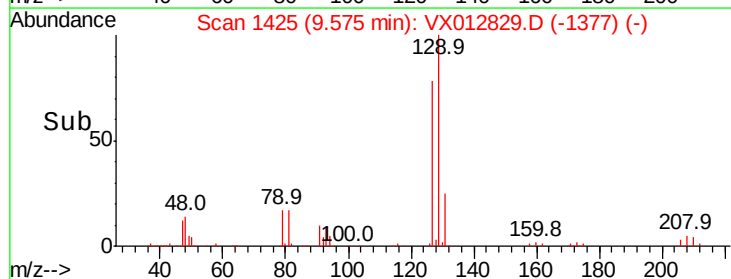
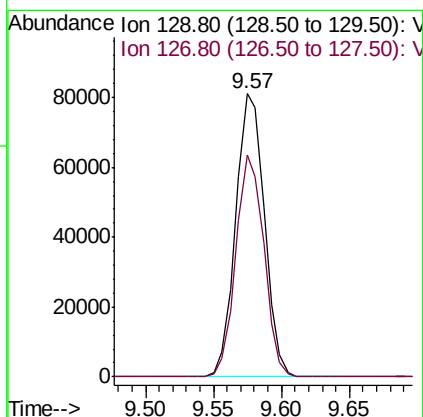
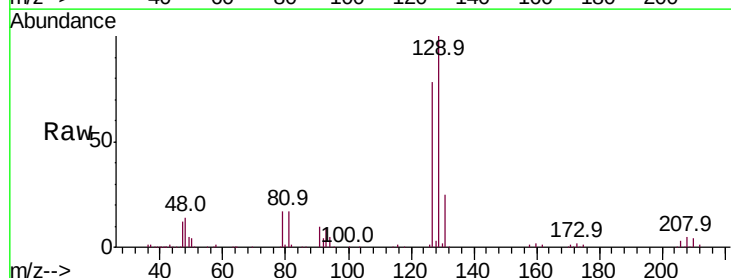
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

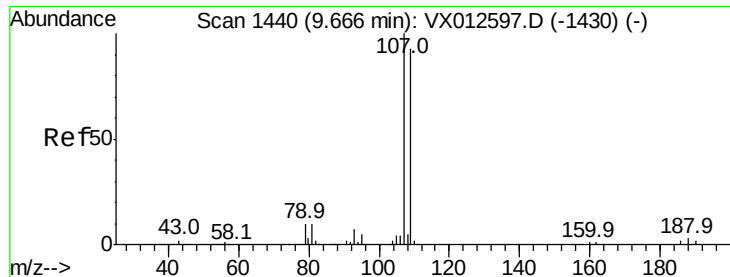
Tot Ion: 43 Resp: 644236
Ion Ratio Lower Upper
43 100
58 56.1 25.7 77.1



#60
Dibromochloromethane
Concen: 59.296 ug/l
RT: 9.57 min Scan# 1425
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion: 129 Resp: 119392
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 56.106 ug/l

RT: 9.67 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

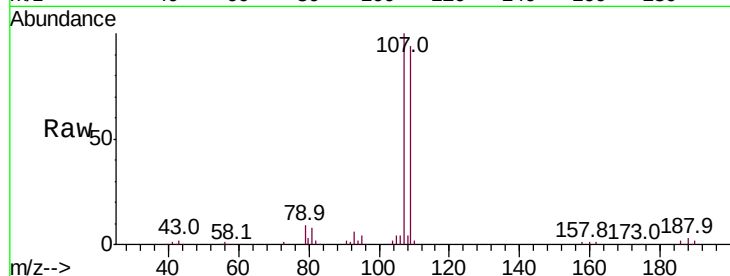
VSTDCCC050

Tot Ion:107 Resp: 116143

Ion Ratio Lower Upper

107 100

109 94.5 74.7 112.1

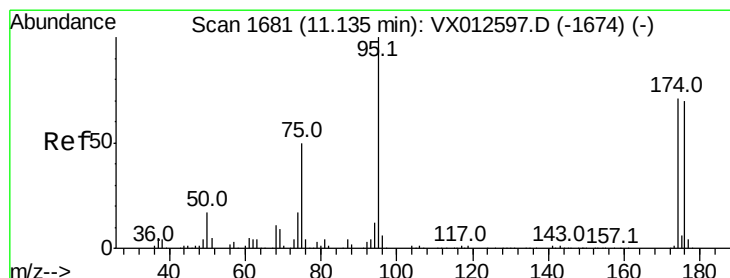
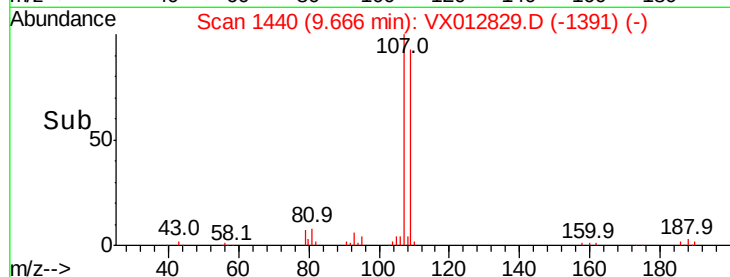


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

Time-->



#62

4-Bromofluorobenzene

Concen: 50.149 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

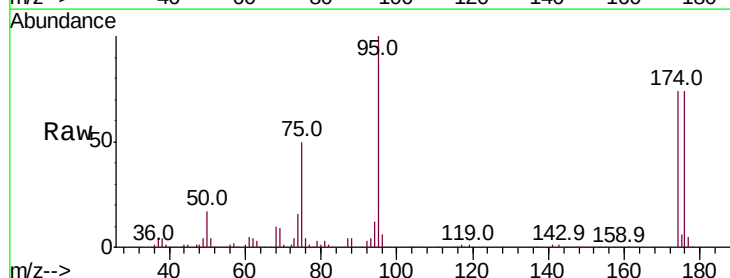
Tgt Ion: 95 Resp: 126934

Ion Ratio Lower Upper

95 100

174 71.6 0.0 140.0

176 70.5 0.0 135.4



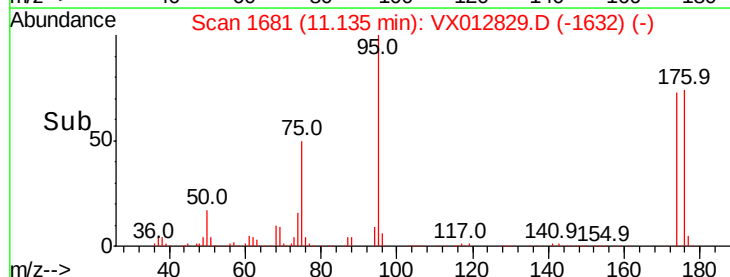
Abundance Ion 94.90 (94.60 to 95.60): VX0

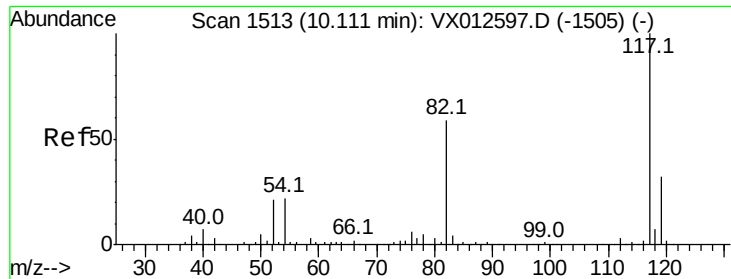
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

Time-->

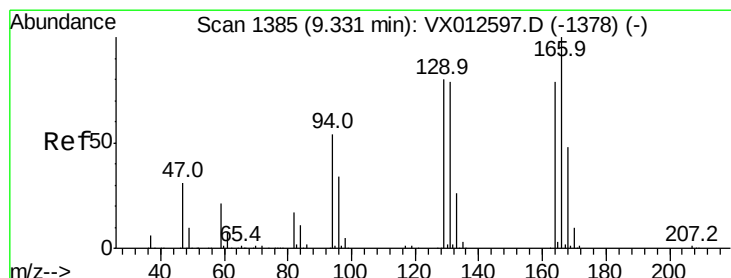
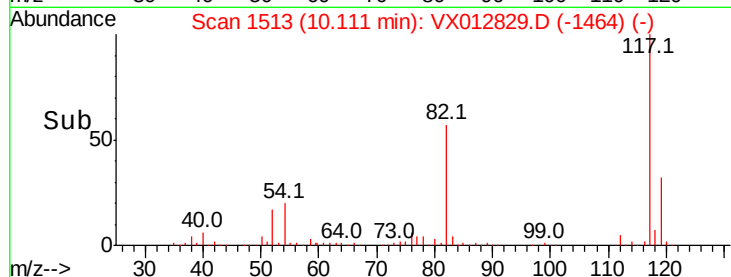
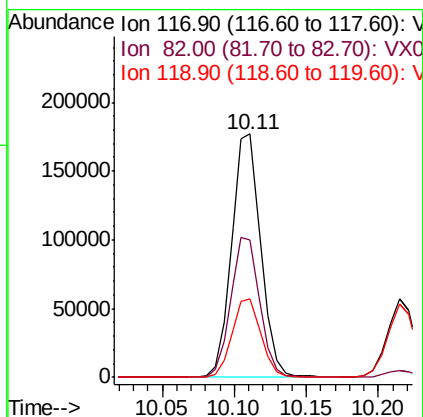
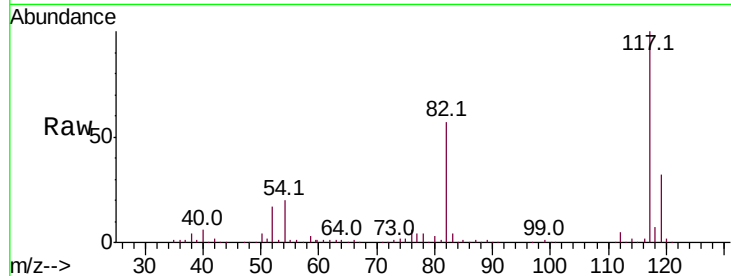




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

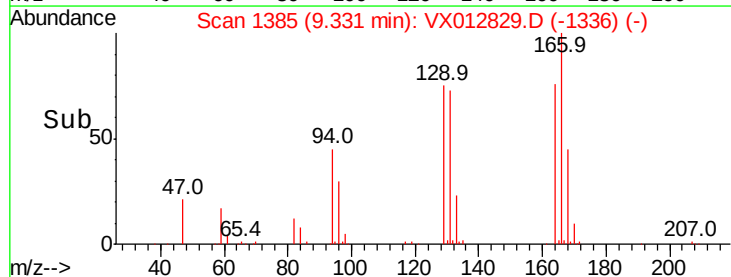
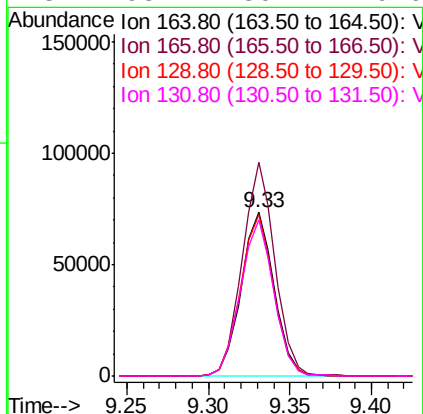
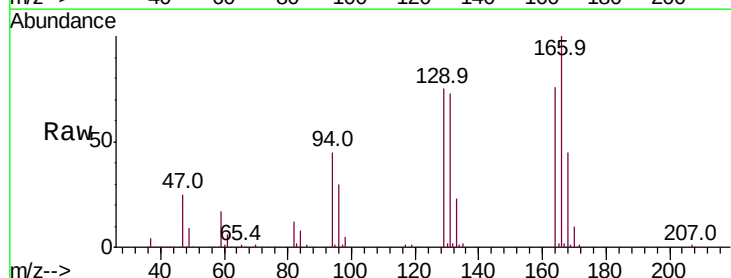
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

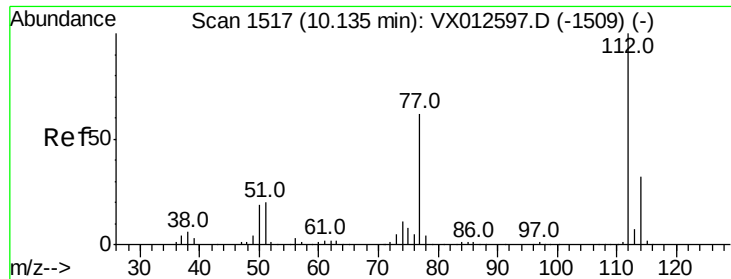
Tot Ion:117 Resp: 251001
Ion Ratio Lower Upper
117 100
82 56.5 45.9 68.9
119 32.5 25.3 37.9



#64
Tetrachloroethene
Concen: 58.774 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion:164 Resp: 102856
Ion Ratio Lower Upper
164 100
166 130.8 107.8 161.6
129 98.5 86.2 129.2
131 95.7 80.4 120.6

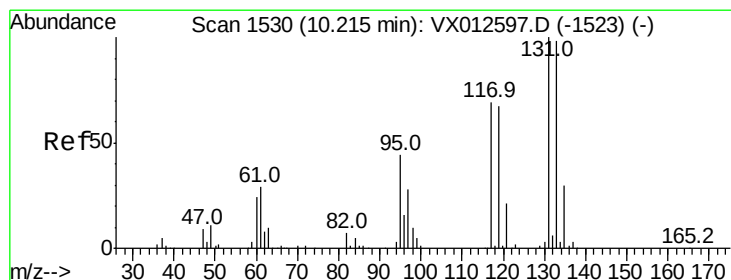
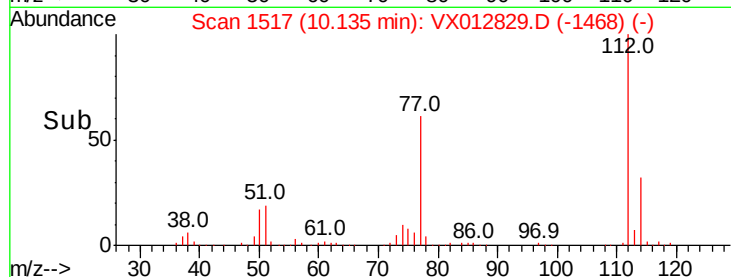
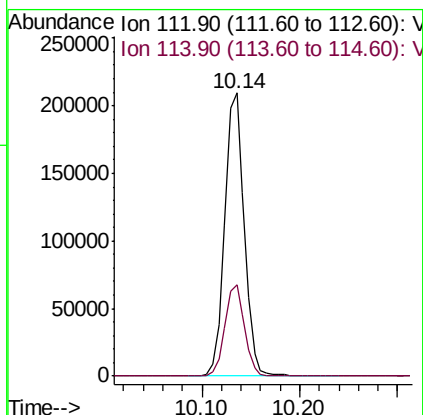
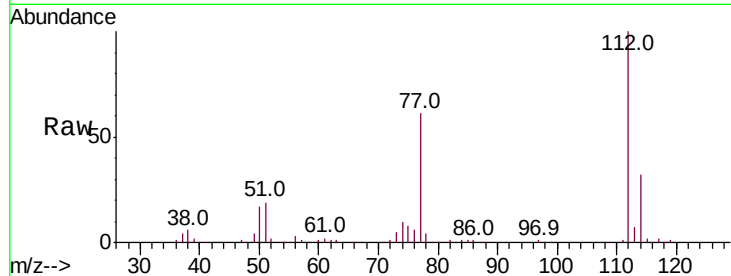




#65
Chlorobenzene
Concen: 54.718 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

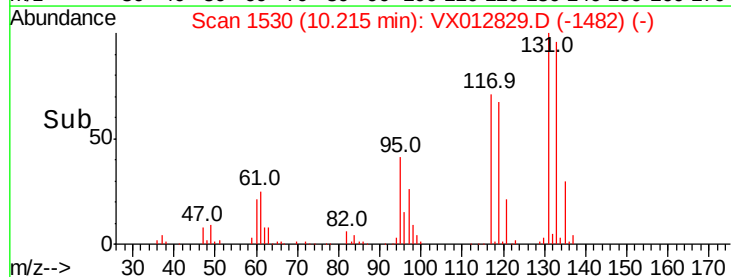
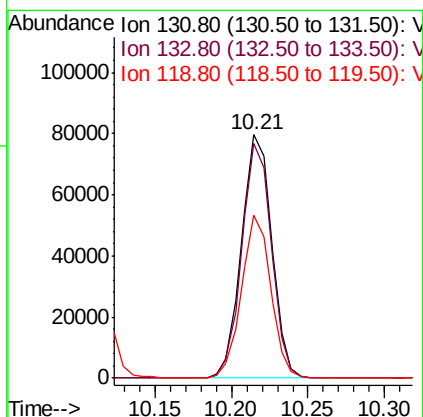
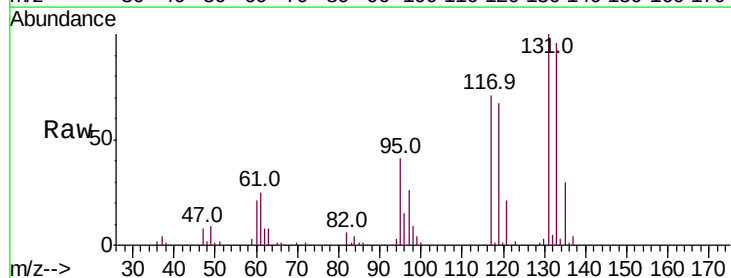
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

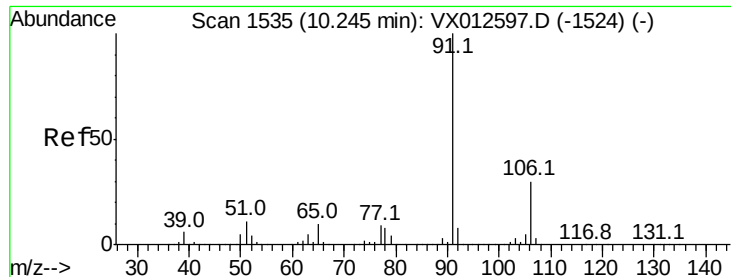
Tot Ion:112 Resp: 289215
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 57.176 ug/l
RT: 10.21 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion:131 Resp: 109497
Ion Ratio Lower Upper
131 100
133 94.7 47.6 142.9
119 64.6 31.3 93.8

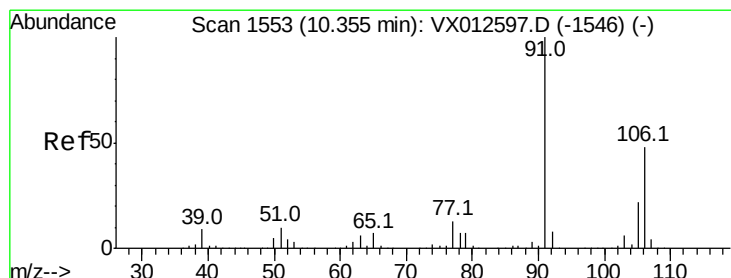
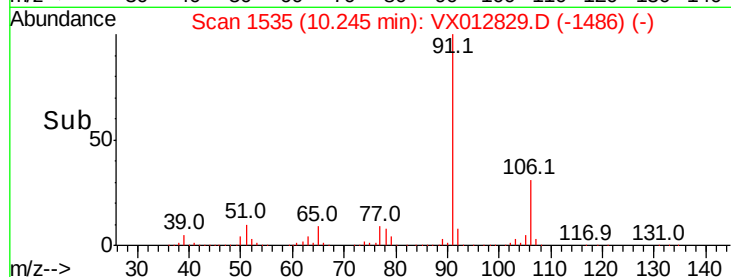
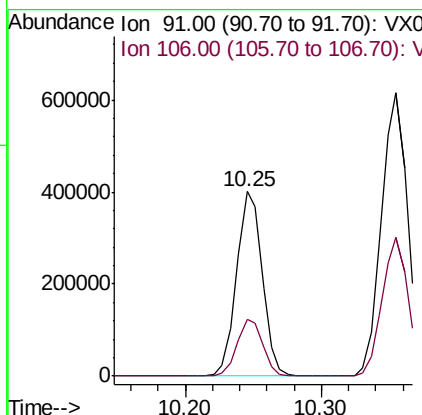
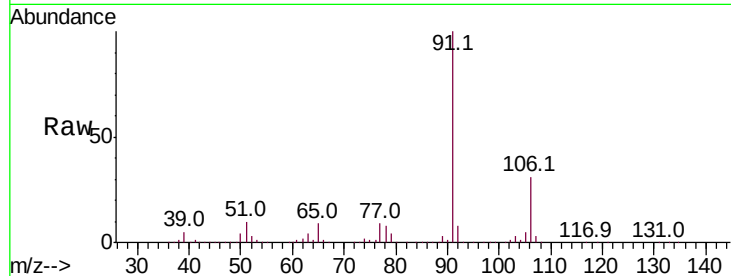




#67
Ethyl Benzene
Concen: 55.232 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

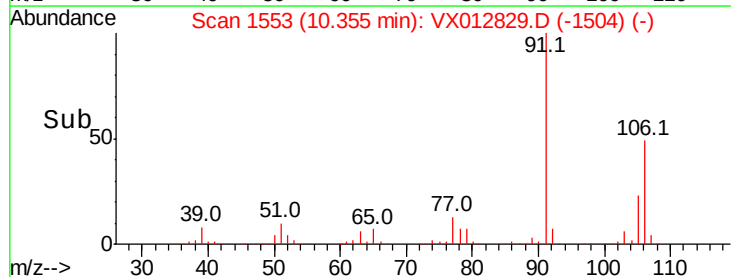
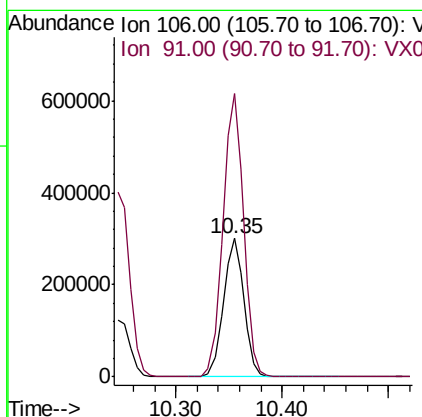
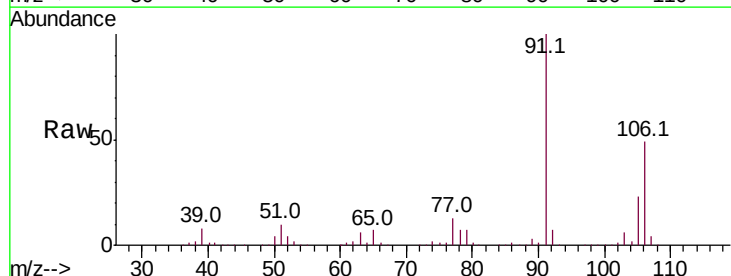
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

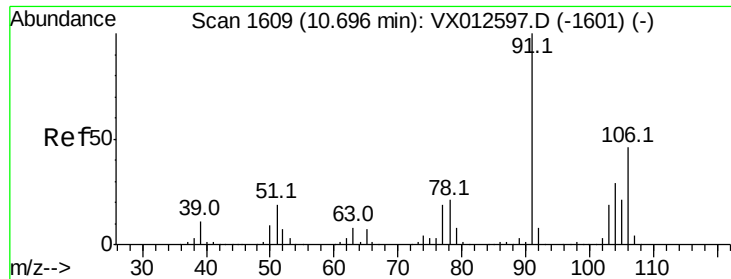
Tot Ion: 91 Resp: 529490
Ion Ratio Lower Upper
91 100
106 30.6 24.6 37.0



#68
m/p-Xylenes
Concen: 111.786 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion: 106 Resp: 401442
Ion Ratio Lower Upper
106 100
91 207.0 166.6 250.0

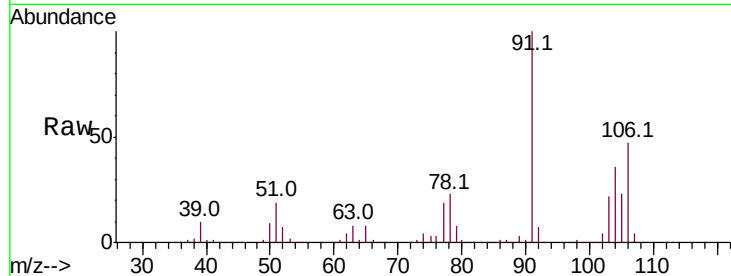




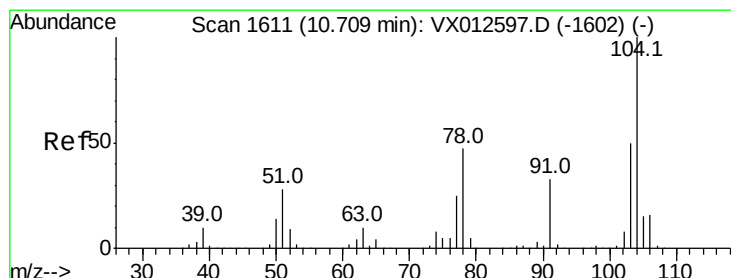
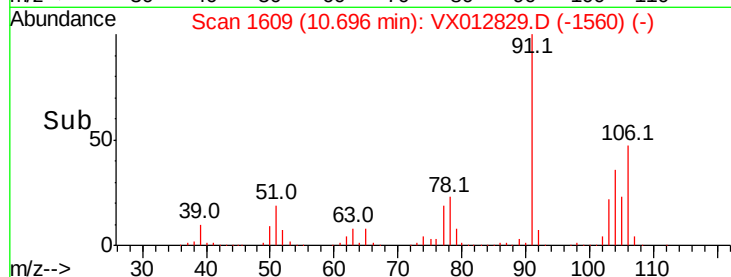
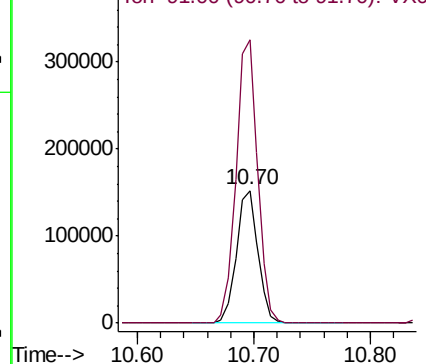
#69
o-Xylene
Concen: 56.375 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 195898
Ion Ratio Lower Upper
106 100
91 214.9 109.4 328.2

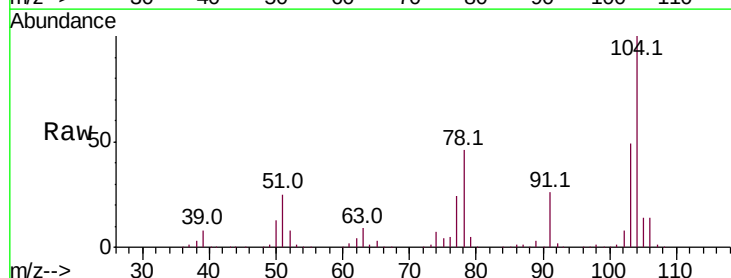


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

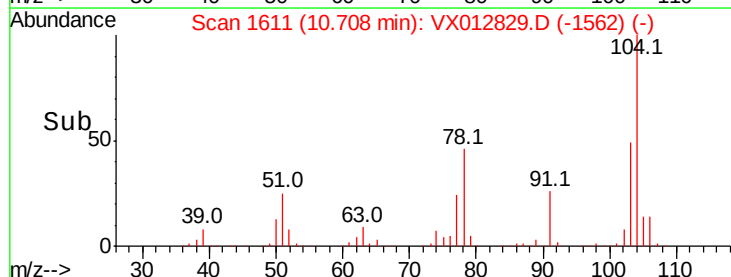
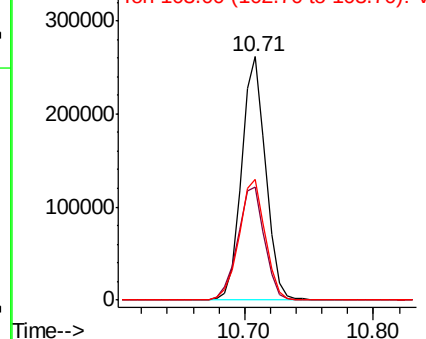


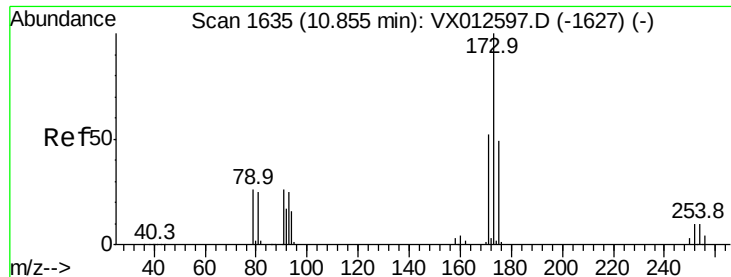
#70
Styrene
Concen: 58.018 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion:104 Resp: 337974
Ion Ratio Lower Upper
104 100
78 52.1 43.4 65.2
103 54.0 43.3 64.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 61.769 ug/l

RT: 10.85 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

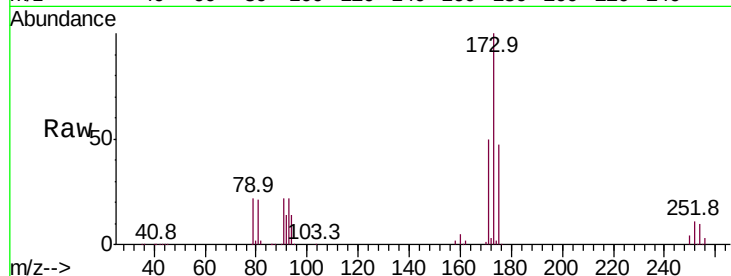
Tot Ion:173 Resp: 82368

Ion Ratio Lower Upper

173 100

175 47.9 23.7 71.1

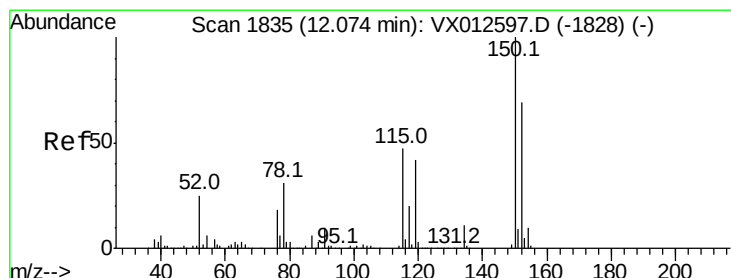
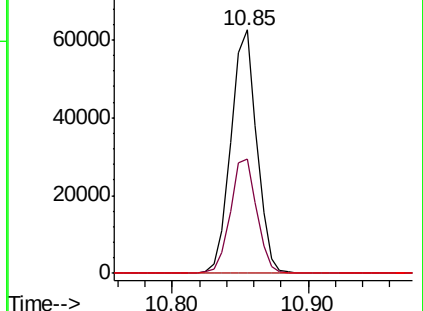
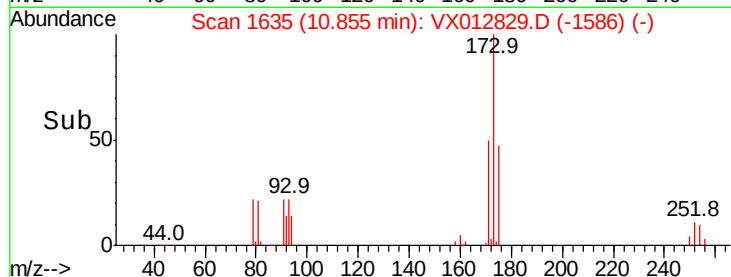
254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

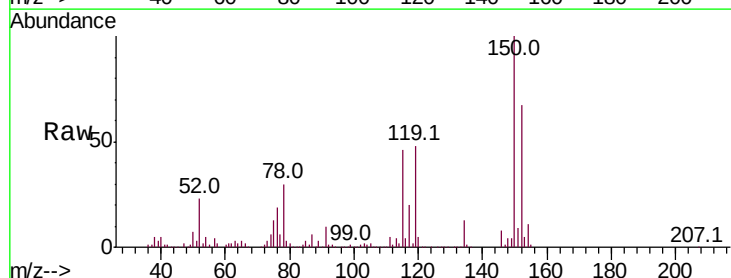
Tgt Ion:152 Resp: 121398

Ion Ratio Lower Upper

152 100

115 91.7 44.1 132.3

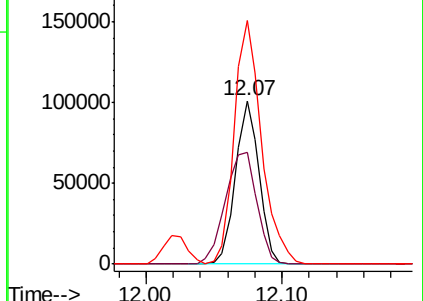
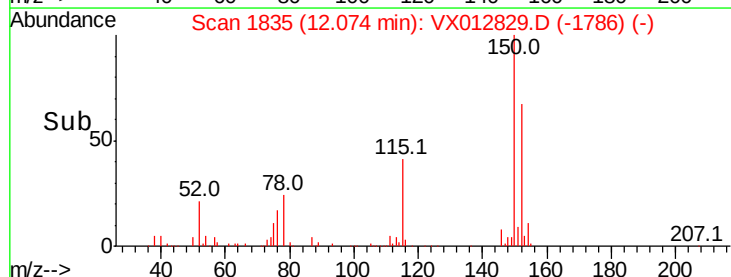
150 172.9 0.0 343.8

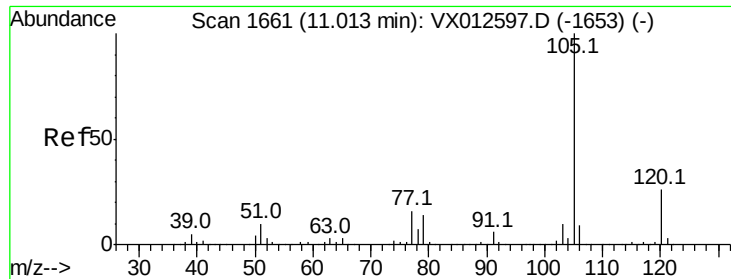


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

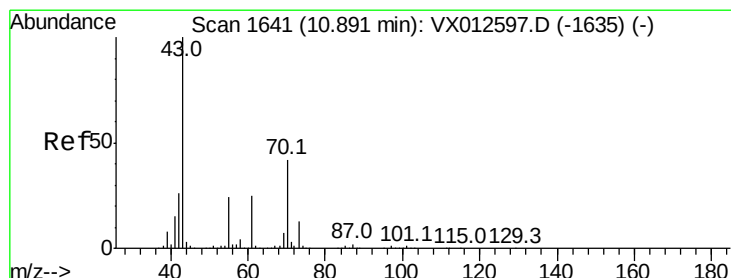
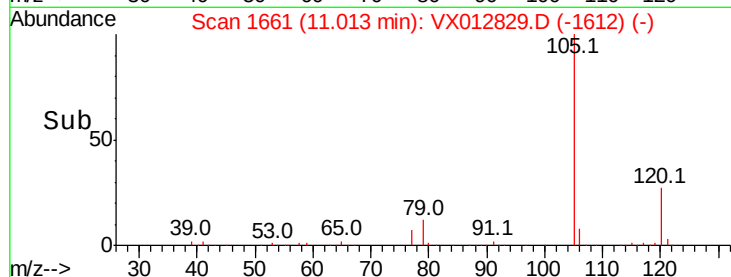
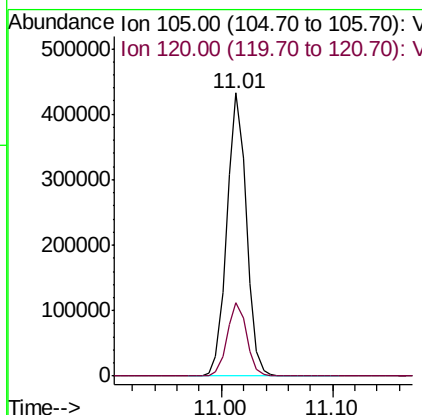
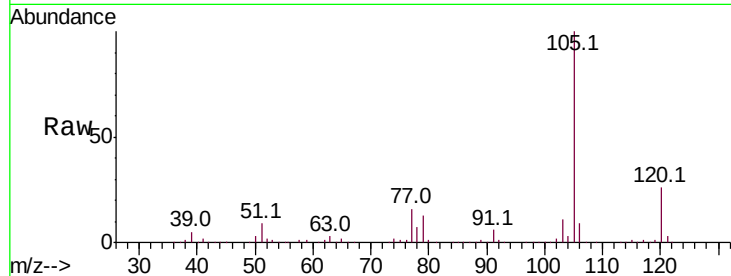




#73
Isopropylbenzene
Concen: 52.695 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

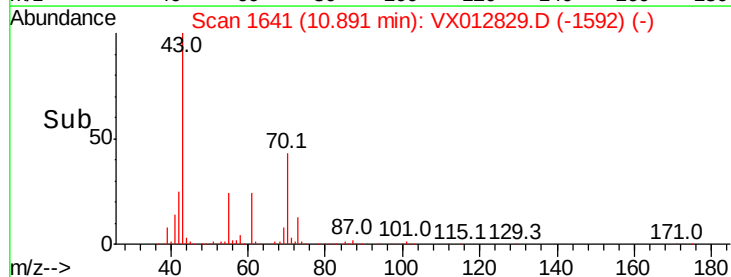
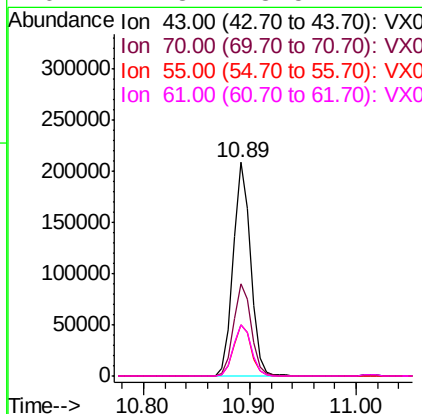
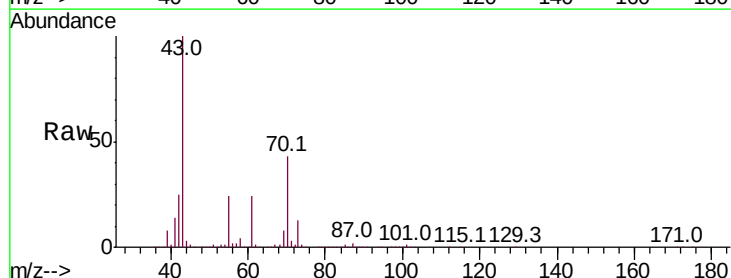
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

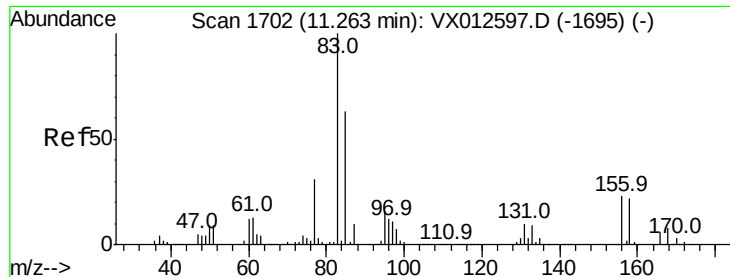
Tot Ion:105 Resp: 521022
Ion Ratio Lower Upper
105 100
120 26.2 12.9 38.7



#74
N-ethyl acetate
Concen: 50.905 ug/l
RT: 10.89 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion: 43 Resp: 240121
Ion Ratio Lower Upper
43 100
70 43.9 32.4 48.6
55 24.2 18.2 27.4
61 24.8 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.621 ug/l

RT: 11.26 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

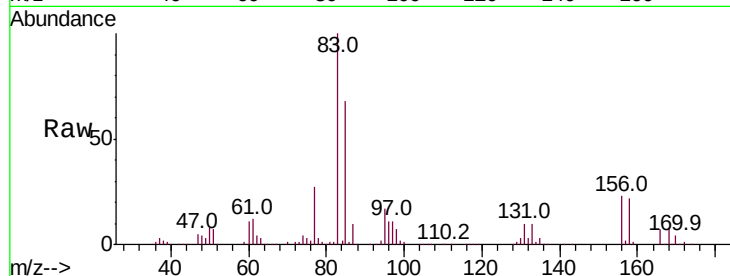
Tot Ion: 83 Resp: 169039

Ion Ratio Lower Upper

83 100

131 10.1 5.2 15.6

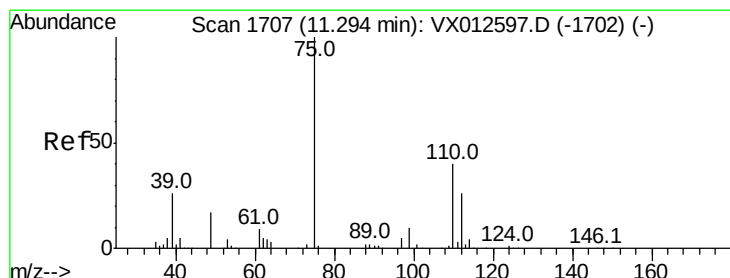
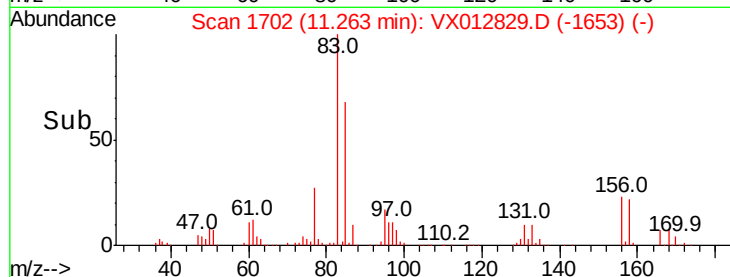
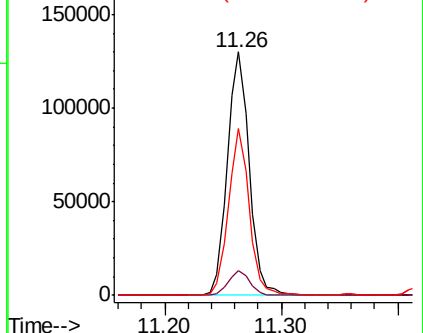
85 65.1 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 62.618 ug/l

RT: 11.29 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX012829.D

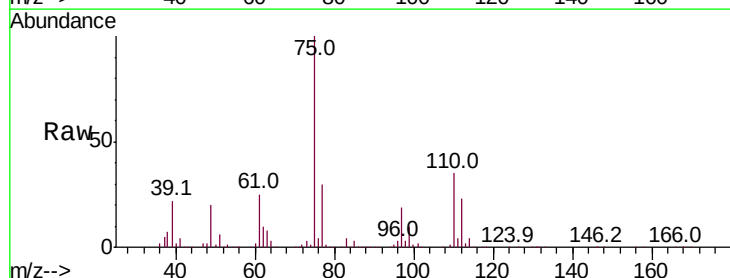
Acq: 07 Oct 2019 11:18

Tgt Ion: 75 Resp: 201084

Ion Ratio Lower Upper

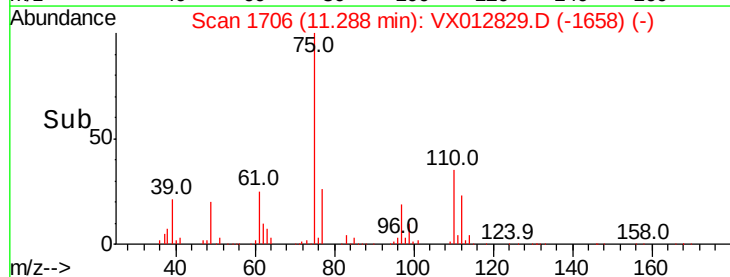
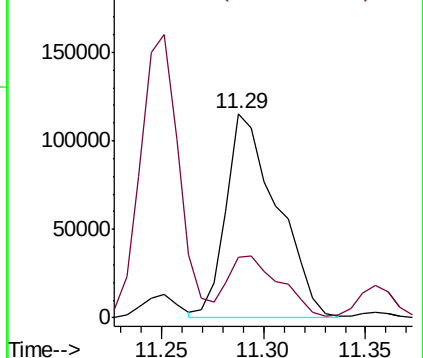
75 100

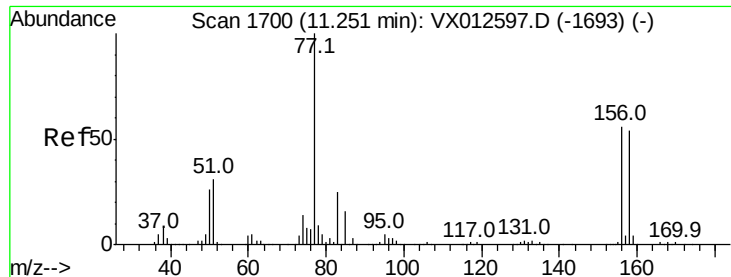
77 30.8 19.7 59.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 54.266 ug/l

RT: 11.25 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

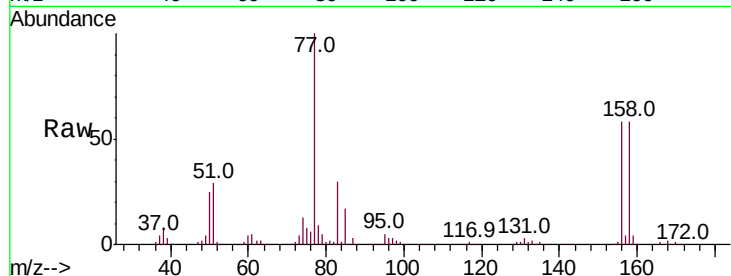
Tot Ion:156 Resp: 121436

Ion Ratio Lower Upper

156 100

77 172.9 87.3 261.8

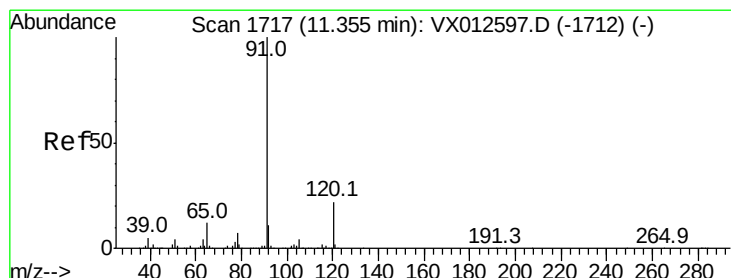
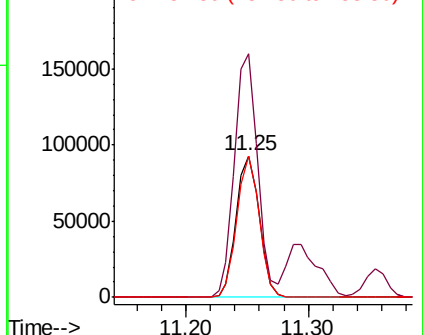
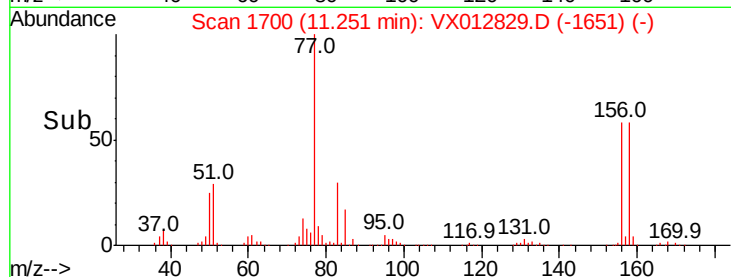
158 96.4 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.791 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012829.D

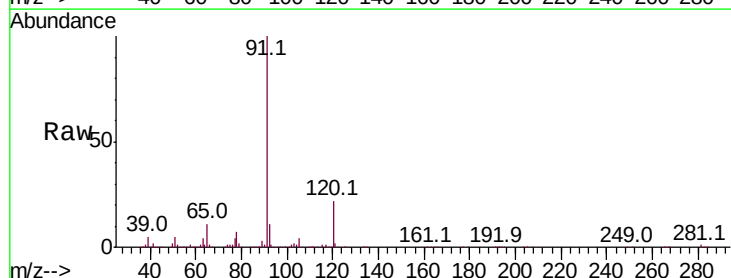
Acq: 07 Oct 2019 11:18

Tgt Ion: 91 Resp: 576514

Ion Ratio Lower Upper

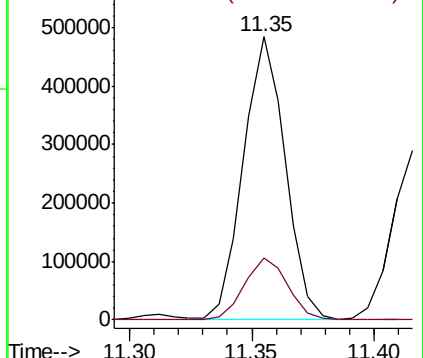
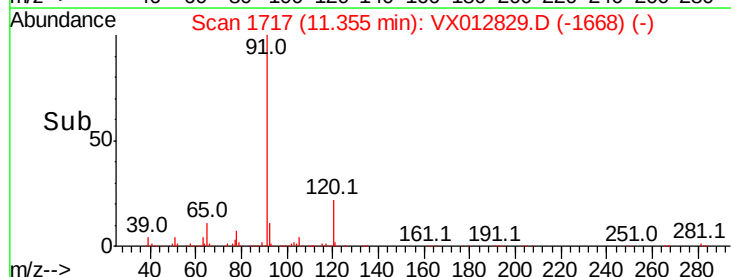
91 100

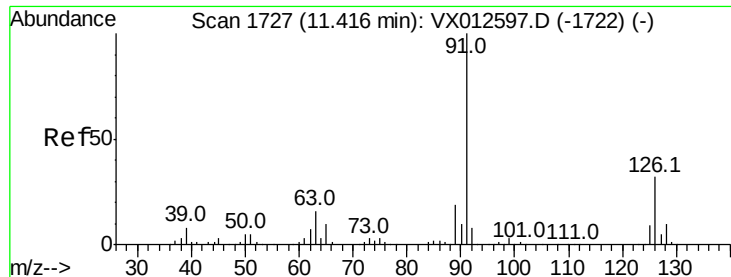
120 22.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.047 ug/l

RT: 11.42 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampled :

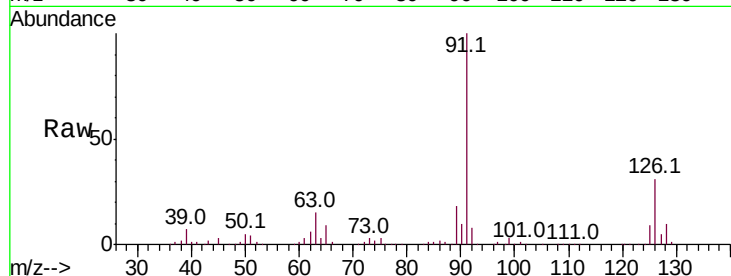
VSTDCCC050

Tot Ion: 91 Resp: 354474

Ion Ratio Lower Upper

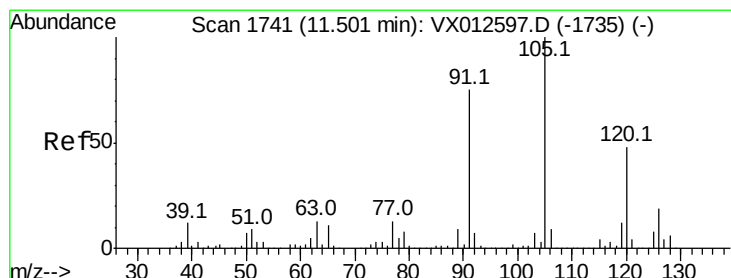
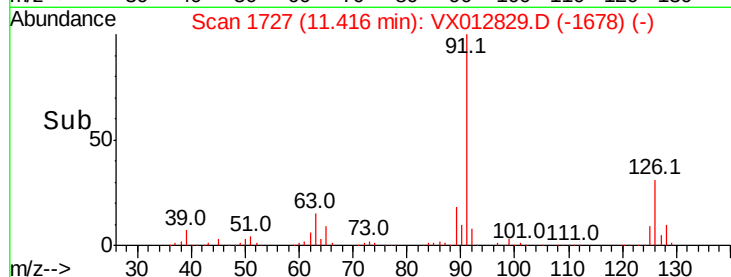
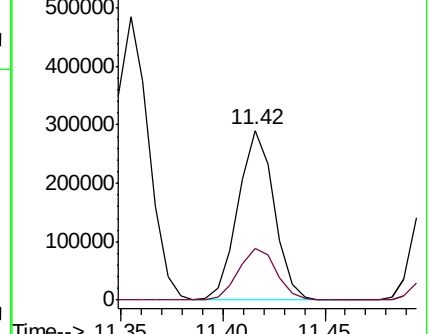
91 100

126 32.3 16.4 49.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.874 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012829.D

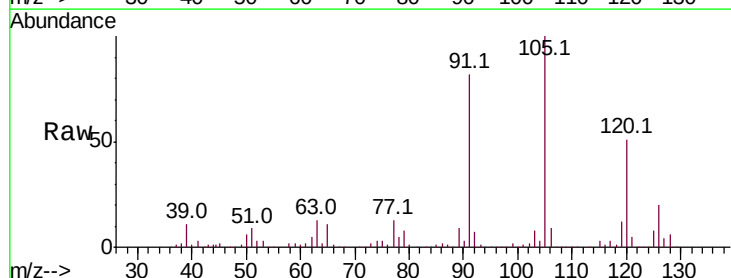
Acq: 07 Oct 2019 11:18

Tgt Ion:105 Resp: 438400

Ion Ratio Lower Upper

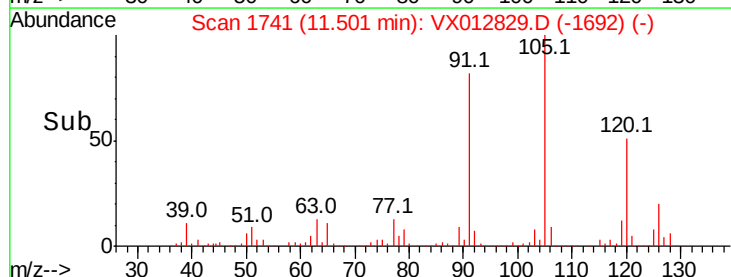
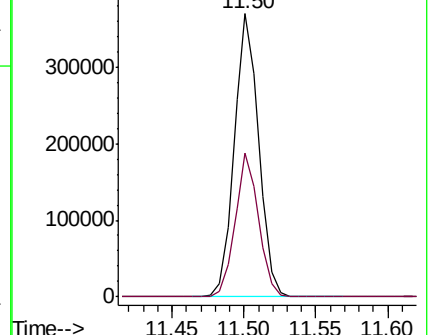
105 100

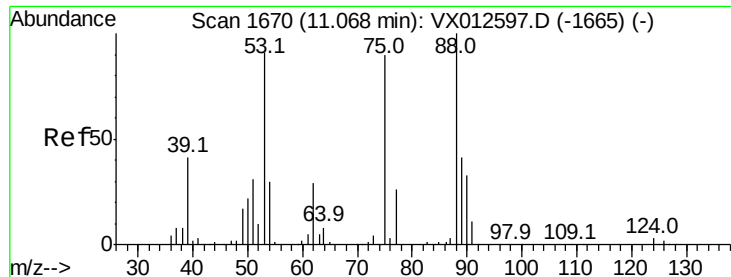
120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

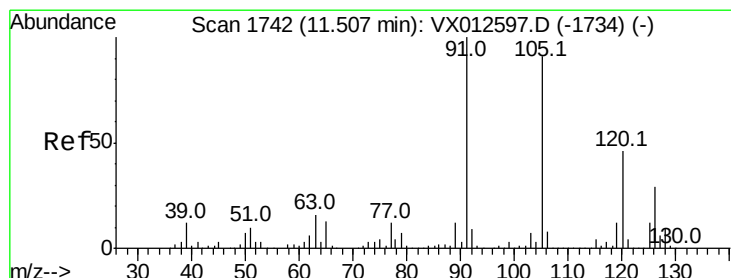
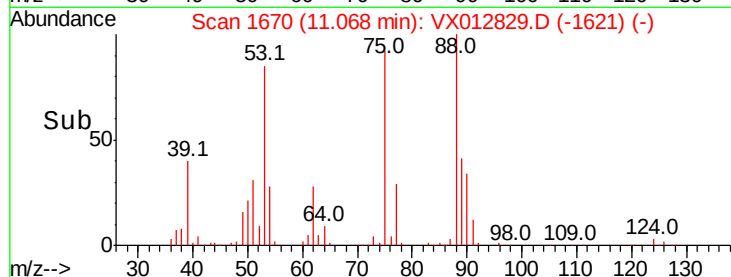
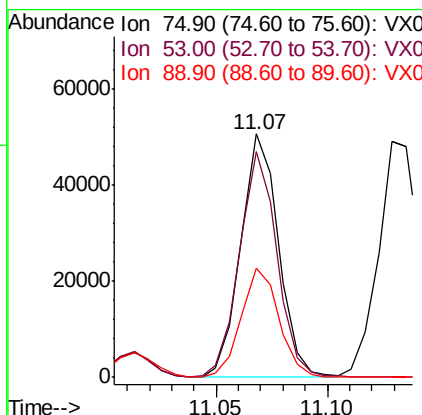
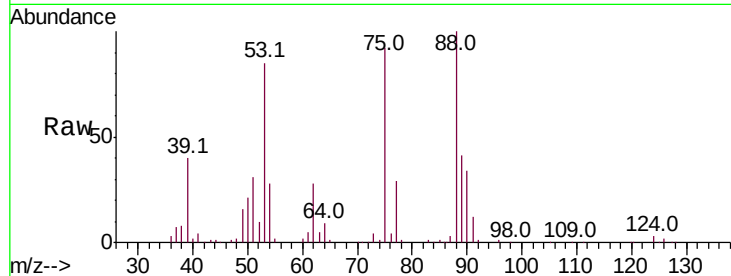




#81
trans-1,4-Dichloro-2-butene
Concen: 53.313 ug/l
RT: 11.07 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

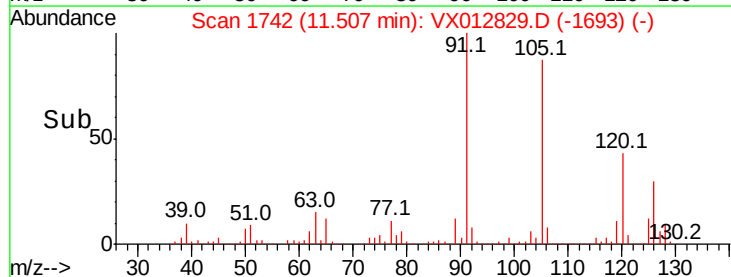
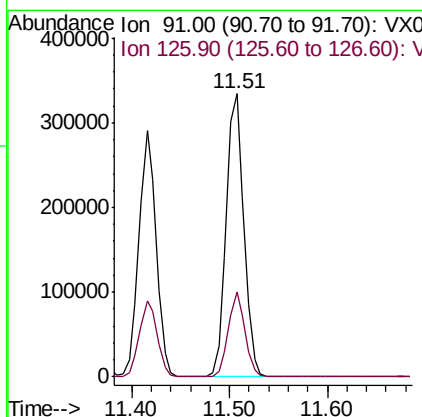
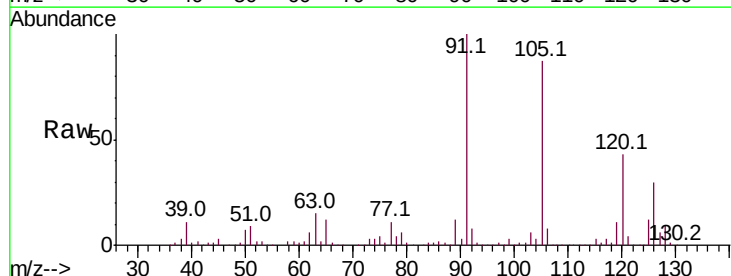
Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

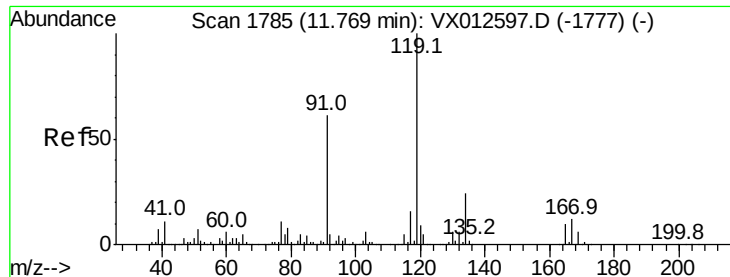
Tot Ion: 75 Resp: 59740
Ion Ratio Lower Upper
75 100
53 92.6 83.6 125.4
89 45.3 36.3 54.5



#82
4-Chlorotoluene
Concen: 52.903 ug/l
RT: 11.51 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion: 91 Resp: 418773
Ion Ratio Lower Upper
91 100
126 28.2 14.4 43.0

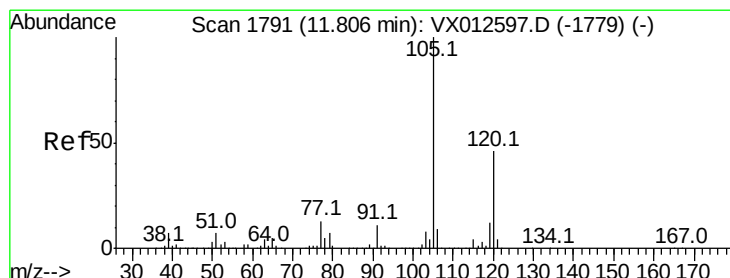
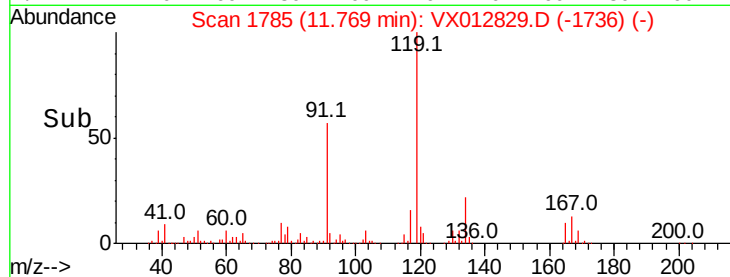
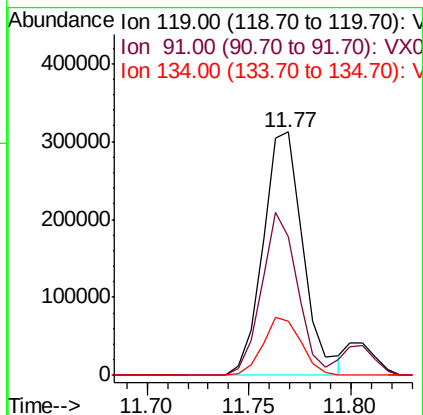
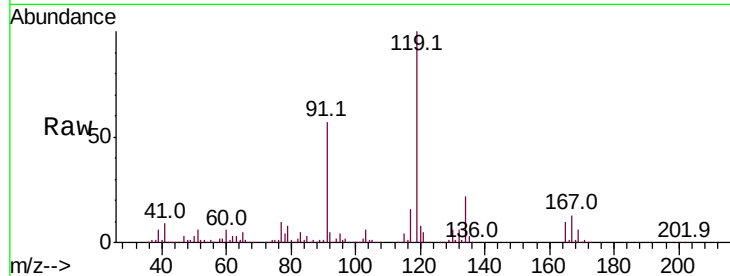




#83
 tert-Butylbenzene
 Concen: 53.454 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

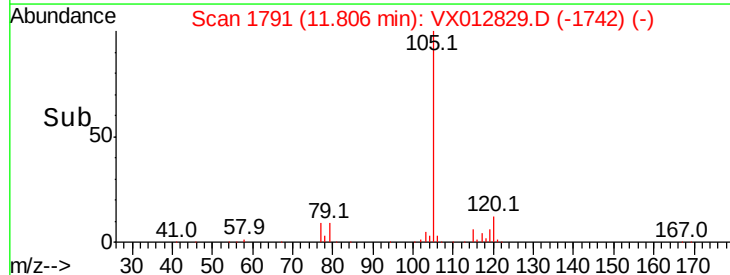
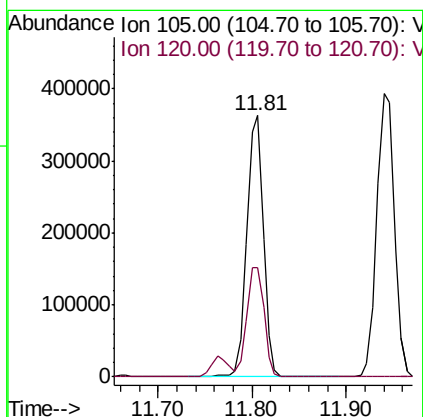
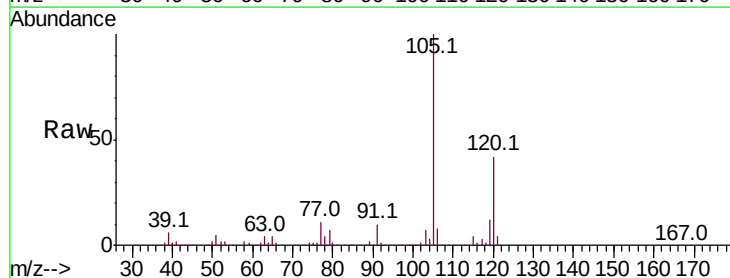
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

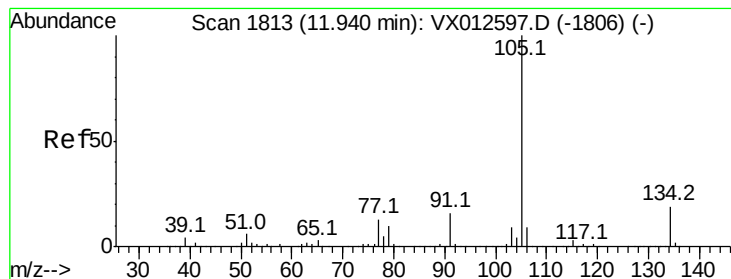
Tot Ion:119 Resp: 427540
 Ion Ratio Lower Upper
 119 100
 91 59.9 30.0 90.0
 134 22.7 11.3 33.9



#84
 1,2,4-Trimethylbenzene
 Concen: 53.264 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion:105 Resp: 445517
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.2 66.6





#85

sec-Butylbenzene

Concen: 55.108 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

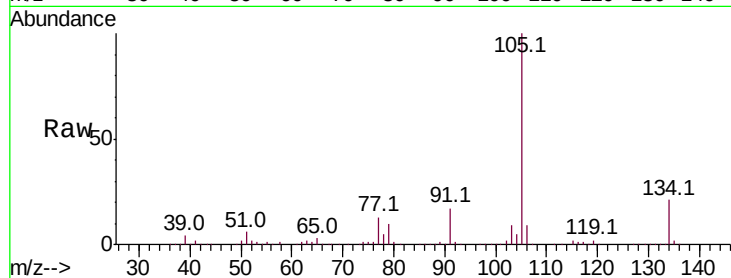
VSTDCCC050

Tot Ion:105 Resp: 512656

Ion Ratio Lower Upper

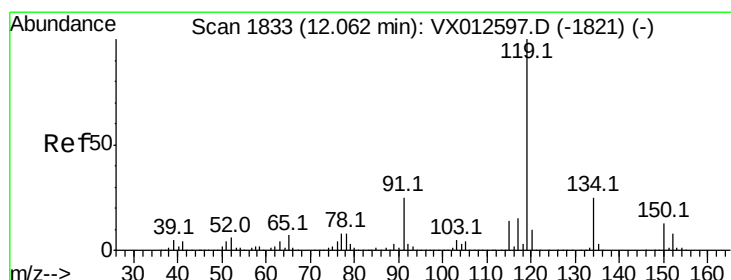
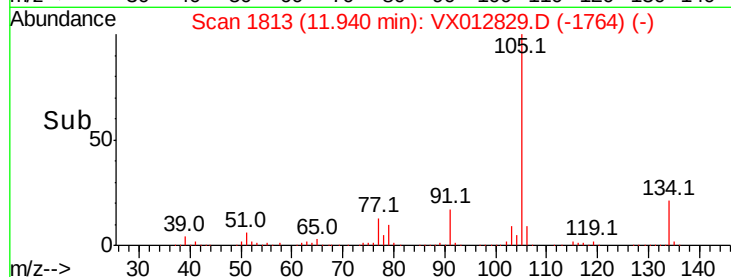
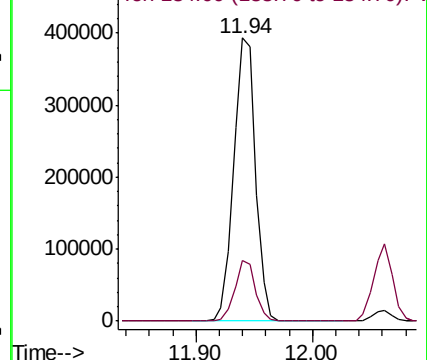
105 100

134 20.1 9.8 29.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.460 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

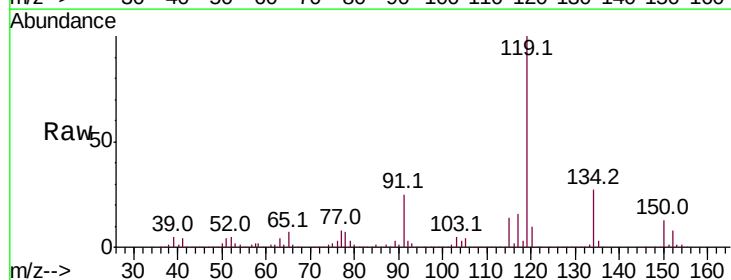
Tgt Ion:119 Resp: 473933

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

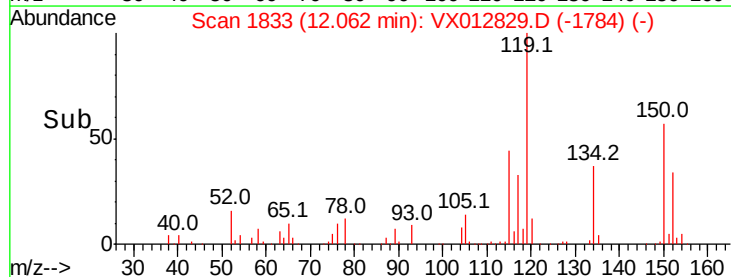
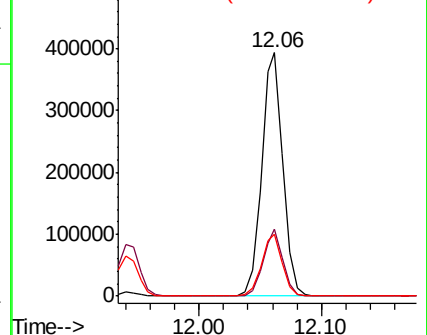
91 25.0 12.8 38.4

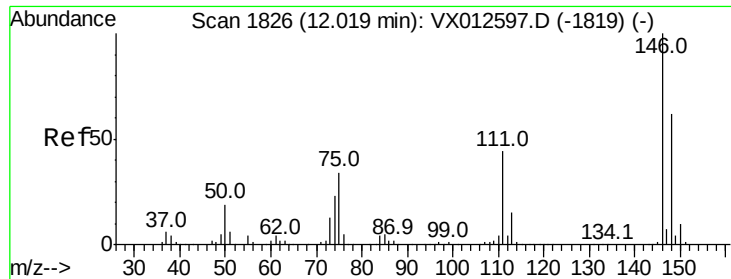


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 56.852 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

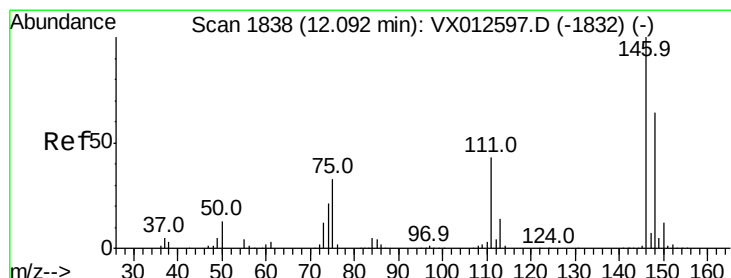
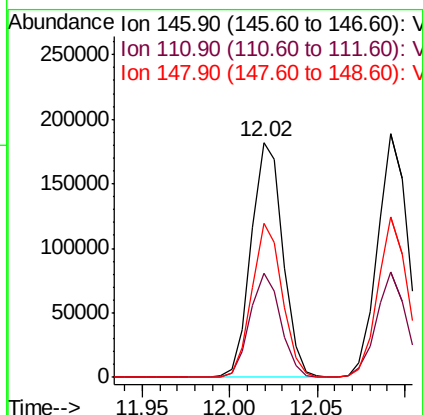
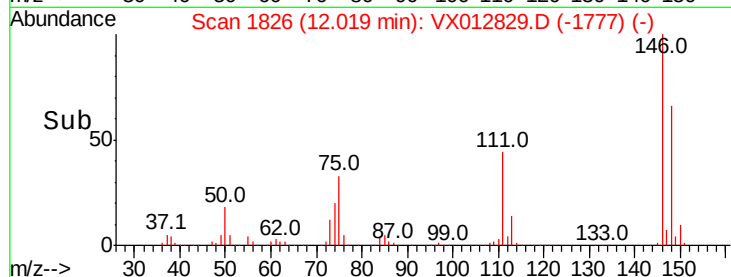
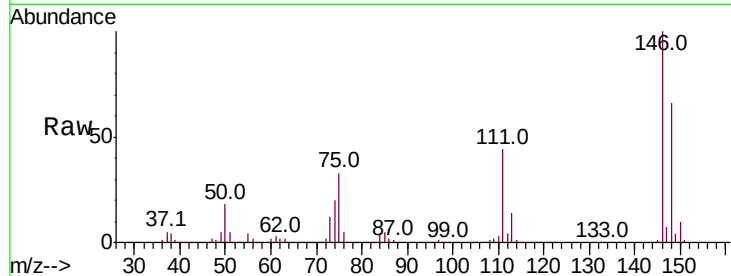
Tot Ion:146 Resp: 228953

Ion Ratio Lower Upper

146 100

111 43.2 21.3 64.0

148 62.9 32.4 97.2



#88

1,4-Dichlorobenzene

Concen: 55.694 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

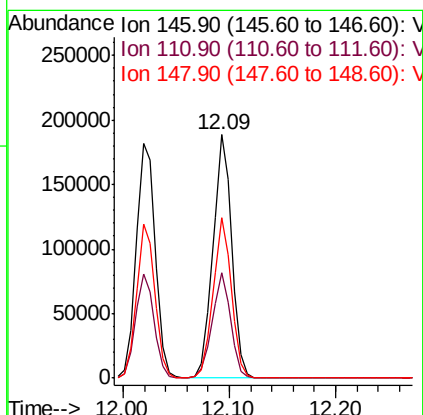
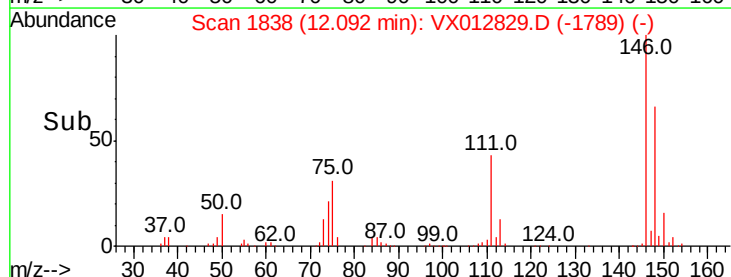
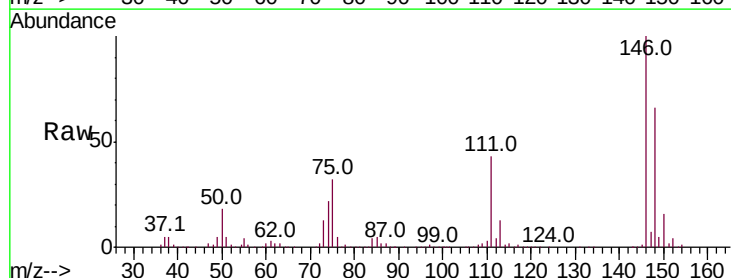
Tgt Ion:146 Resp: 226644

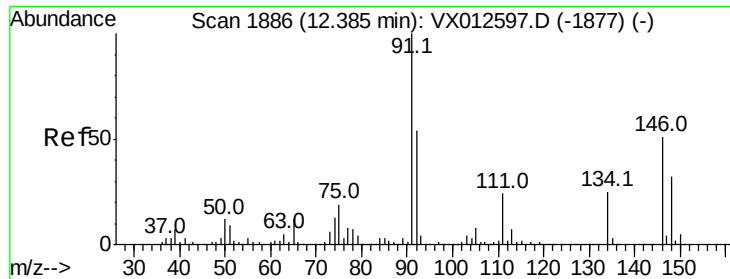
Ion Ratio Lower Upper

146 100

111 42.7 21.1 63.3

148 64.3 32.1 96.5





#89

n-Butylbenzene

Concen: 55.019 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX012829.D

Acq: 07 Oct 2019 11:18

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

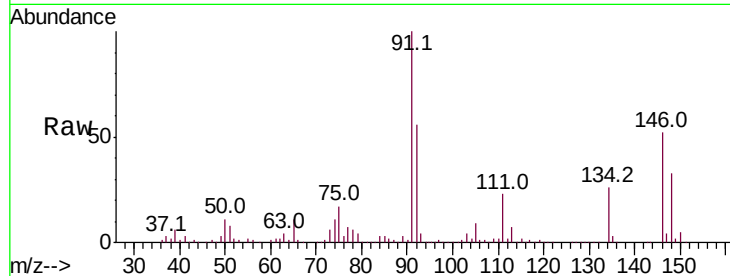
Tot Ion: 91 Resp: 406966

Ion Ratio Lower Upper

91 100

92 55.4 27.7 83.0

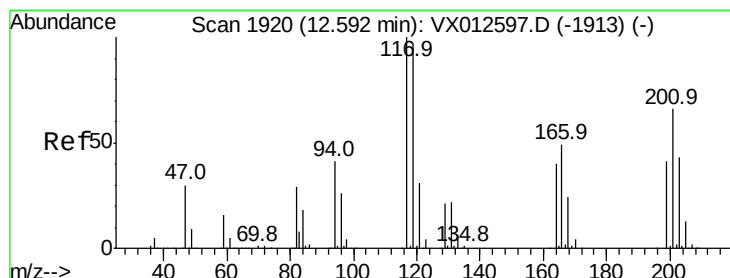
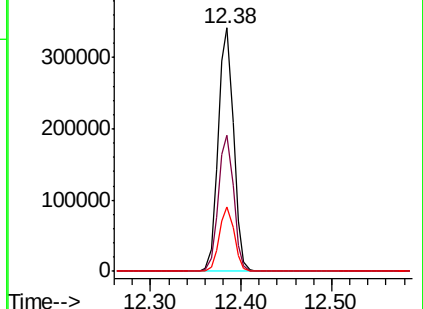
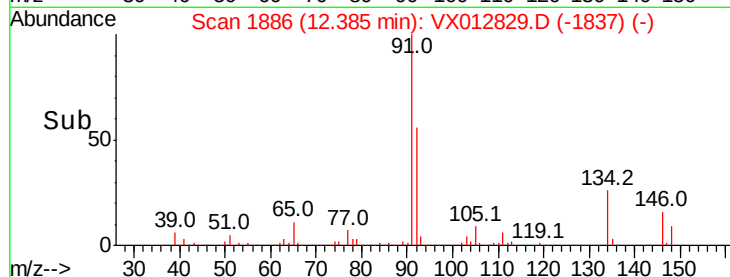
134 25.7 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VX012597.D (-1877) (-)

Ion 92.00 (91.70 to 92.70): VX012597.D (-1877) (-)

Ion 134.00 (133.70 to 134.70): VX012597.D (-1877) (-)



#90

Hexachloroethane

Concen: 55.453 ug/l

RT: 12.59 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VX012829.D

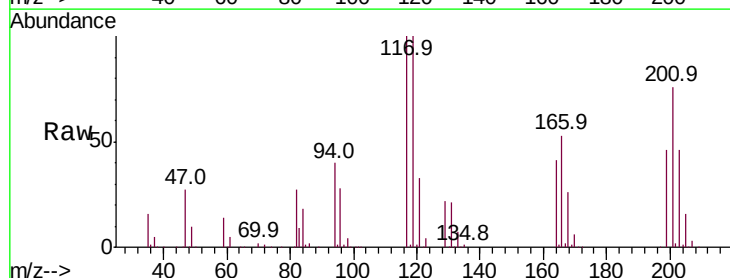
Acq: 07 Oct 2019 11:18

Tgt Ion: 117 Resp: 82986

Ion Ratio Lower Upper

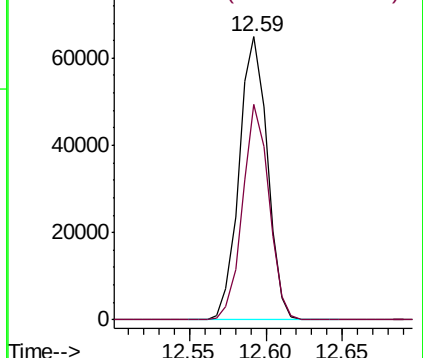
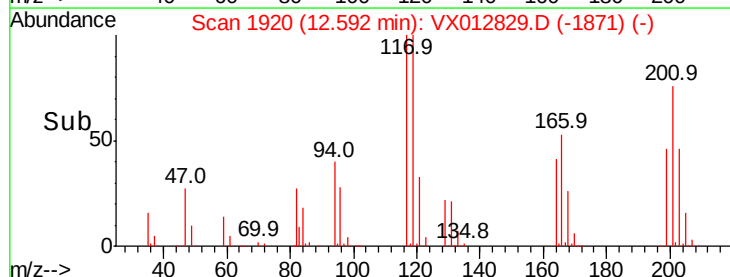
117 100

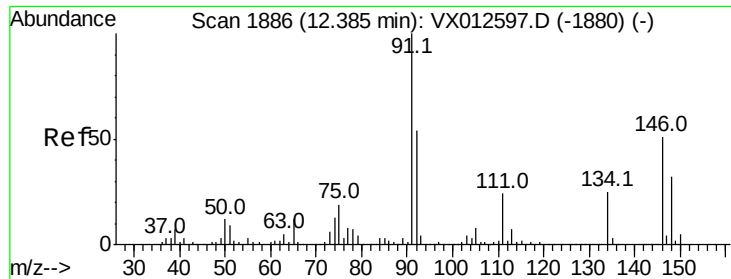
201 71.4 33.3 99.8



Abundance Ion 116.80 (116.50 to 117.50): VX012597.D (-1913) (-)

Ion 200.70 (200.40 to 201.40): VX012597.D (-1913) (-)

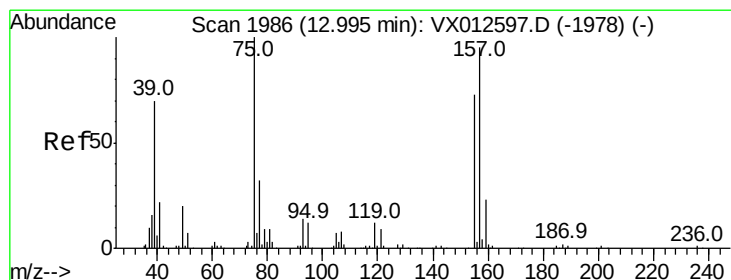
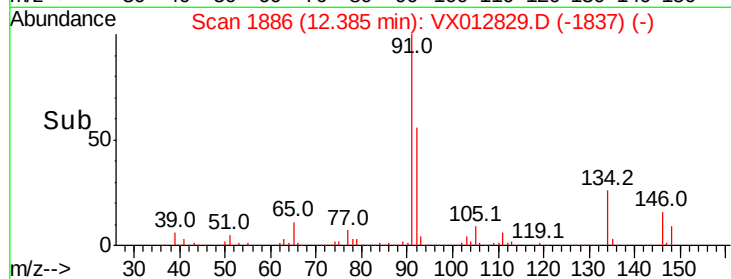
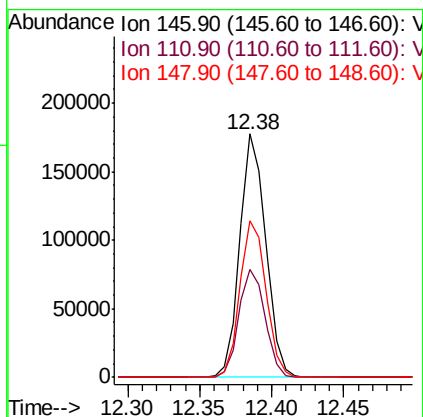
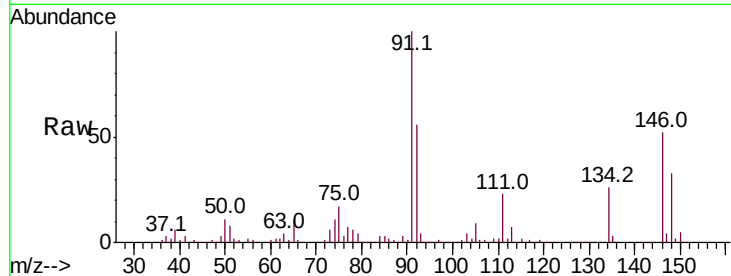




#91
 1,2-Dichlorobenzene
 Concen: 55.075 ug/l
 RT: 12.38 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

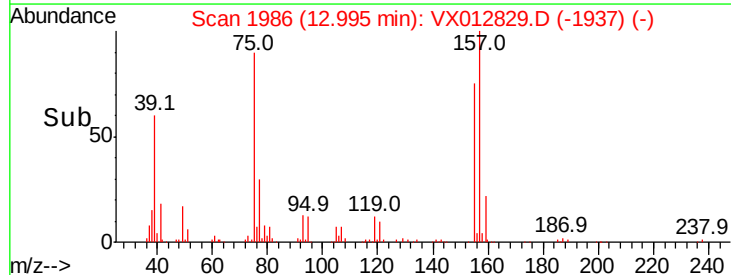
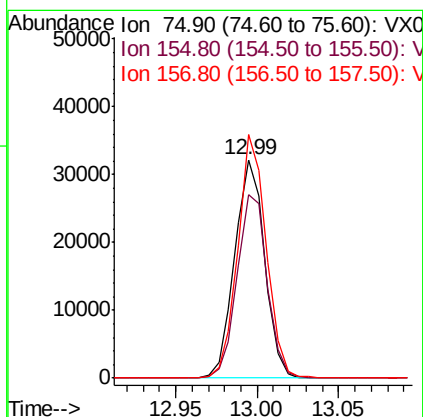
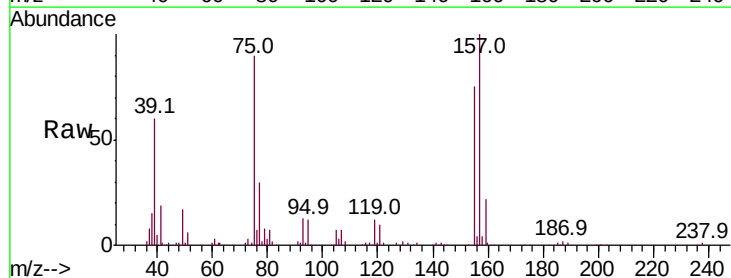
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

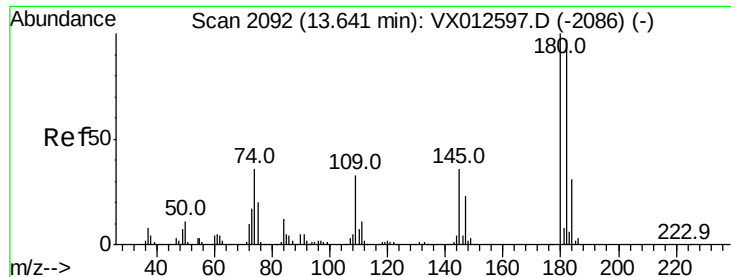
Tot Ion:146 Resp: 222052
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.1 66.1
 148 64.8 31.3 93.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.030 ug/l
 RT: 12.99 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion: 75 Resp: 40981
 Ion Ratio Lower Upper
 75 100
 155 85.1 38.6 115.8
 157 105.8 50.6 151.9

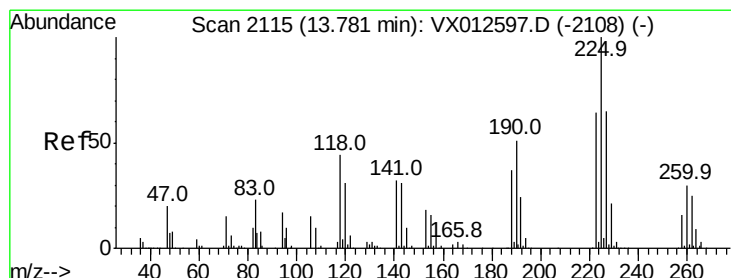
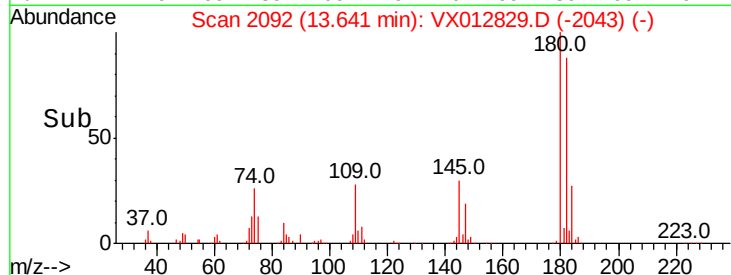
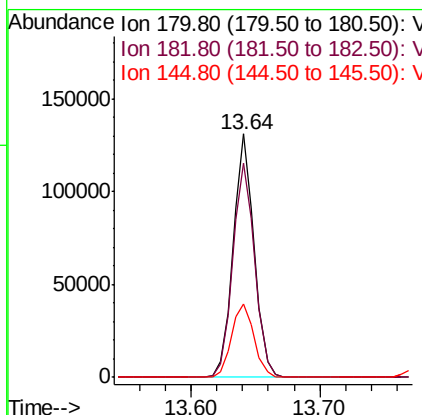
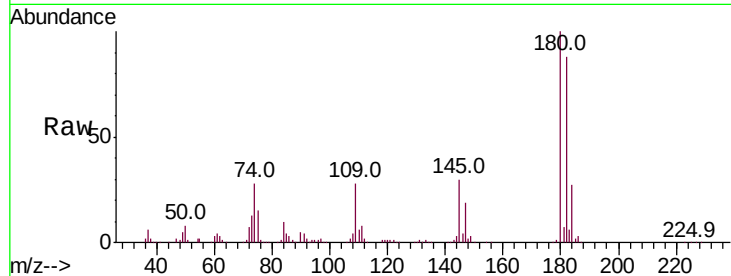




#93
 1,2,4-Trichlorobenzene
 Concen: 60.481 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

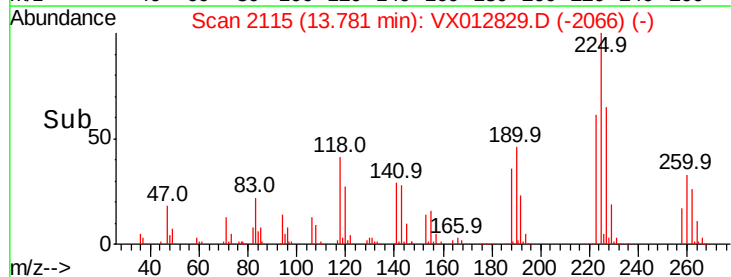
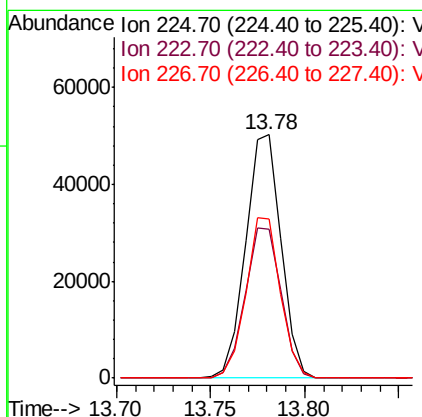
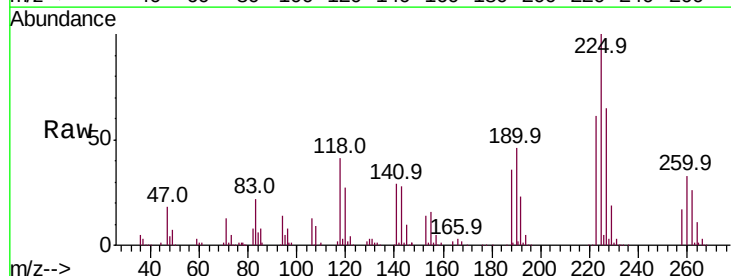
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

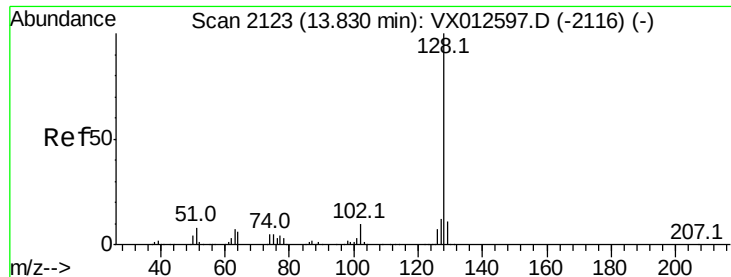
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.0	141.0
145	32.6	16.8	50.4



#94
 Hexachlorobutadiene
 Concen: 61.858 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VX012829.D
 Acq: 07 Oct 2019 11:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.0	96.2
227	63.9	31.9	95.5

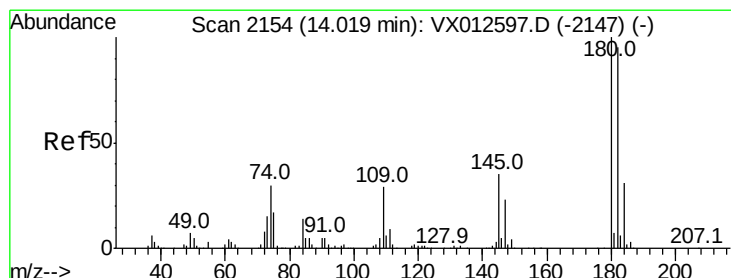
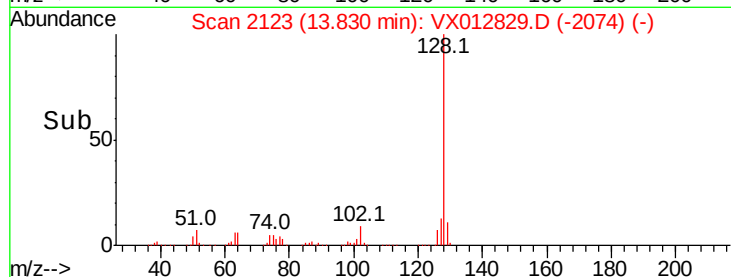
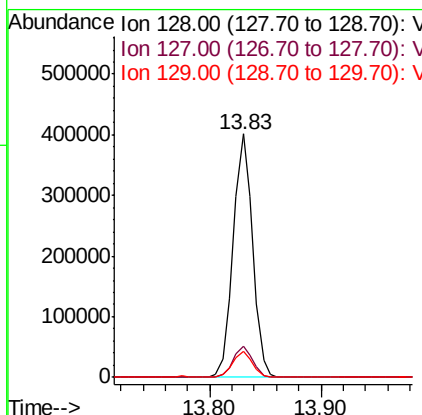
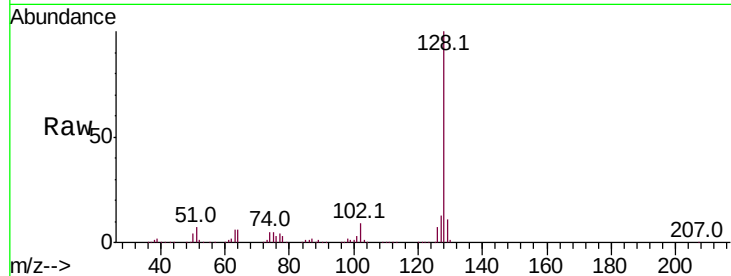




#95
Naphthalene
Concen: 54.259 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 482686
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 59.175 ug/l
RT: 14.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VX012829.D
Acq: 07 Oct 2019 11:18

Tgt Ion:180 Resp: 145750
Ion Ratio Lower Upper
180 100
182 93.2 47.1 141.3
145 34.8 18.0 54.0

