

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101519\
 Data File : VY000319.D
 Acq On : 15 Oct 2019 17:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 15 18:00:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	301250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	499794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	454816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	230390	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	166174	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	
35) Dibromofluoromethane	7.73	113	146143	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
50) Toluene-d8	10.18	98	619251	53.40	ug/l	0.00
Spiked Amount			Recovery	=	106.80%	
62) 4-Bromofluorobenzene	12.48	95	231097	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	109568	45.670	ug/l	99
3) Chloromethane	2.12	50	152449	41.413	ug/l	99
4) Vinyl Chloride	2.25	62	170374	45.860	ug/l	96
5) Bromomethane	2.65	94	119123	43.265	ug/l	99
6) Chloroethane	2.79	64	113776	47.464	ug/l	99
7) Trichlorofluoromethane	3.13	101	243380	47.892	ug/l	97
8) Diethyl Ether	3.53	74	90941	50.656	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.90	101	149225	48.419	ug/l	98
10) Methyl Iodide	4.09	142	201635	46.029	ug/l	99
11) Tert butyl alcohol	4.97	59	77758	233.823	ug/l	99
12) 1,1-Dichloroethene	3.88	96	145240	47.736	ug/l	96
13) Acrolein	3.74	56	113432	290.940	ug/l	99
14) Allyl chloride	4.49	41	253039	50.186	ug/l	99
15) Acrylonitrile	5.18	53	244732	243.552	ug/l	99
16) Acetone	3.95	43	231022	224.494	ug/l	97
17) Carbon Disulfide	4.19	76	441429	46.080	ug/l	98
18) Methyl Acetate	4.48	43	116594	45.600	ug/l	97
19) Methyl tert-butyl Ether	5.22	73	434924	51.350	ug/l	97
20) Methylene Chloride	4.72	84	195270	57.088	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	167678	48.035	ug/l	93
22) Diisopropyl ether	6.13	45	562502	52.748	ug/l	95
23) Vinyl Acetate	6.07	43	1815382	260.940	ug/l	99
24) 1,1-Dichloroethane	6.03	63	293928	50.496	ug/l	97
25) 2-Butanone	7.00	43	360066	248.382	ug/l	100
26) 2,2-Dichloropropane	6.99	77	268200	50.003	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	188838	49.994	ug/l	99
28) Bromochloromethane	7.35	49	136138	54.481	ug/l	99
29) Tetrahydrofuran	7.36	42	210873	240.026	ug/l	99
30) Chloroform	7.52	83	300760	51.307	ug/l	99
31) Cyclohexane	7.79	56	287164	47.234	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	264480	50.749	ug/l	99
36) 1,1-Dichloropropene	7.93	75	236556	48.343	ug/l	99
37) Ethyl Acetate	7.08	43	139668	48.204	ug/l	99
38) Carbon Tetrachloride	7.91	117	228795	48.291	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	308451	48.162	ug/l	97
40) Benzene	8.17	78	702630	49.687	ug/l	99
41) Methacrylonitrile	7.35	41	192197	139.356	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	199299	49.339	ug/l	99
43) Isopropyl Acetate	8.28	43	272510	49.464	ug/l	98
44) Trichloroethene	8.94	130	187821	47.337	ug/l	100
45) 1,2-Dichloropropane	9.22	63	175418	50.549	ug/l	93
46) Dibromomethane	9.31	93	94787	48.861	ug/l	96
47) Bromodichloromethane	9.50	83	234513	51.295	ug/l	99
48) Methyl methacrylate	9.30	41	121923	50.498	ug/l	98
49) 1,4-Dioxane	9.31	88	26415	908.135	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	740747	260.689	ug/l	100
52) Toluene	10.25	92	448444	49.949	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	251723	51.375	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	289991	52.116	ug/l	96
55) 1,1,2-Trichloroethane	10.65	97	143558	50.896	ug/l	99
56) Ethyl methacrylate	10.51	69	216268	53.793	ug/l	99
57) 1,3-Dichloropropane	10.80	76	248620	51.324	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	556706	347.159	ug/l	98
59) 2-Hexanone	10.83	43	557965	279.753	ug/l	100
60) Dibromochloromethane	10.99	129	163272	52.225	ug/l	97
61) 1,2-Dibromoethane	11.09	107	135238	49.935	ug/l	100
64) Tetrachloroethene	10.72	164	197907	45.707	ug/l	97
65) Chlorobenzene	11.52	112	470551	49.023	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	165920	49.208	ug/l	98
67) Ethyl Benzene	11.60	91	875136	49.182	ug/l	99
68) m/p-Xylenes	11.70	106	666739	98.017	ug/l	98
69) o-Xylene	12.03	106	315457	48.613	ug/l	97
70) Styrene	12.05	104	549996	50.256	ug/l	100
71) Bromoform	12.21	173	98903	51.025	ug/l #	99
73) Isopropylbenzene	12.33	105	869189	48.384	ug/l	100
74) N-amyl acetate	12.14	43	257671	58.426	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	165939	49.198	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	240219	84.793	ug/l #	100
77) Bromobenzene	12.61	156	190368	47.622	ug/l	99
78) n-propylbenzene	12.67	91	1057918	49.048	ug/l	99
79) 2-Chlorotoluene	12.76	91	586629	49.248	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	729447	48.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	62167	48.012	ug/l	98
82) 4-Chlorotoluene	12.86	91	611753	48.586	ug/l	99
83) tert-Butylbenzene	13.08	119	613497	48.093	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	726658	48.877	ug/l	99
85) sec-Butylbenzene	13.25	105	893088	48.396	ug/l	100
86) p-Isopropyltoluene	13.37	119	795423	49.441	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	380671	48.332	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	381105	48.411	ug/l	99
89) n-Butylbenzene	13.70	91	794855	49.996	ug/l	99
90) Hexachloroethane	13.96	117	148294	49.778	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	350886	49.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	30904	48.310	ug/l	96

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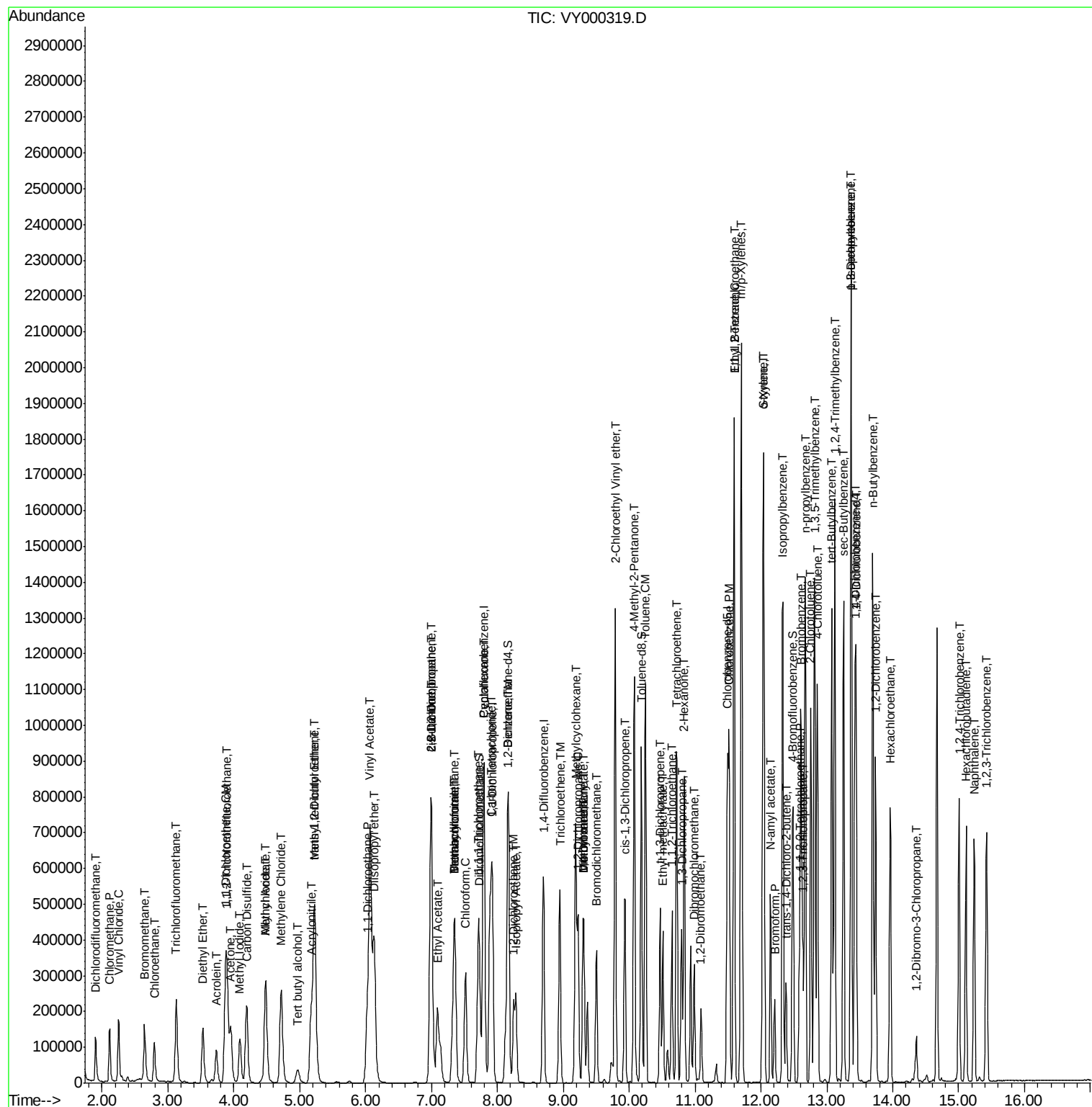
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	237364	47.830	ug/l	99
94) Hexachlorobutadiene	15.11	225	121776	45.344	ug/l	98
95) Naphthalene	15.23	128	535849	48.385	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	214020	47.852	ug/l	98

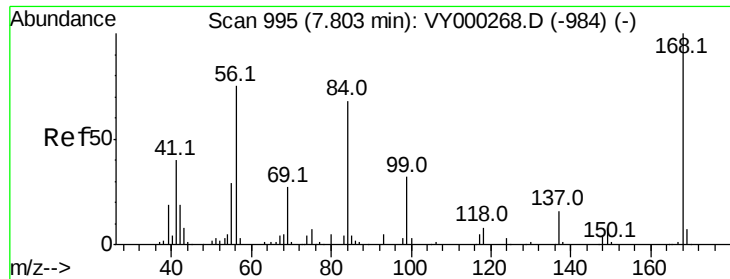
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

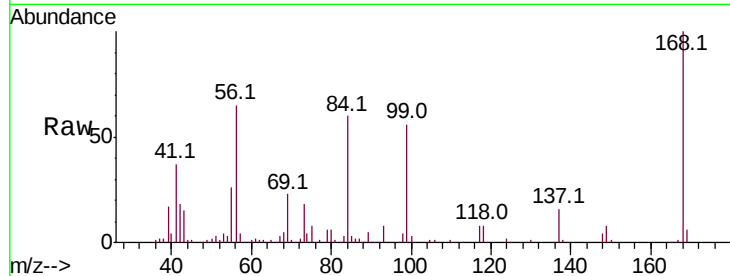
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 301250

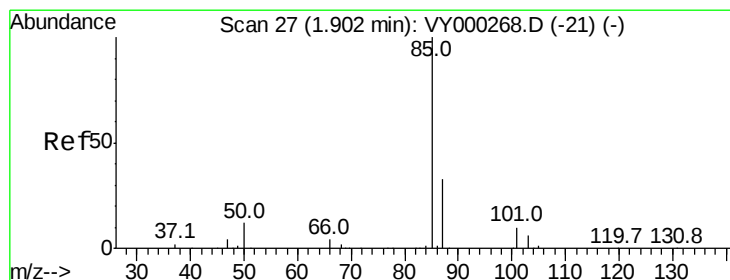
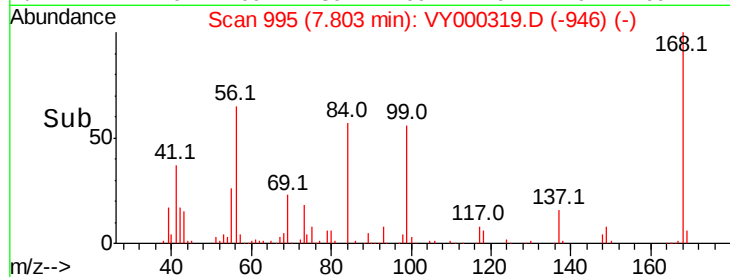
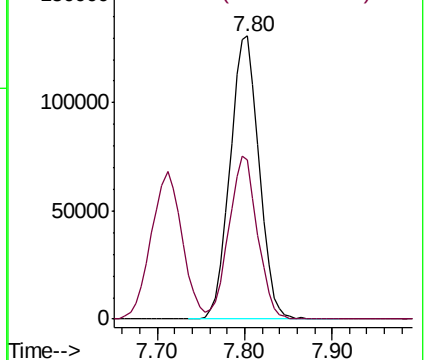
Ion Ratio Lower Upper

168 100

99 56.1 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000319.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: 45.670 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000319.D

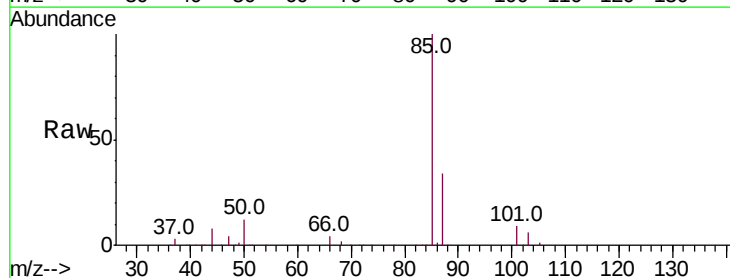
Acq: 15 Oct 2019 17:12

Tgt Ion: 85 Resp: 109568

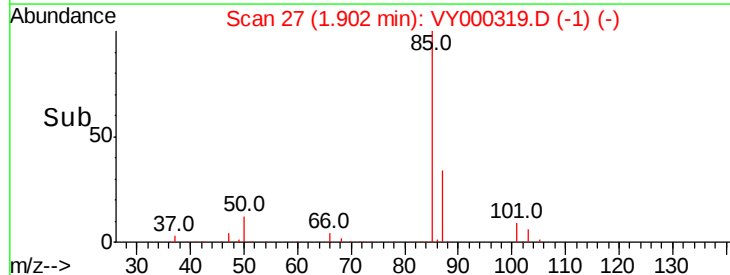
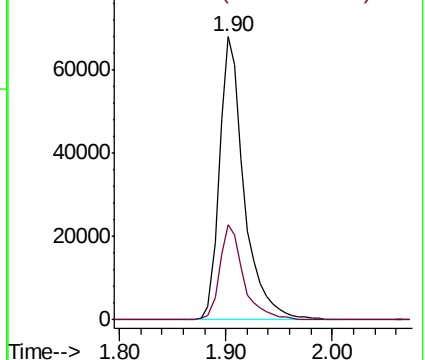
Ion Ratio Lower Upper

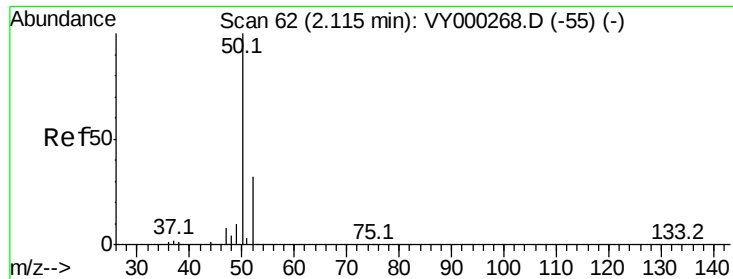
85 100

87 33.5 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000319.D (-1) (-)





#3

Chloromethane

Concen: 41.413 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

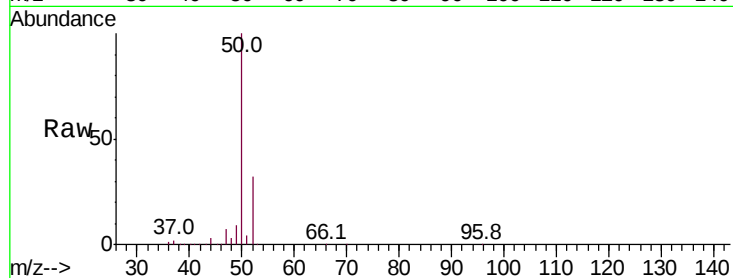
VSTDCCC050EC

Tot Ion: 50 Resp: 152449

Ion Ratio Lower Upper

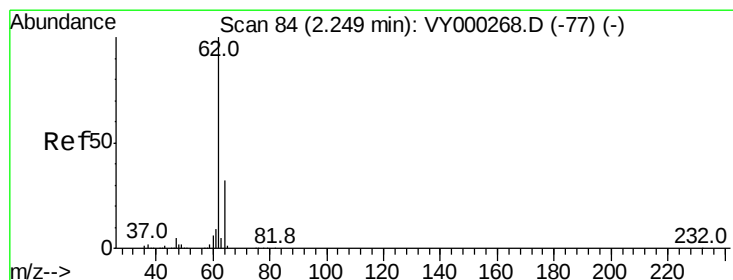
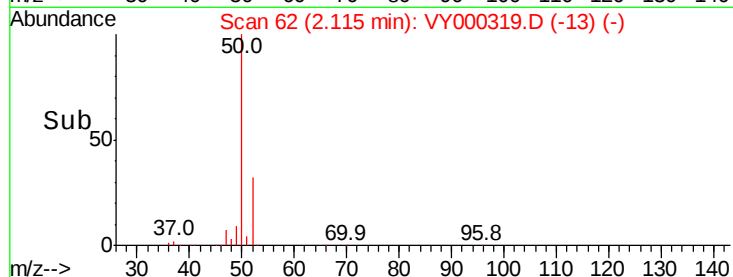
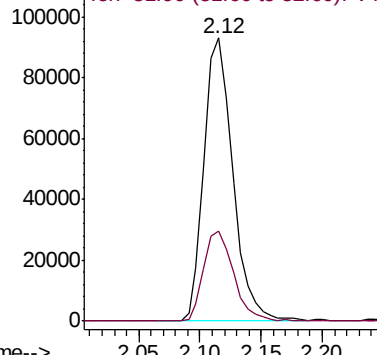
50 100

52 32.0 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 45.860 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000319.D

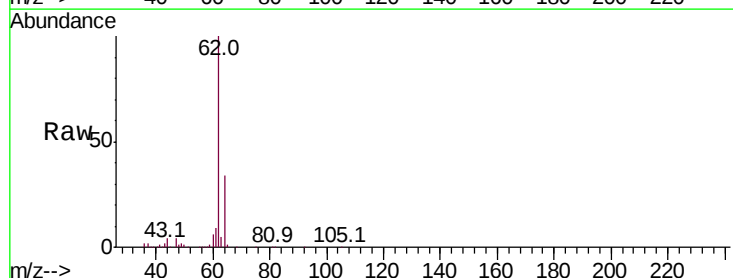
Acq: 15 Oct 2019 17:12

Tgt Ion: 62 Resp: 170374

Ion Ratio Lower Upper

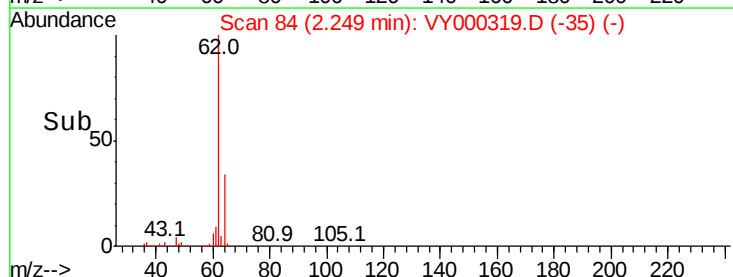
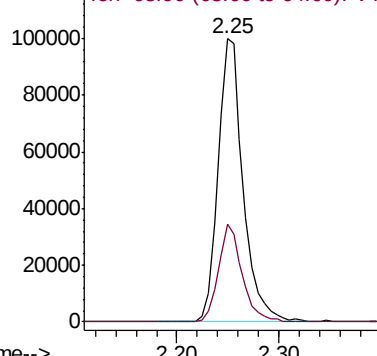
62 100

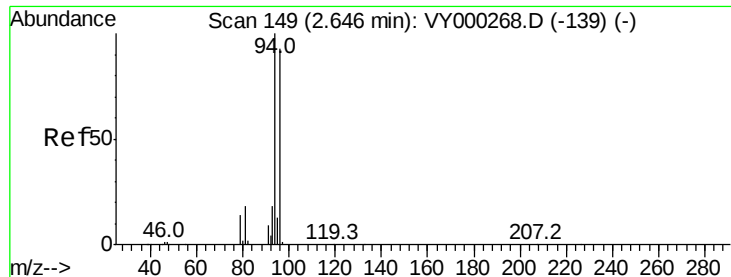
64 34.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 43.265 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

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ClientSampleId :

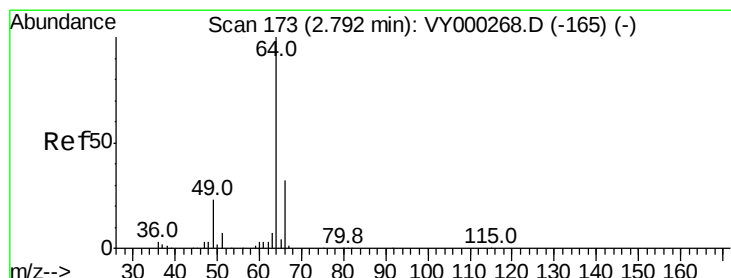
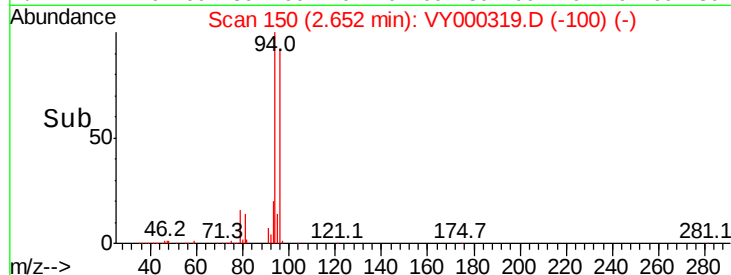
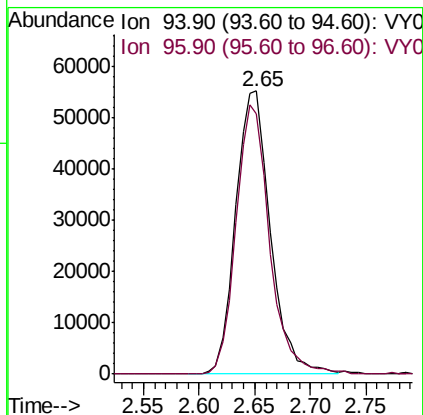
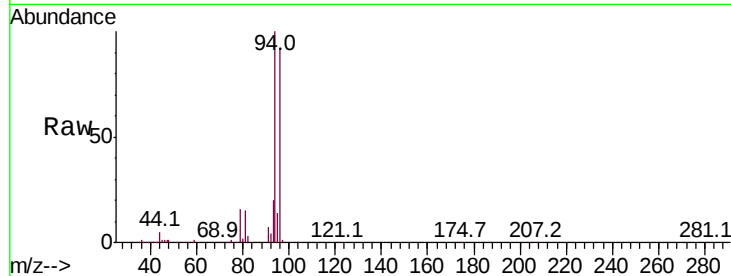
VSTDCCC050EC

Tot Ion: 94 Resp: 119123

Ion Ratio Lower Upper

94 100

96 92.0 74.2 111.2



#6

Chloroethane

Concen: 47.464 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000319.D

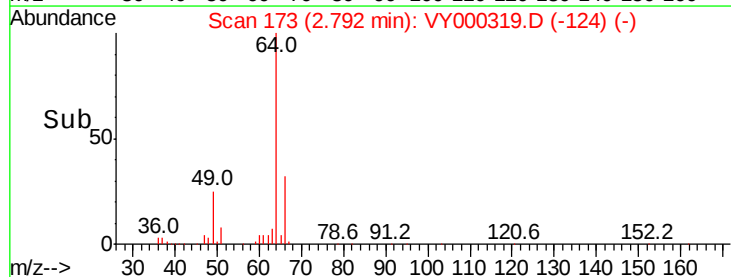
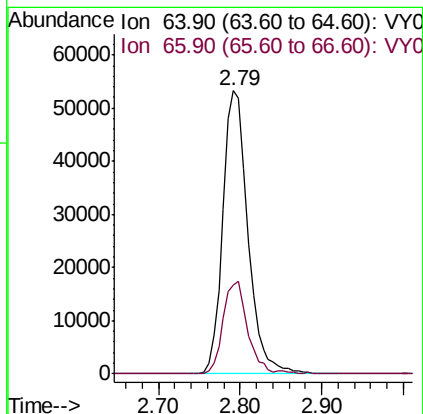
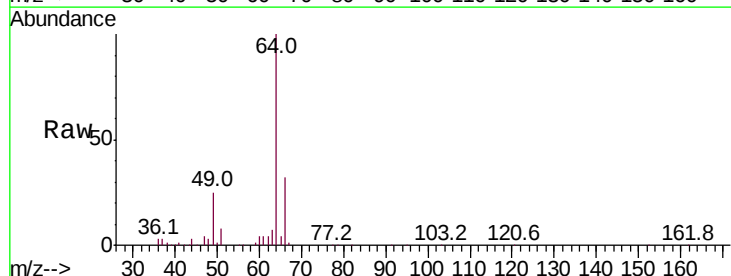
Acq: 15 Oct 2019 17:12

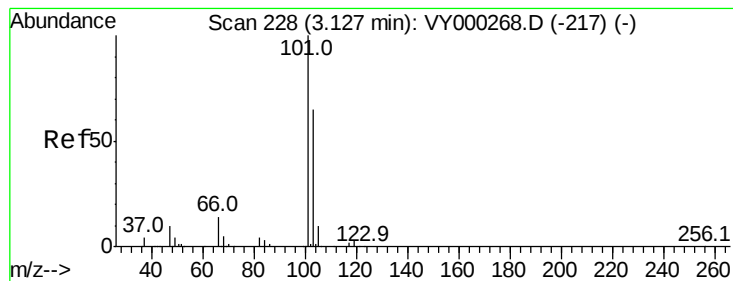
Tgt Ion: 64 Resp: 113776

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4



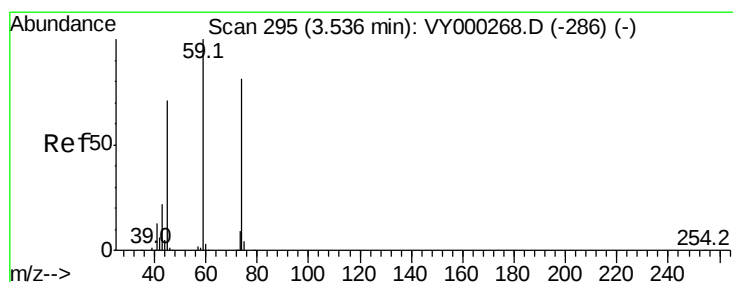
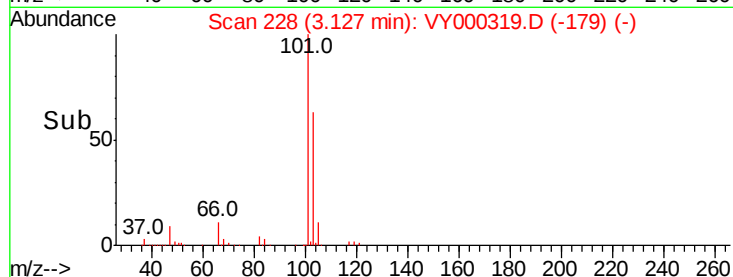
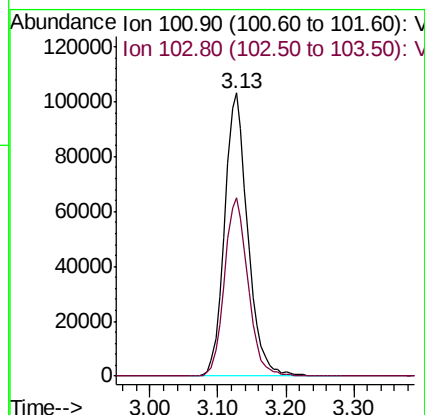
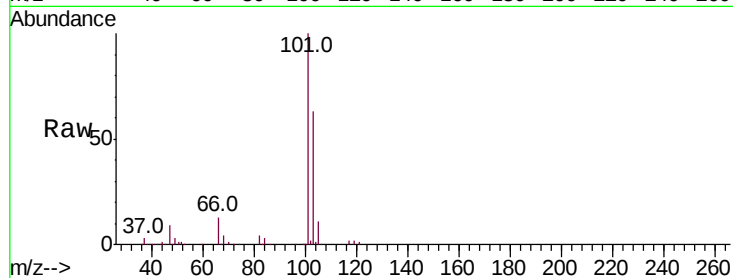


#7

Trichlorofluoromethane
 Concen: 47.892 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

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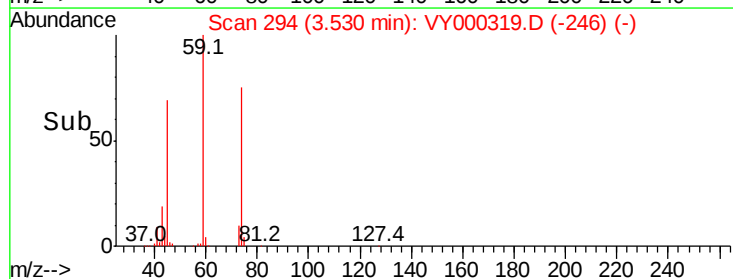
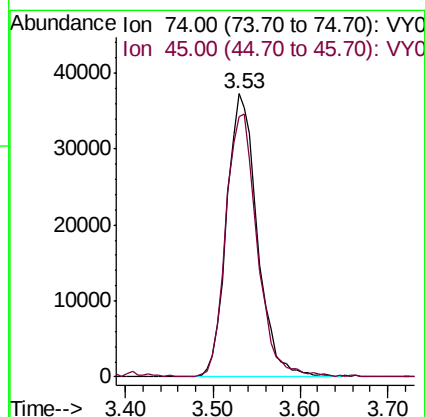
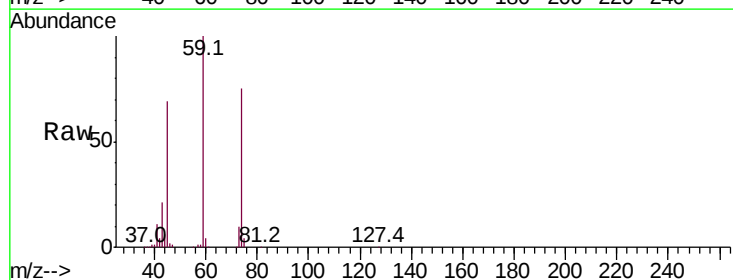
Tot Ion:101 Resp: 243380
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.2 78.4

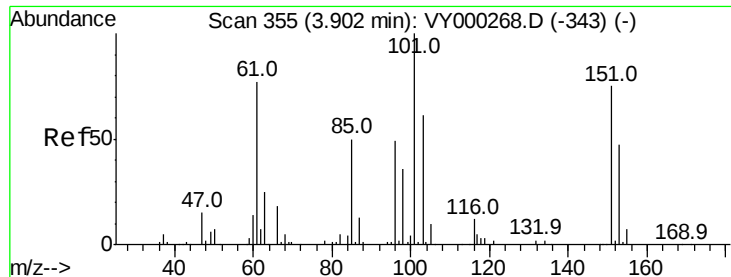


#8

Diethyl Ether
 Concen: 50.656 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Tgt Ion: 74 Resp: 90941
 Ion Ratio Lower Upper
 74 100
 45 95.2 47.1 141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.419 ug/l

RT: 3.90 min Scan# 354

Delta R.T. -0.01 min

Lab File: VY000319.D

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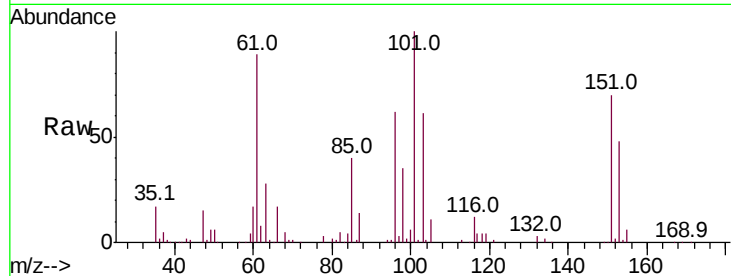
Tot Ion:101 Resp: 149225

Ion Ratio Lower Upper

101 100

85 45.0 36.6 55.0

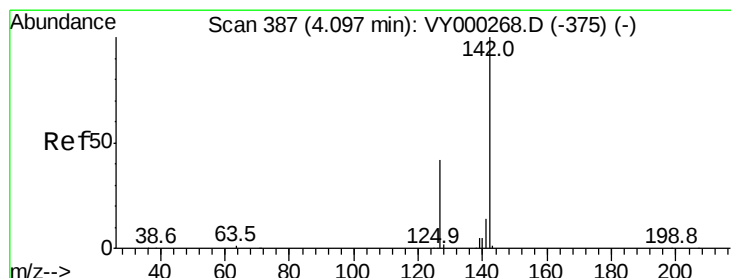
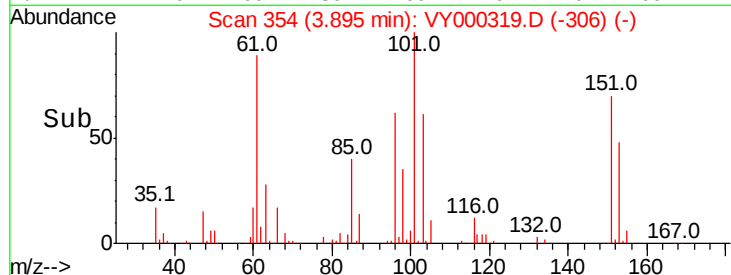
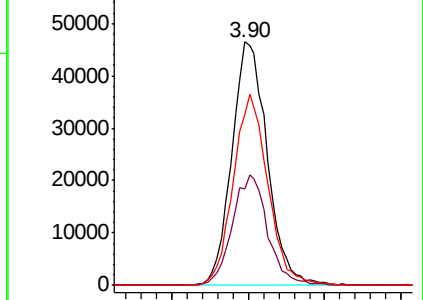
151 77.0 63.1 94.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.029 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

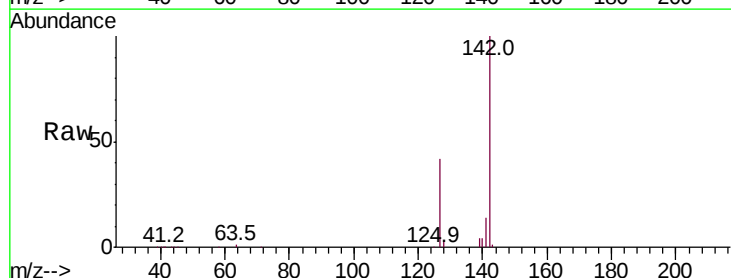
Tgt Ion:142 Resp: 201635

Ion Ratio Lower Upper

142 100

127 43.0 33.9 50.9

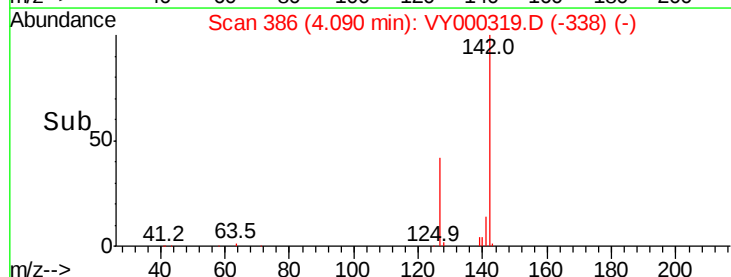
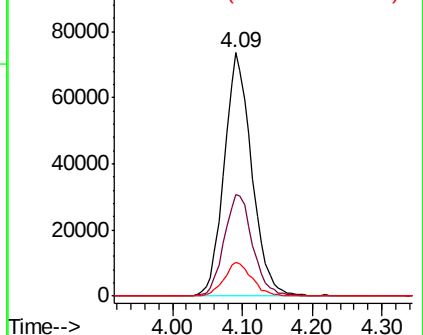
141 13.9 11.2 16.8

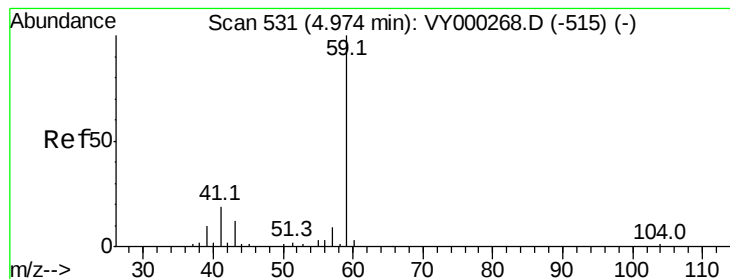


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



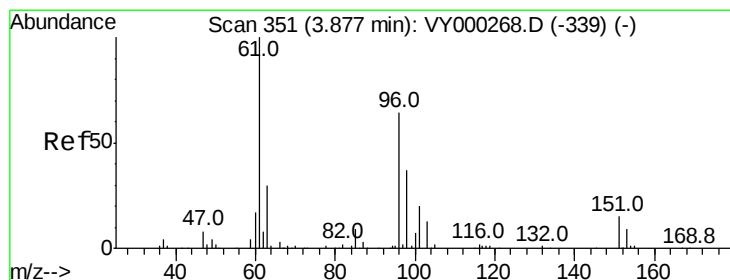
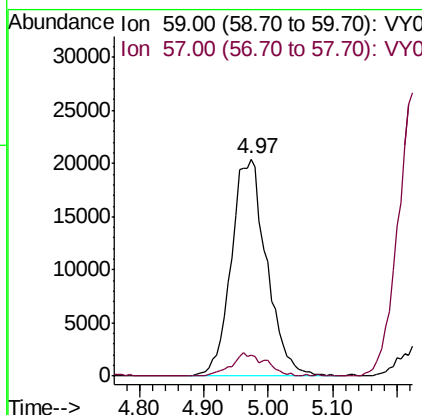
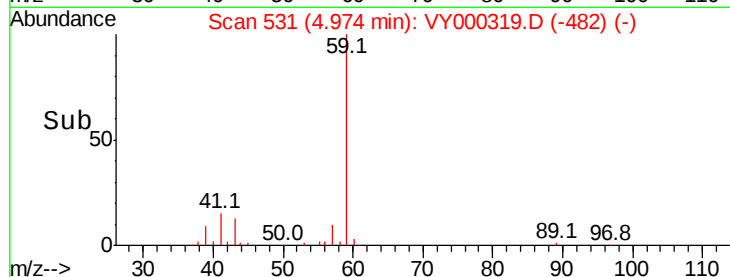
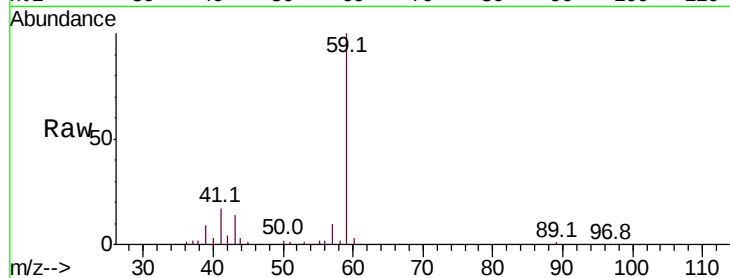


#11

Tert butyl alcohol
 Concen: 233.823 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

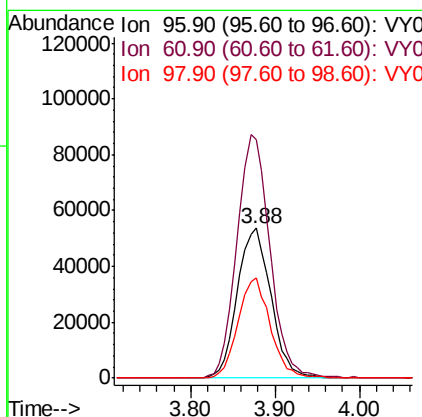
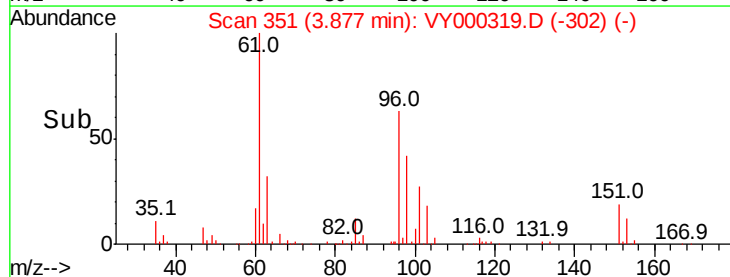
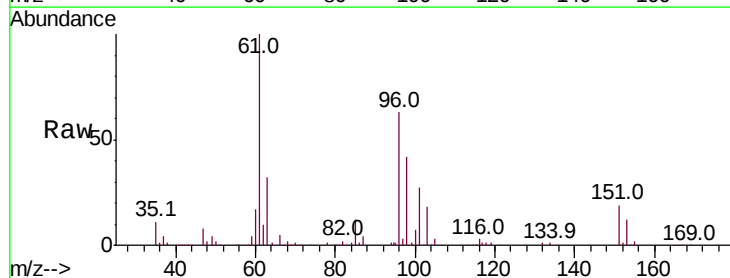
Tot Ion: 59 Resp: 77758
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.2 12.2

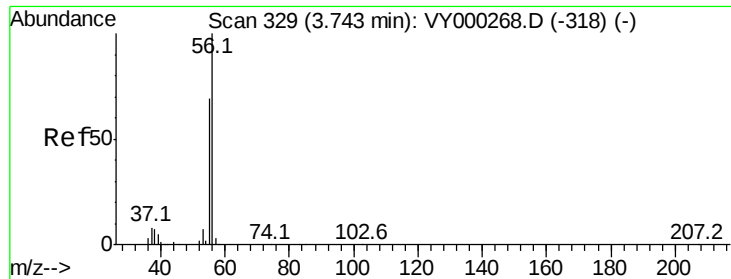


#12

1,1-Dichloroethene
 Concen: 47.736 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Tgt Ion: 96 Resp: 145240
 Ion Ratio Lower Upper
 96 100
 61 159.1 125.8 188.6
 98 66.8 46.2 69.2





#13

Acrolein

Concen: 290.940 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

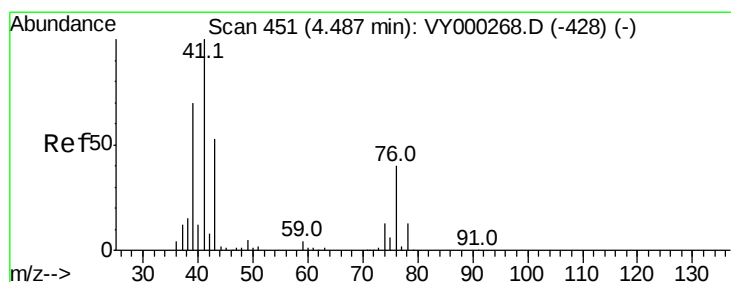
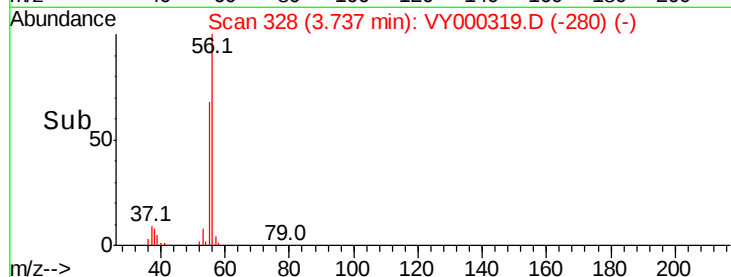
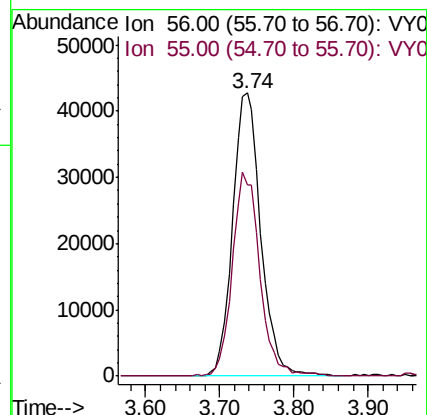
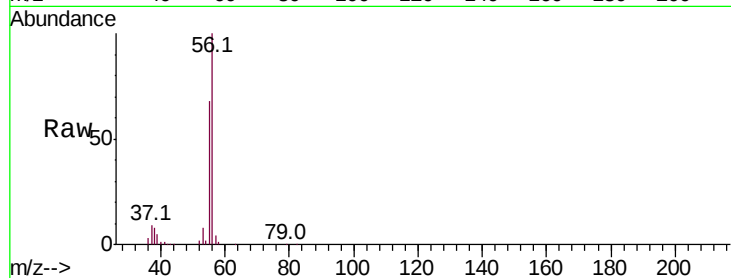
VSTDCCC050EC

Tot Ion: 56 Resp: 113432

Ion Ratio Lower Upper

56 100

55 70.3 55.7 83.5



#14

Allyl chloride

Concen: 50.186 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

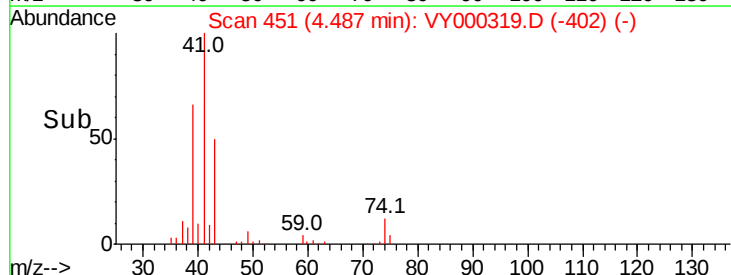
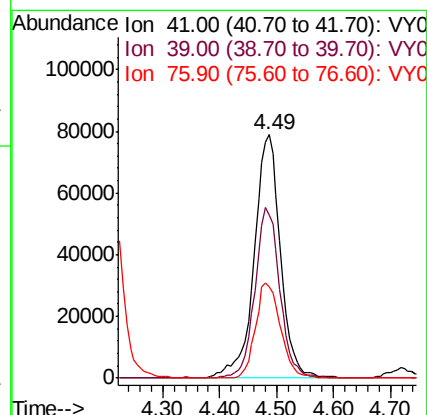
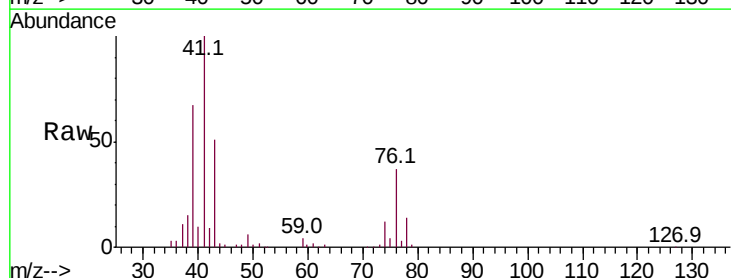
Tgt Ion: 41 Resp: 253039

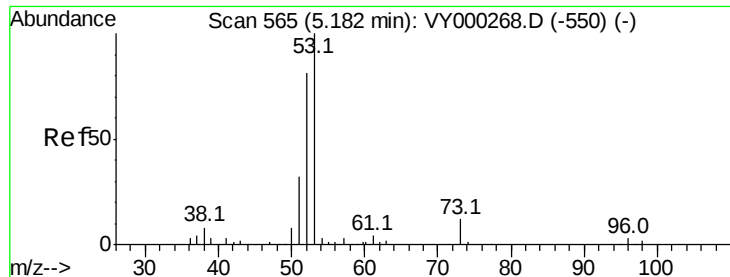
Ion Ratio Lower Upper

41 100

39 66.7 54.0 81.0

76 37.1 30.7 46.1





#15

Acrylonitrile

Concen: 243.552 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

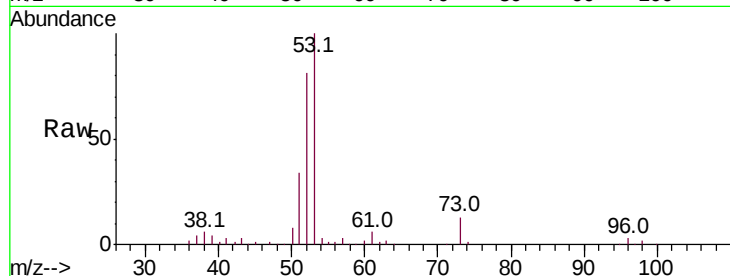
Tot Ion: 53 Resp: 244732

Ion Ratio Lower Upper

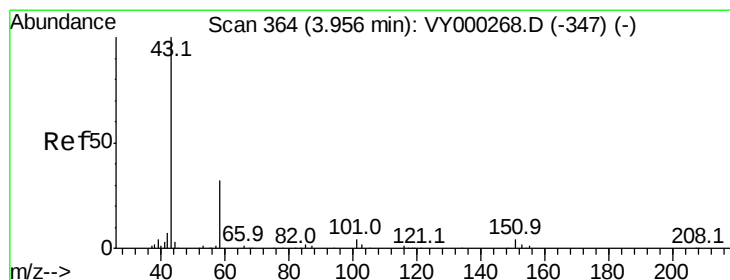
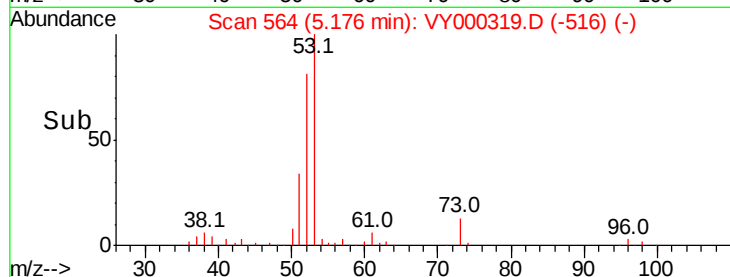
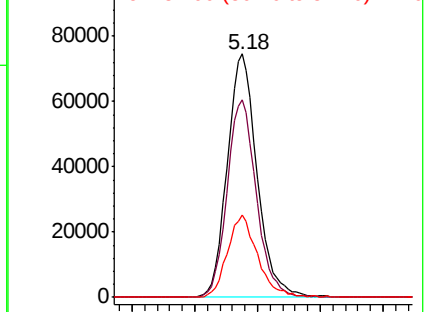
53 100

52 79.6 62.9 94.3

51 34.1 26.9 40.3



Abundance Ion 53.00 (52.70 to 53.70): VY0
Ion 52.00 (51.70 to 52.70): VY0
Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 224.494 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY000319.D

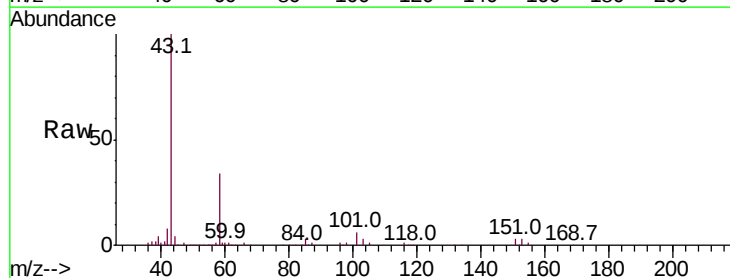
Acq: 15 Oct 2019 17:12

Tgt Ion: 43 Resp: 231022

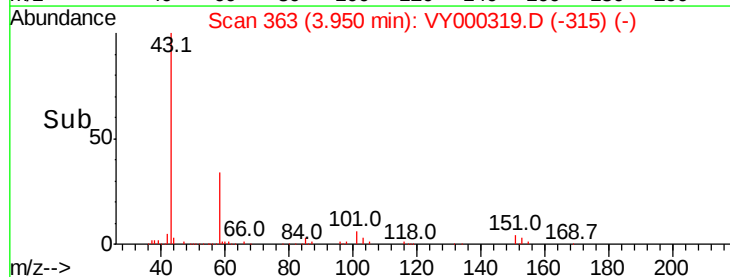
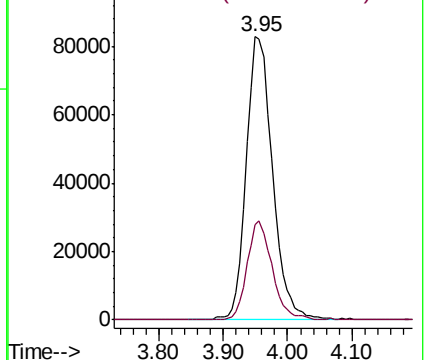
Ion Ratio Lower Upper

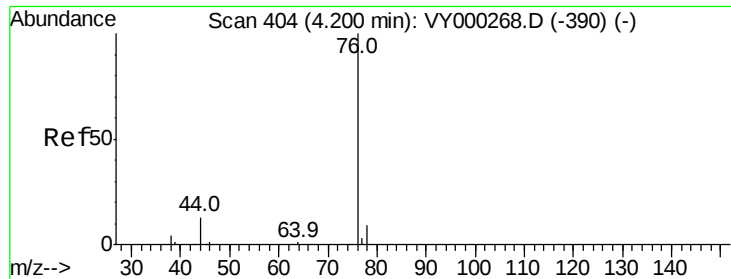
43 100

58 33.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

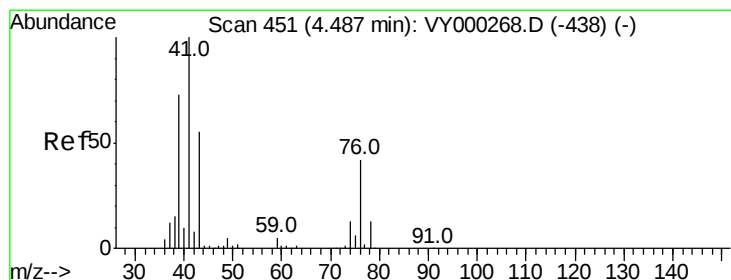
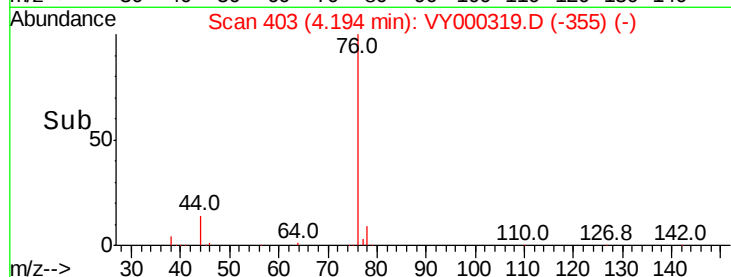
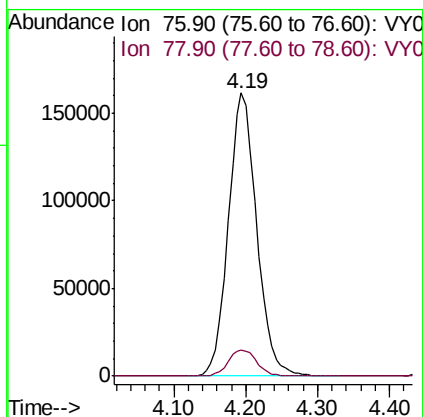
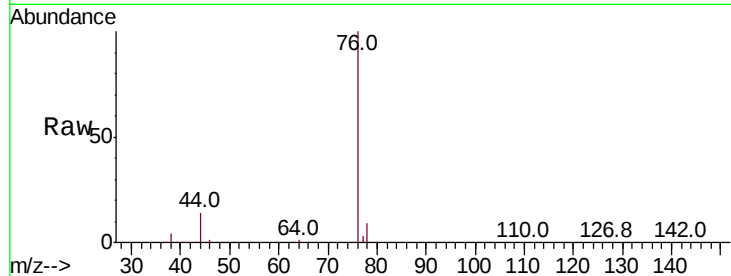




#17
Carbon Disulfide
Concen: 46.080 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

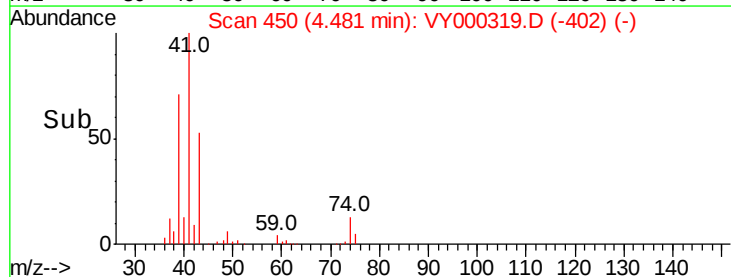
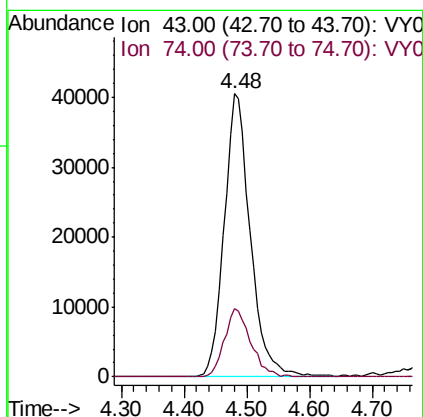
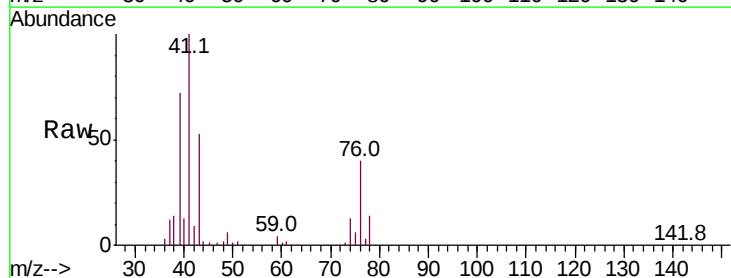
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

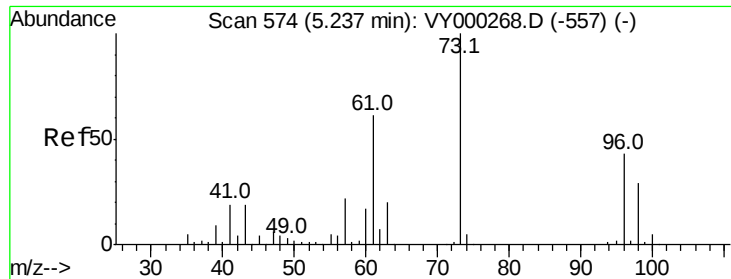
Tot Ion: 76 Resp: 441429
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.4



#18
Methyl Acetate
Concen: 45.600 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion: 43 Resp: 116594
Ion Ratio Lower Upper
43 100
74 24.2 20.4 30.6

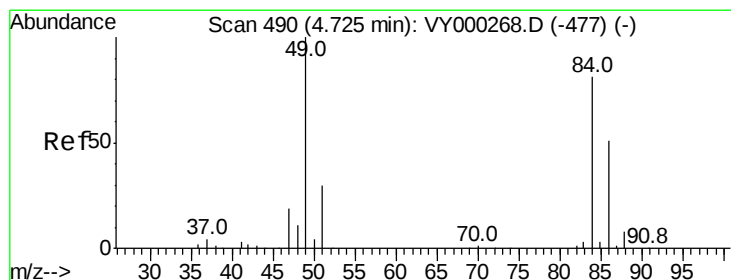
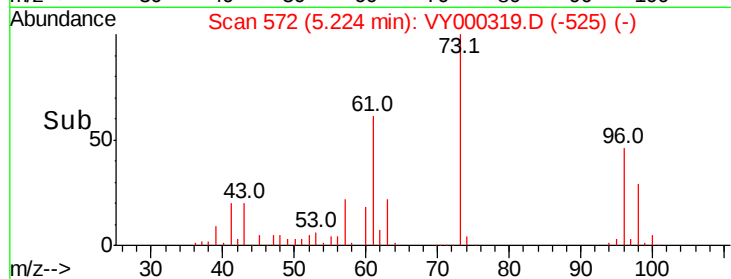
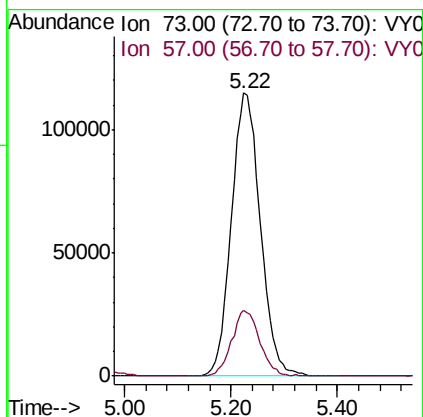
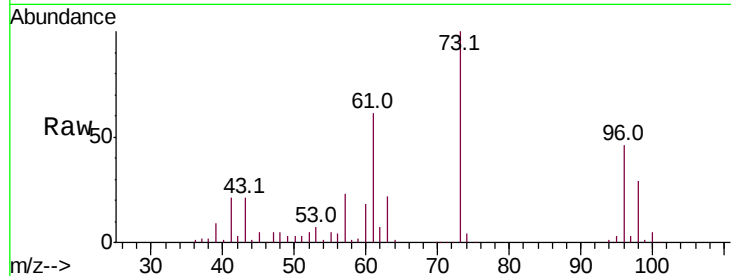




#19
Methvl tert-butvl Ether
Concen: 51.350 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

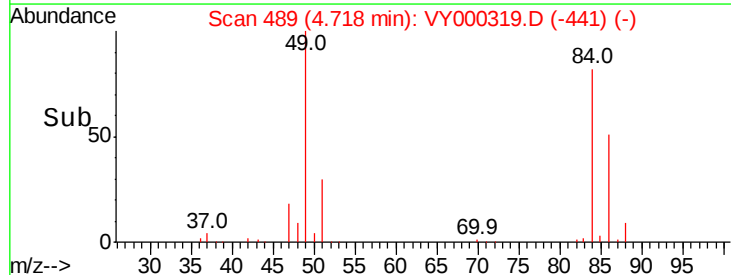
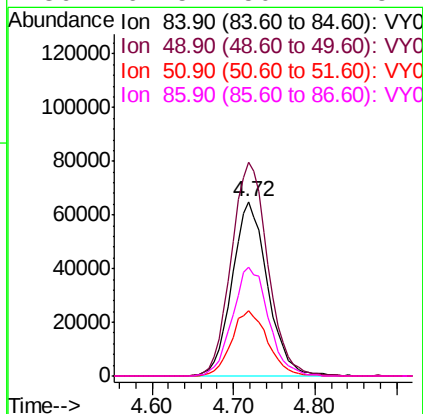
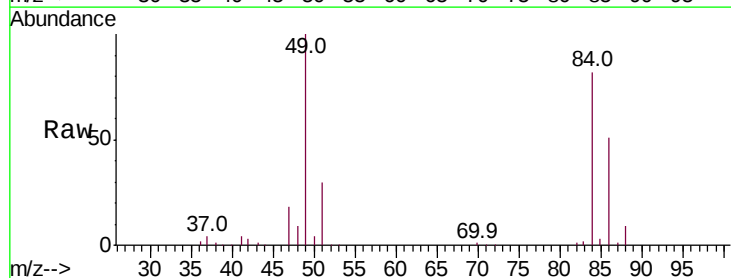
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

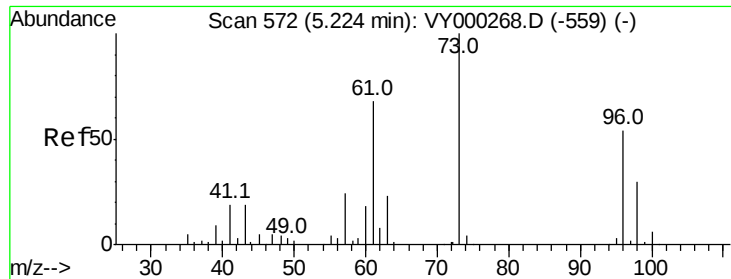
Tot Ion: 73 Resp: 434924
Ion Ratio Lower Upper
73 100
57 23.2 17.4 26.0



#20
Methylene Chloride
Concen: 57.088 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion: 84 Resp: 195270
Ion Ratio Lower Upper
84 100
49 122.2 99.0 148.4
51 37.2 29.3 43.9
86 62.5 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 48.035 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

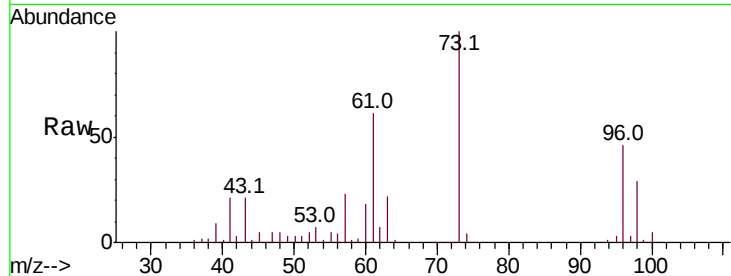
Tot Ion: 96 Resp: 167678

Ion Ratio Lower Upper

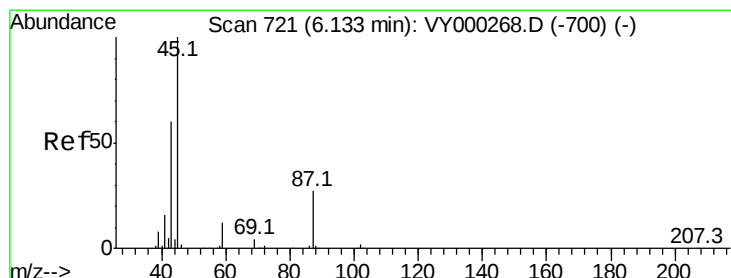
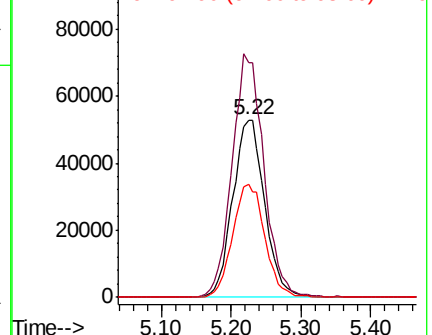
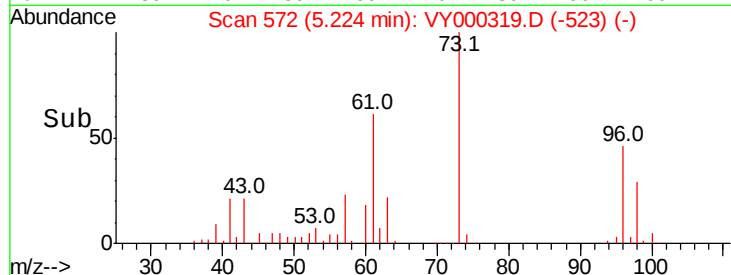
96 100

61 132.5 100.4 150.6

98 63.4 44.6 66.8



Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 52.748 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Tgt Ion: 45 Resp: 562502

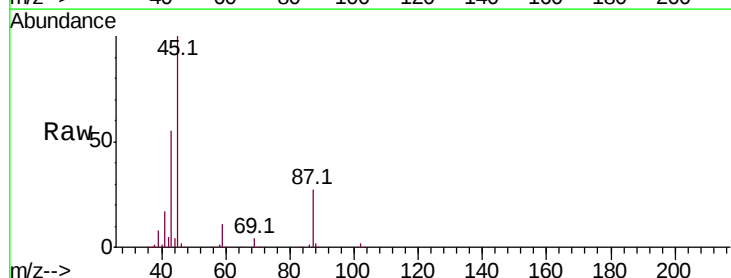
Ion Ratio Lower Upper

45 100

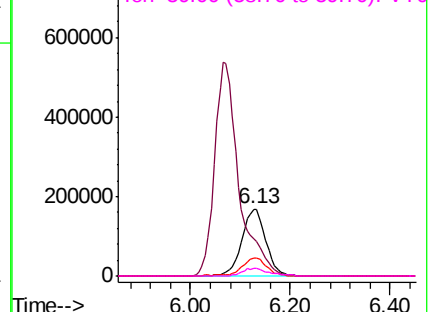
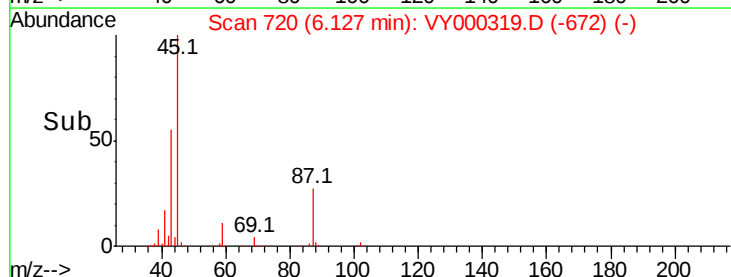
43 54.9 48.5 72.7

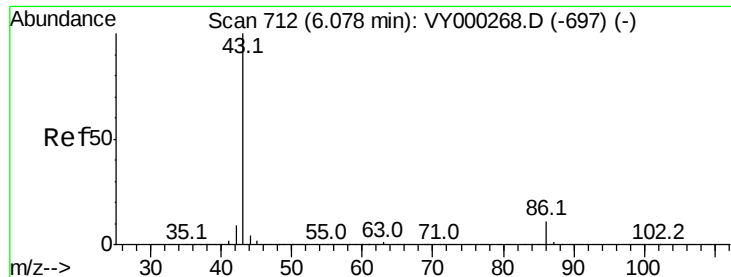
87 27.5 21.5 32.3

59 11.2 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 260.940 ug/l

RT: 6.07 min Scan# 710

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

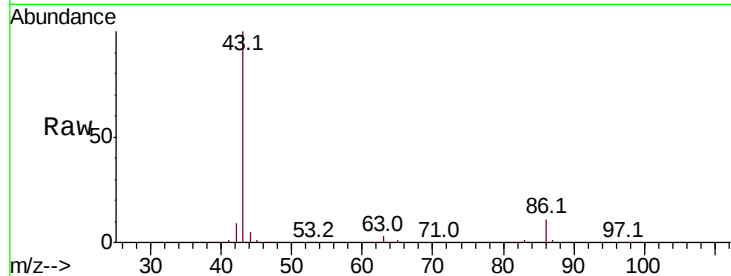
VSTDCCC050EC

Tot Ion: 43 Resp: 1815382

Ion Ratio Lower Upper

43 100

86 10.5 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

600000

500000

400000

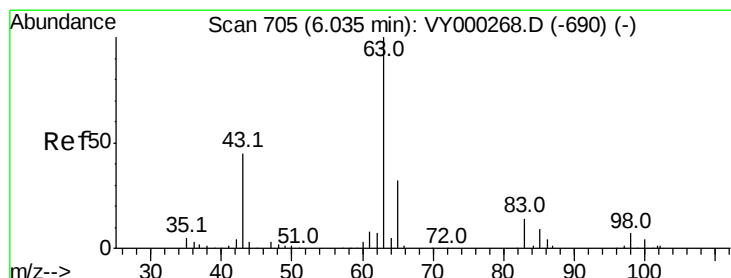
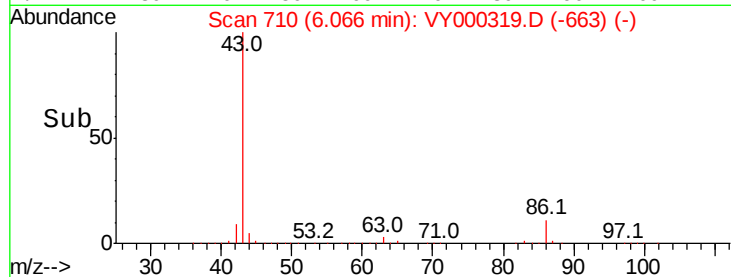
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.496 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

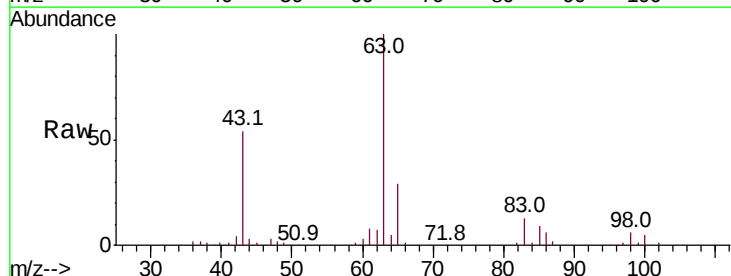
Tgt Ion: 63 Resp: 293928

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

100 5.4 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

120000

100000

80000

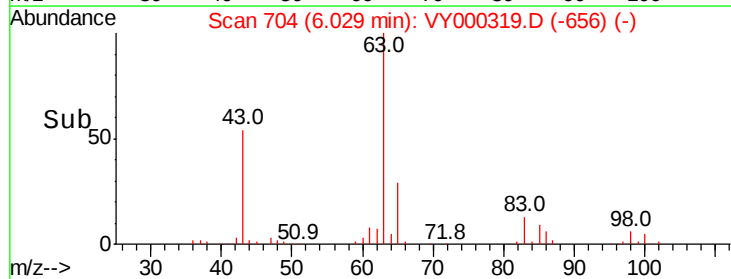
60000

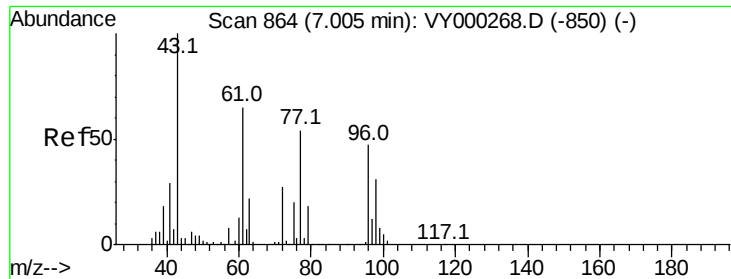
40000

20000

0

Time-->





#25

2-Butanone

Concen: 248.382 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

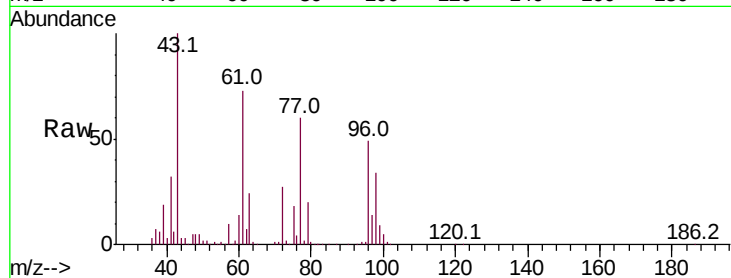
VSTDCCC050EC

Tot Ion: 43 Resp: 360066

Ion Ratio Lower Upper

43 100

72 26.8 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

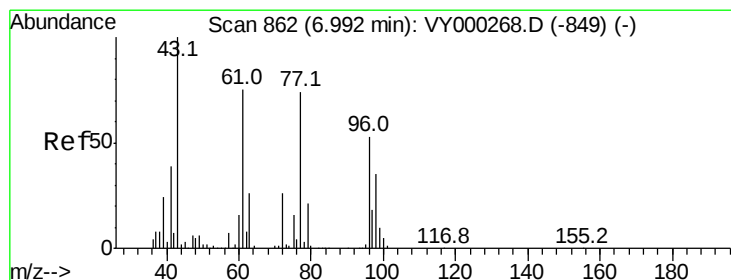
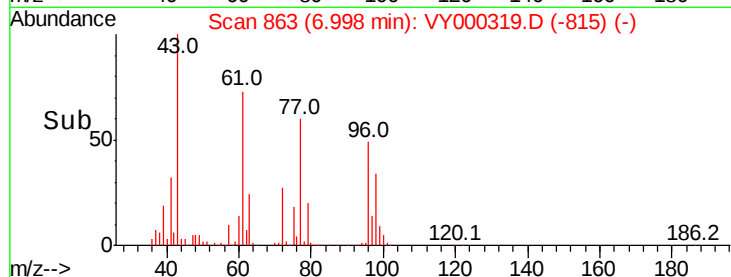
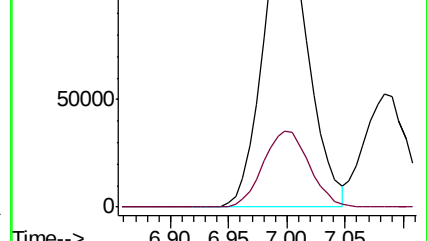
150000

100000

50000

0

6.90 6.95 7.00 7.05



#26

2,2-Dichloropropane

Concen: 50.003 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000319.D

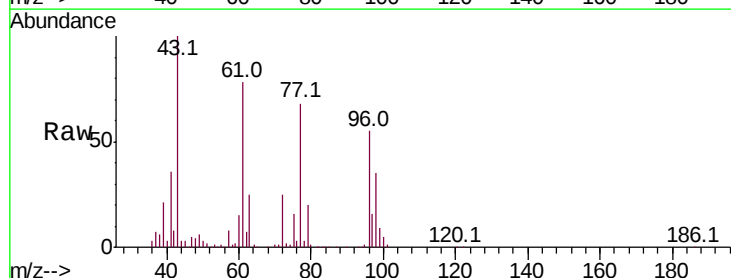
Acq: 15 Oct 2019 17:12

Tgt Ion: 77 Resp: 268200

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0

100000

80000

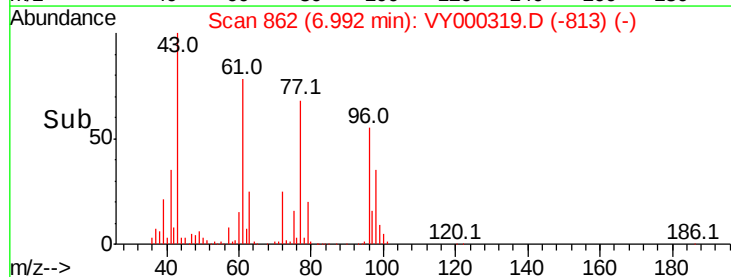
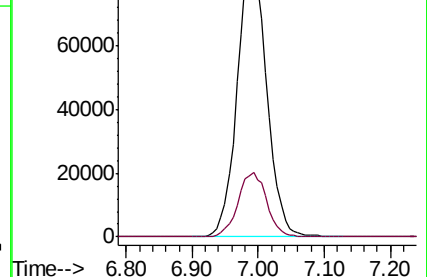
60000

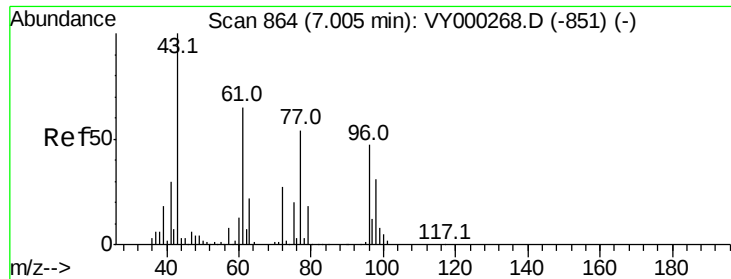
40000

20000

0

6.80 6.90 7.00 7.10 7.20



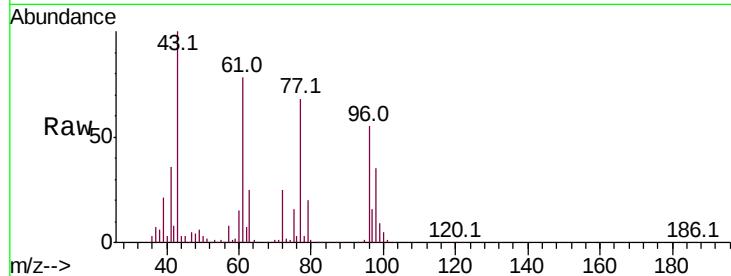


#27

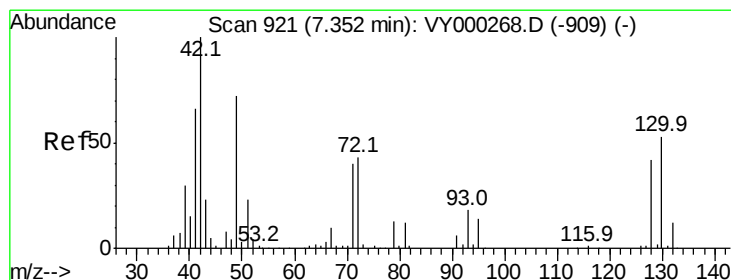
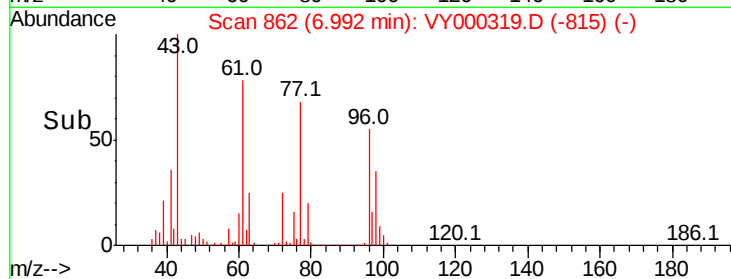
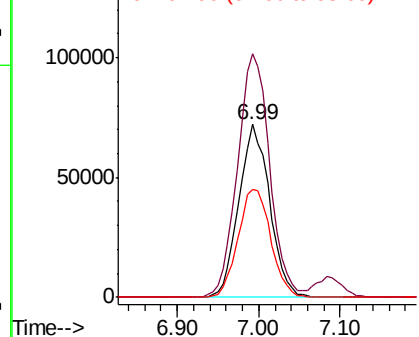
cis-1,2-Dichloroethene
Concen: 49.994 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 188838
Ion Ratio Lower Upper
96 100
61 146.4 0.0 289.8
98 66.2 0.0 131.8



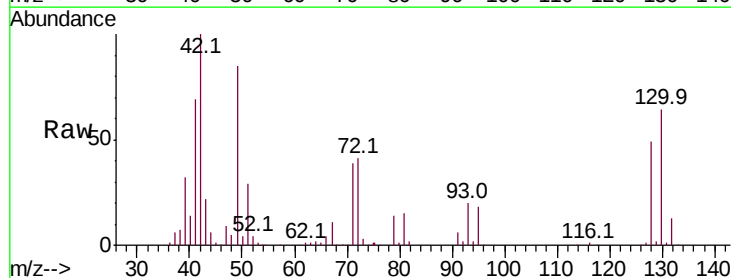
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



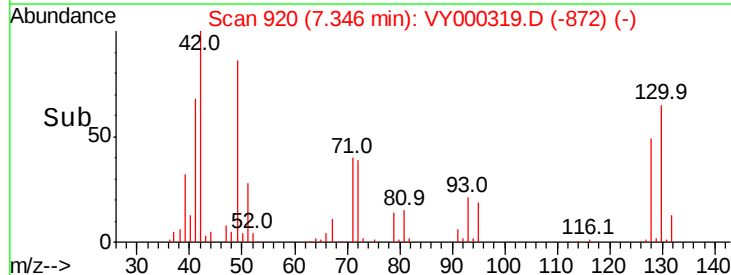
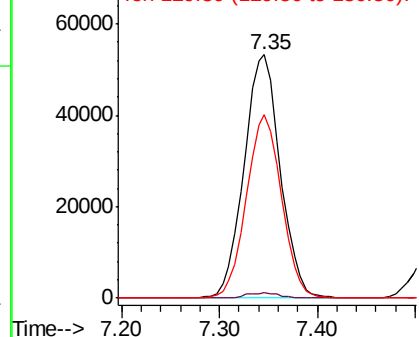
#28

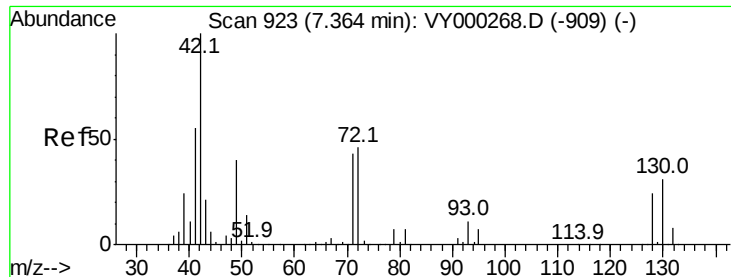
Bromochloromethane
Concen: 54.481 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion: 49 Resp: 136138
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 73.3 58.2 87.2



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

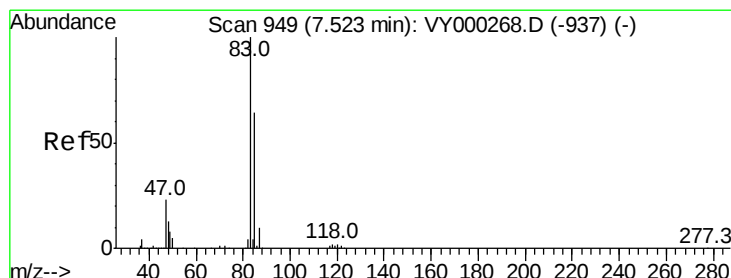
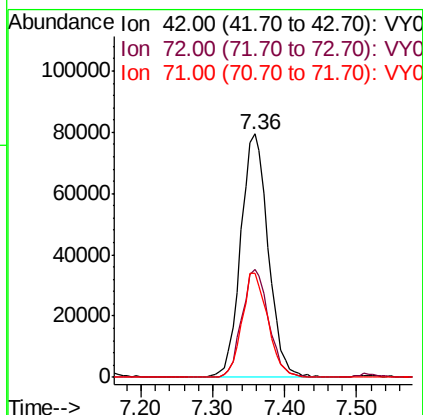
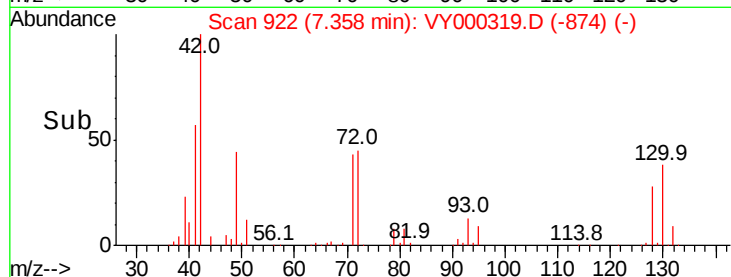
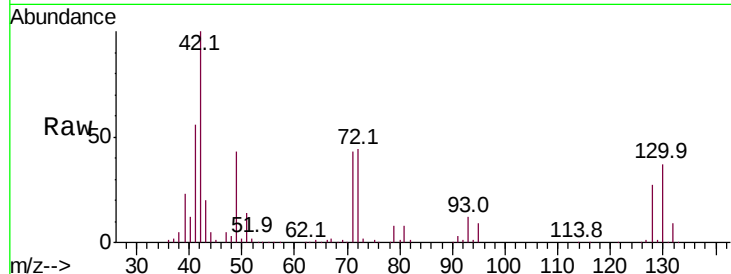




#29
Tetrahydrofuran
Concen: 240.026 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

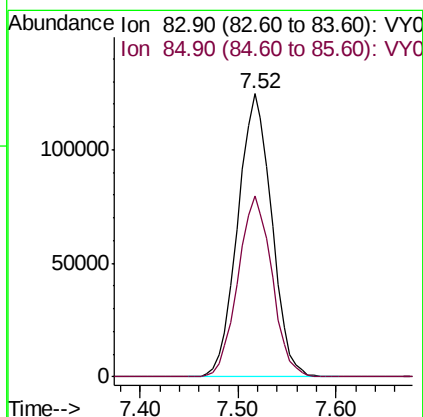
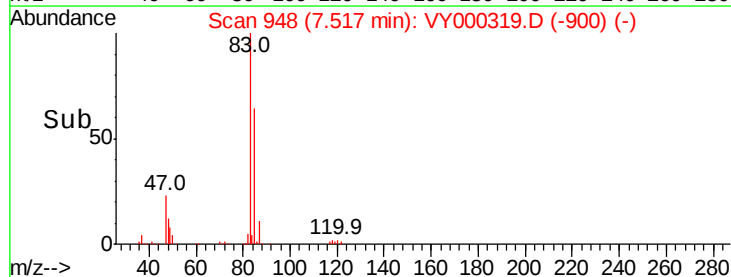
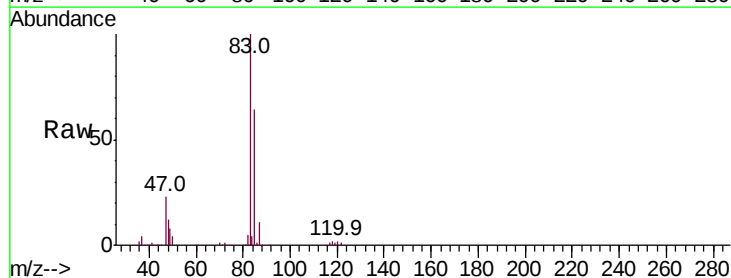
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

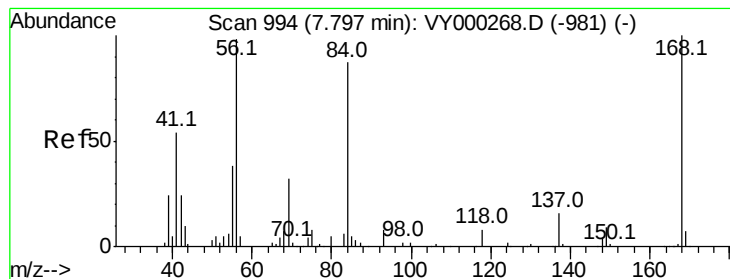
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.5	51.7
71	40.2	32.7	49.1



#30
Chloroform
Concen: 51.307 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.4	77.2





#31

Cyclohexane

Concen: 47.234 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

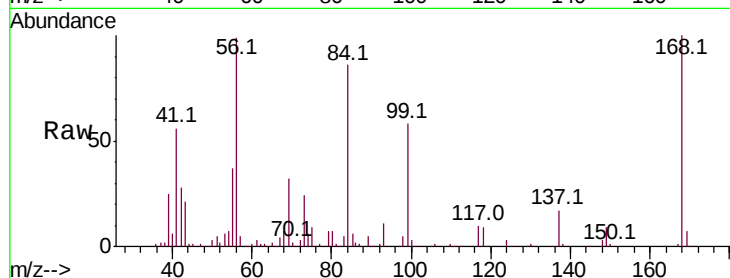
Tot Ion: 56 Resp: 287164

Ion Ratio Lower Upper

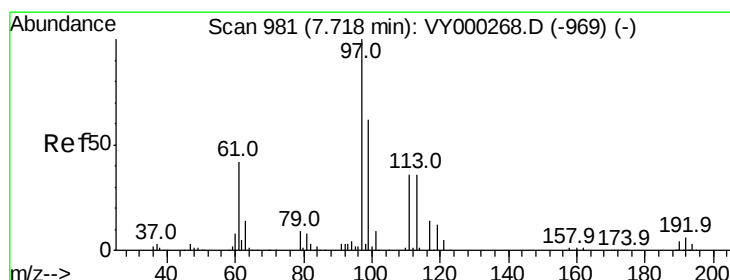
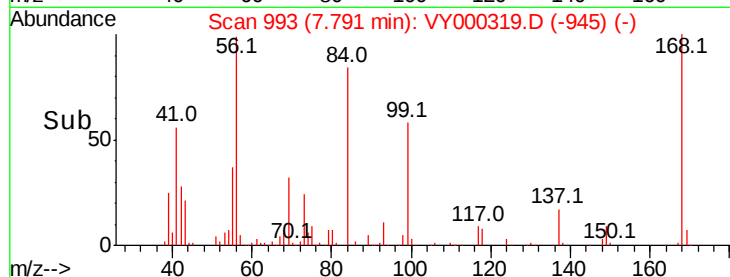
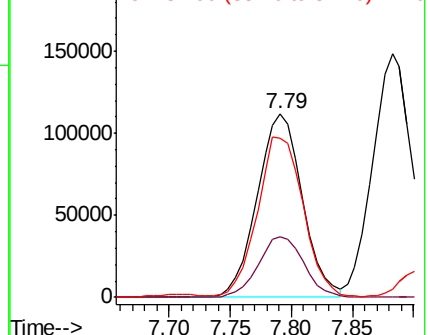
56 100

69 32.7 26.3 39.5

84 85.3 70.8 106.2



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 50.749 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

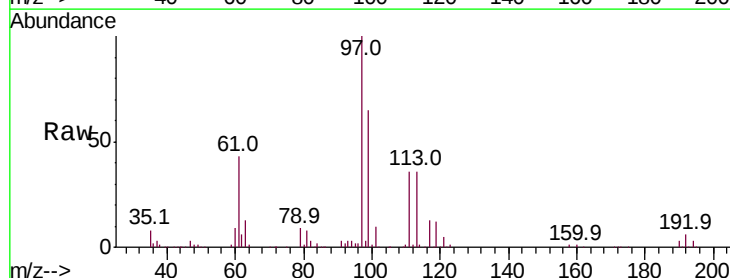
Tgt Ion: 97 Resp: 264480

Ion Ratio Lower Upper

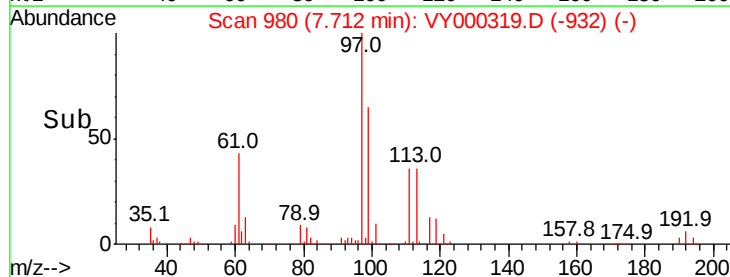
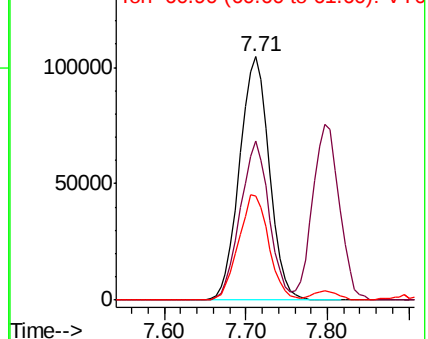
97 100

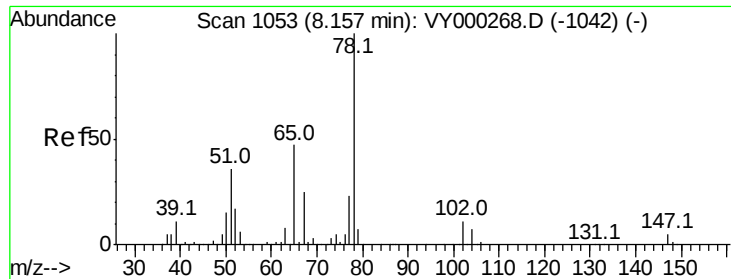
99 63.6 51.7 77.5

61 43.9 34.5 51.7



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 52.294 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

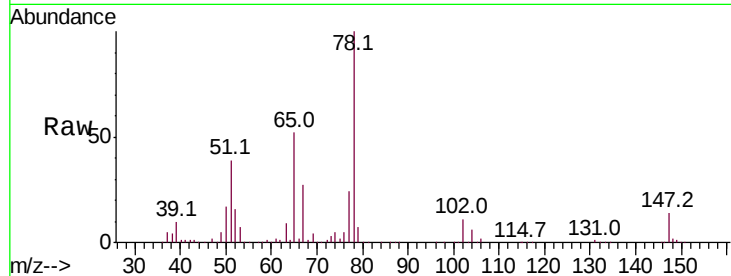
VSTDCCC050EC

Tot Ion: 65 Resp: 166174

Ion Ratio Lower Upper

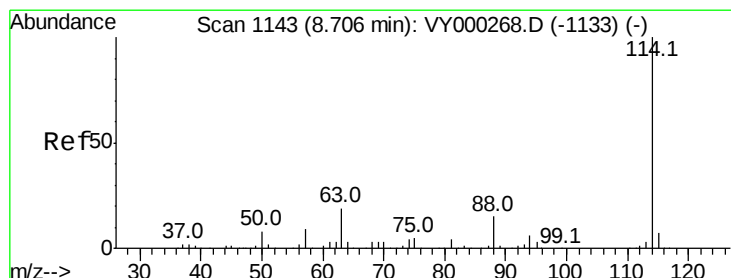
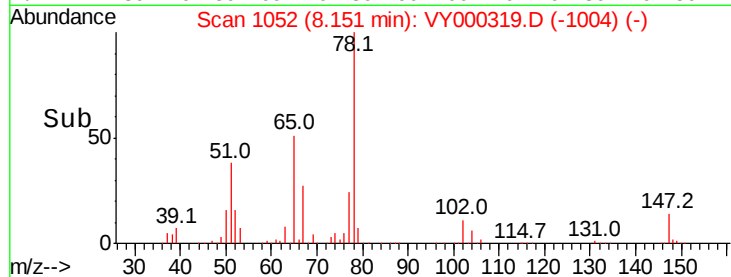
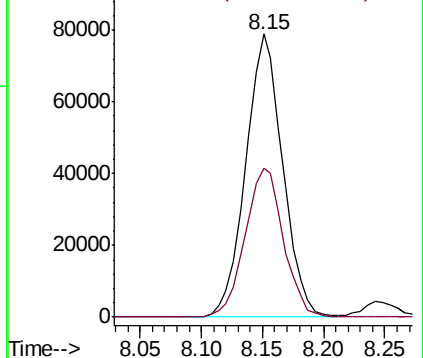
65 100

67 54.3 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

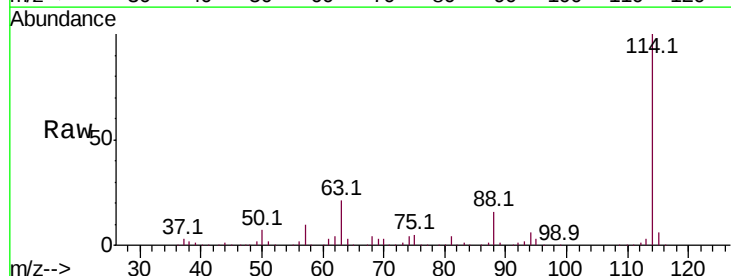
Tgt Ion: 114 Resp: 499794

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.2

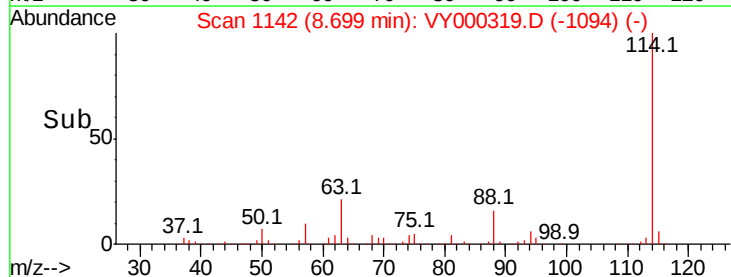
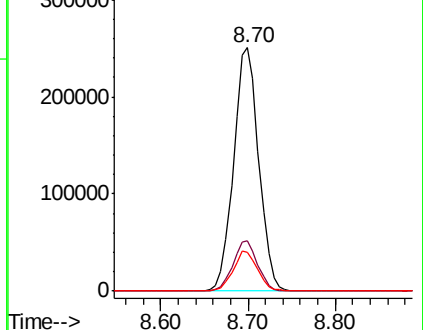
88 15.7 0.0 30.2

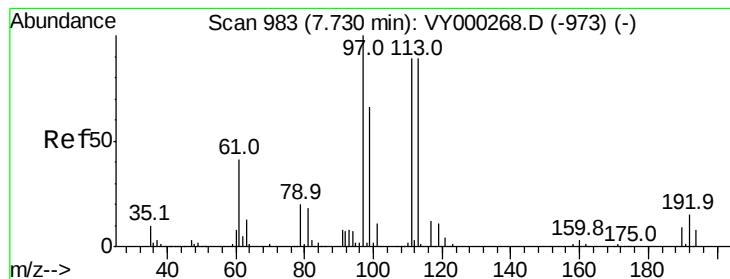


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 48.475 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

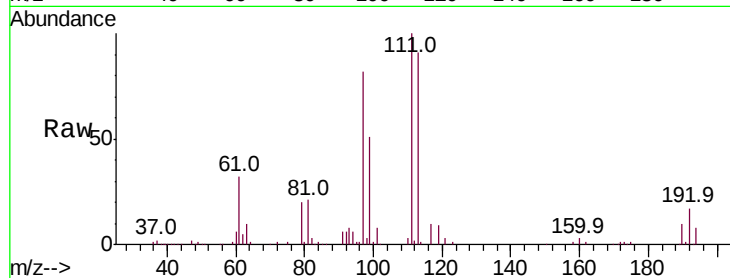
Tot Ion:113 Resp: 146143

Ion Ratio Lower Upper

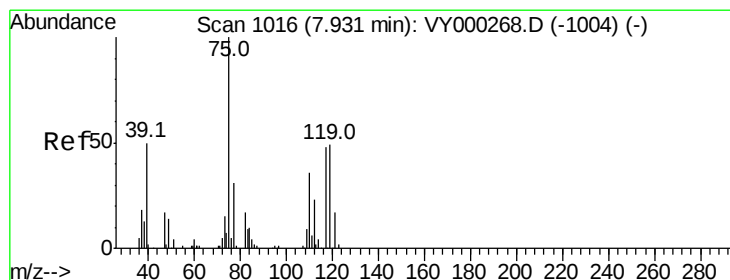
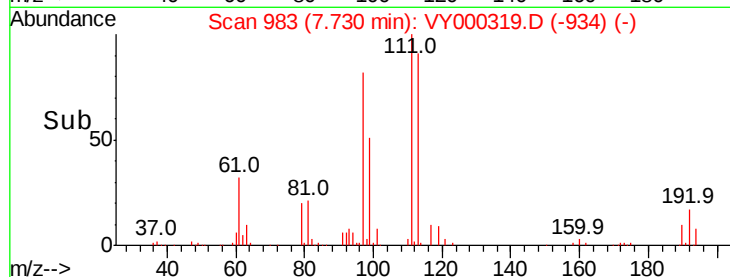
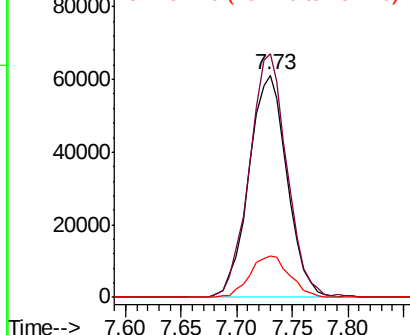
113 100

111 107.9 81.6 122.4

192 19.3 15.3 22.9



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: 48.343 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

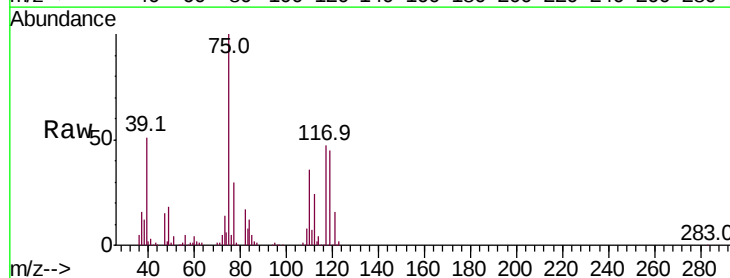
Tgt Ion: 75 Resp: 236556

Ion Ratio Lower Upper

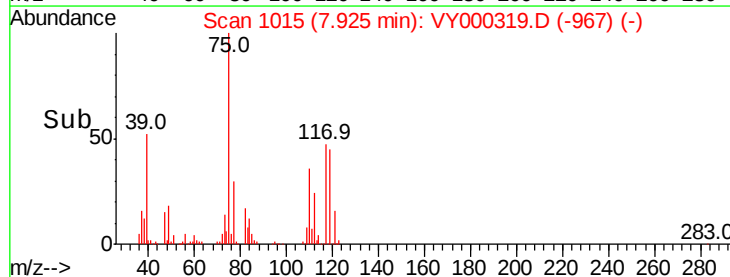
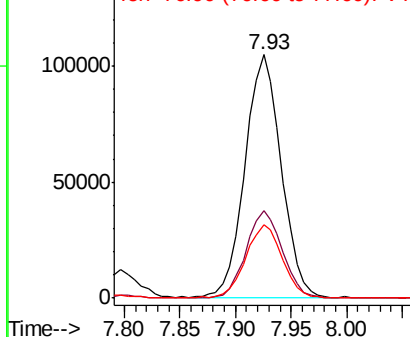
75 100

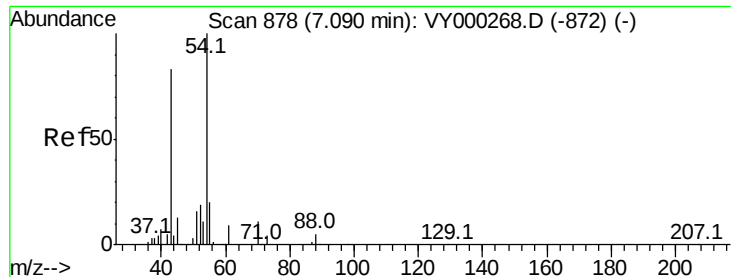
110 36.1 18.4 55.4

77 30.7 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0

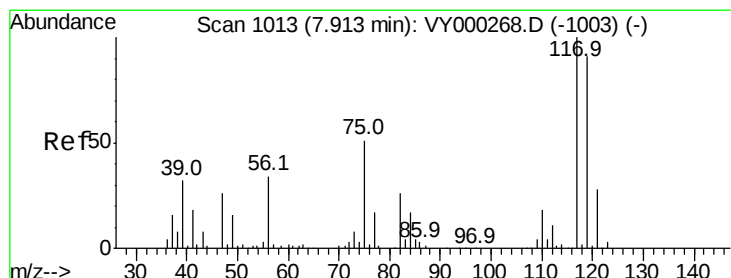
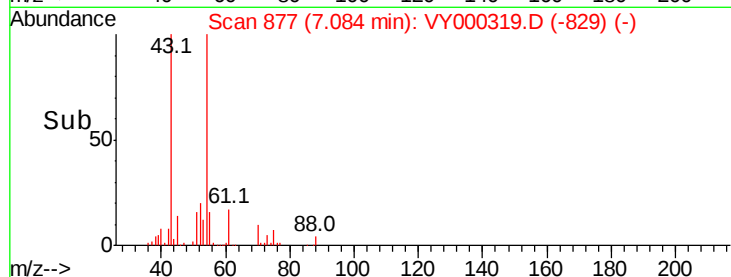
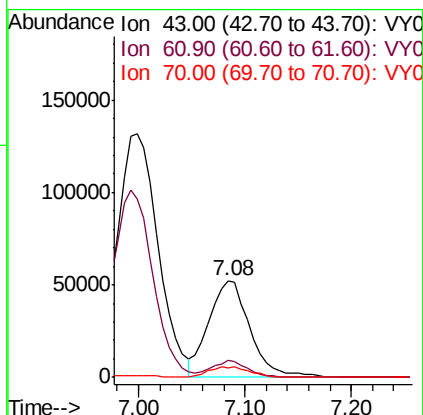
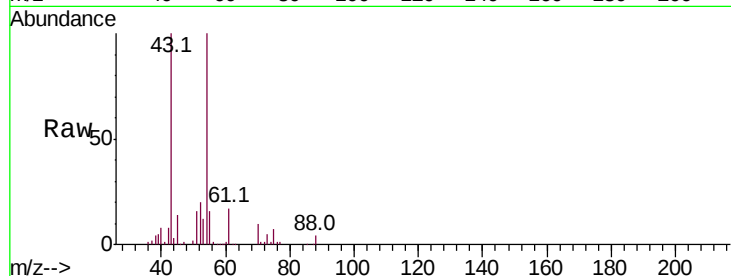




#37
Ethyl Acetate
Concen: 48.204 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

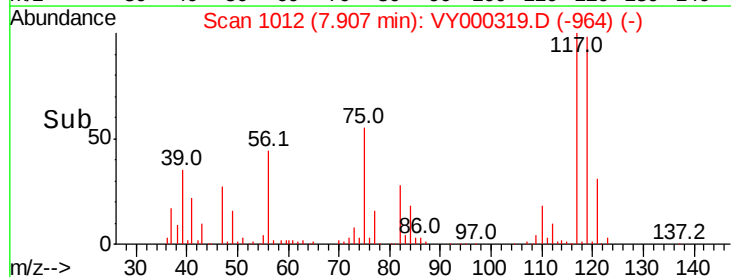
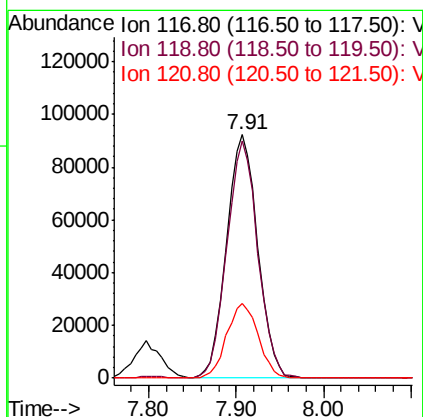
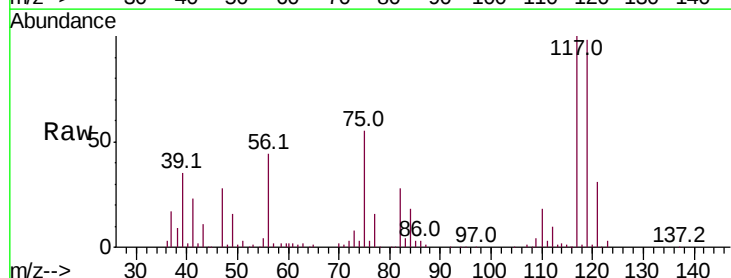
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

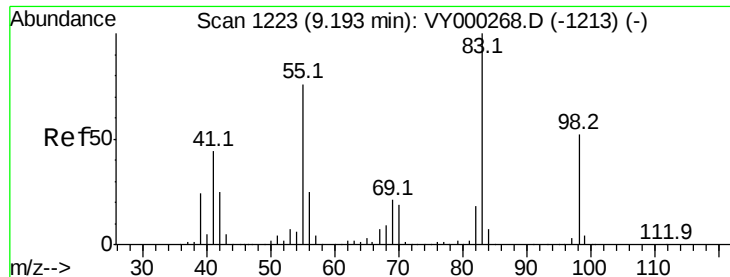
Tot Ion: 43 Resp: 139668
Ion Ratio Lower Upper
43 100
61 14.2 12.1 18.1
70 11.1 8.7 13.1



#38
Carbon Tetrachloride
Concen: 48.291 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion: 117 Resp: 228795
Ion Ratio Lower Upper
117 100
119 97.5 72.8 109.2
121 30.7 22.2 33.2

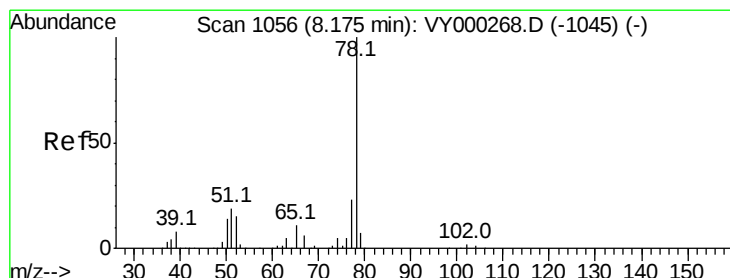
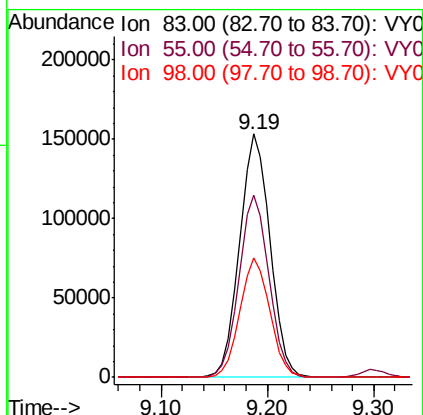
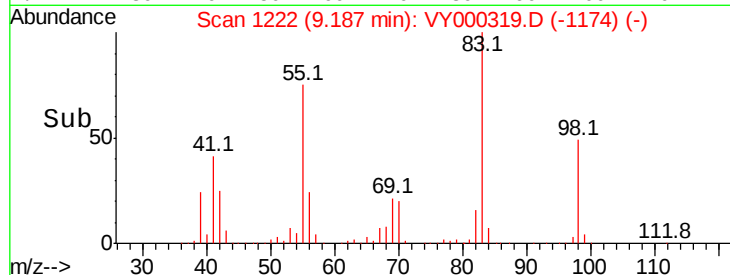
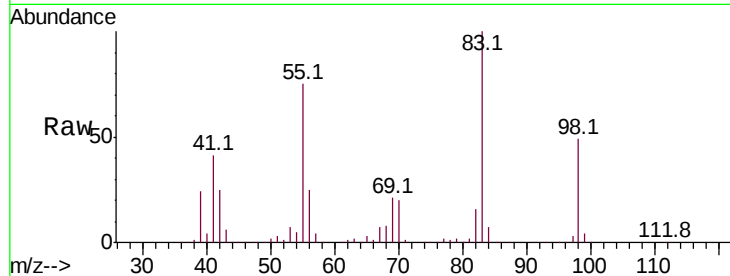




#39
Methvlcvclohexane
Concen: 48.162 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

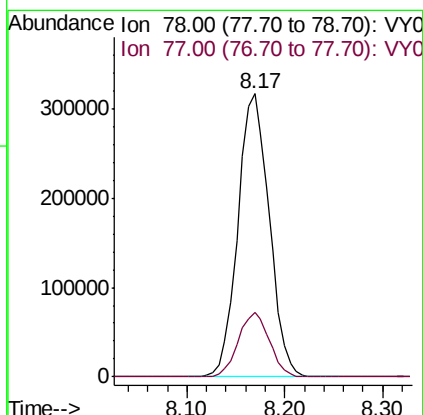
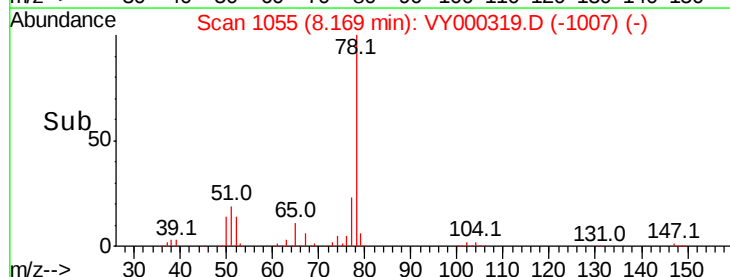
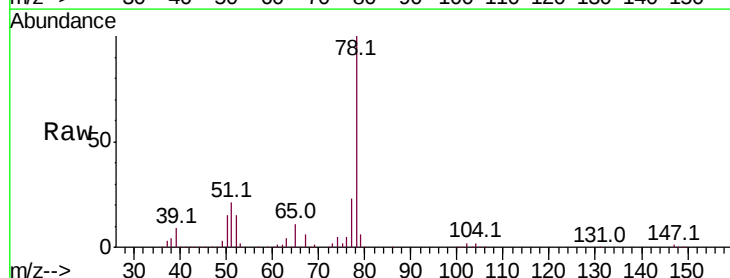
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

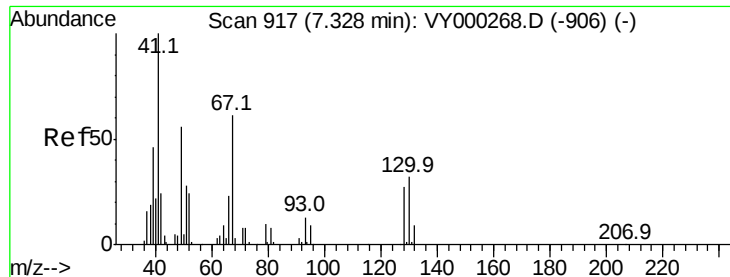
Tot Ion: 83 Resp: 308451
Ion Ratio Lower Upper
83 100
55 75.0 60.9 91.3
98 49.0 41.8 62.6



#40
Benzene
Concen: 49.687 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion: 78 Resp: 702630
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

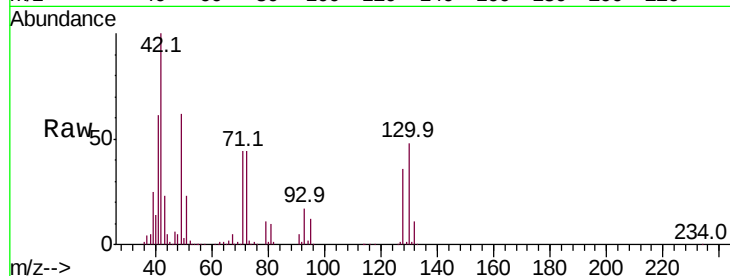




#41
Methacrylonitrile
Concen: 139.356 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.02 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	110.2	165.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



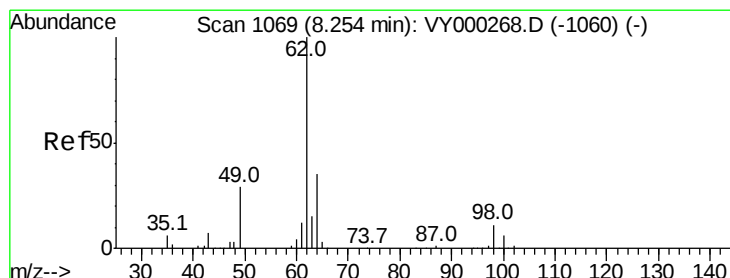
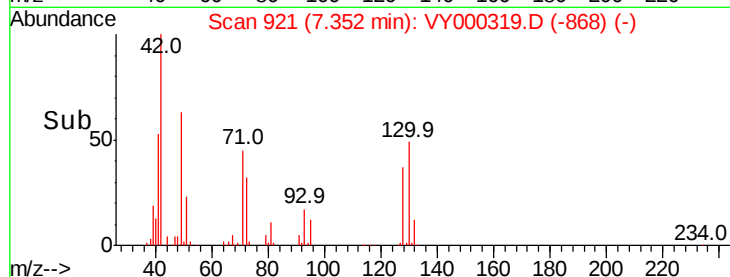
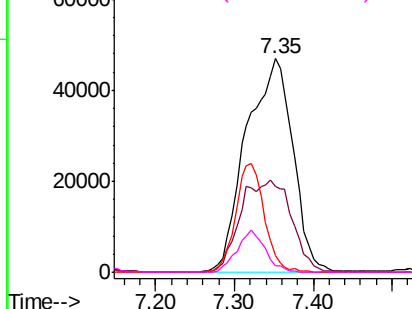
Abundance

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

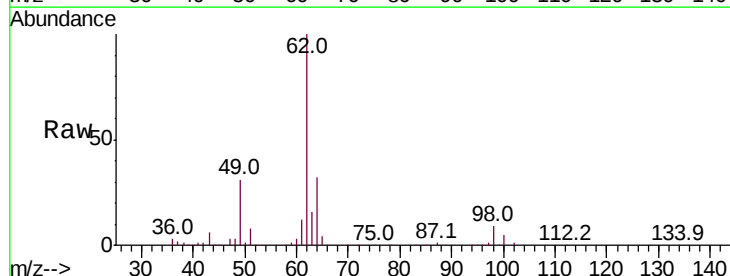
Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42
1,2-Dichloroethane
Concen: 49.339 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

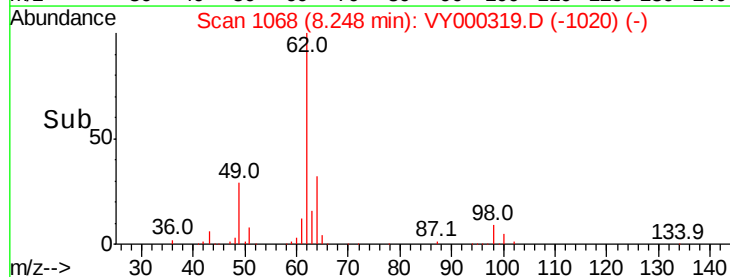
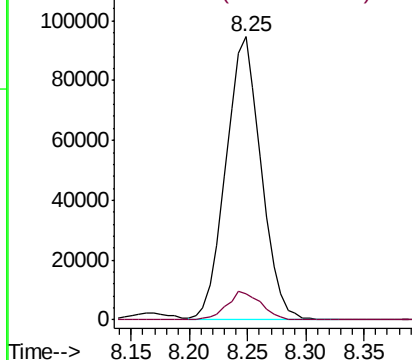
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.6

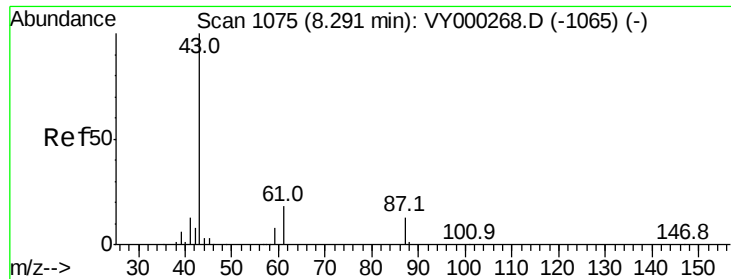


Abundance

Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

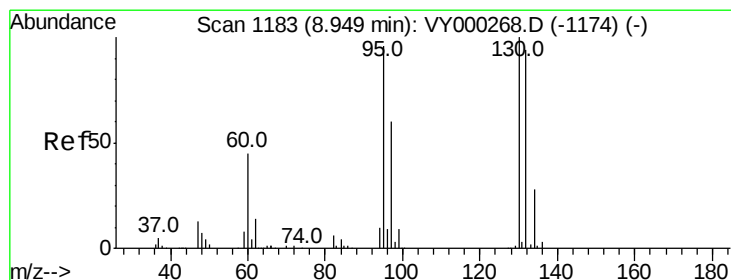
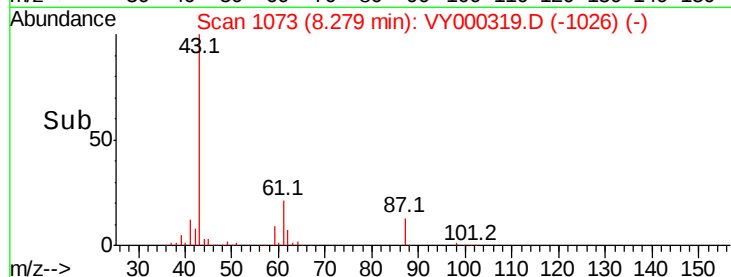
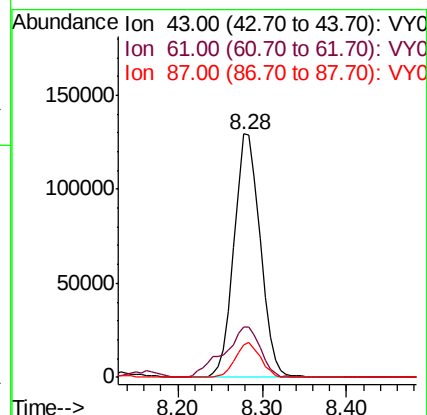
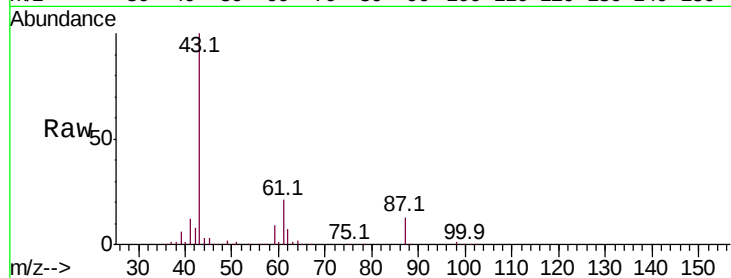




#43
Isopropyl Acetate
Concen: 49.464 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

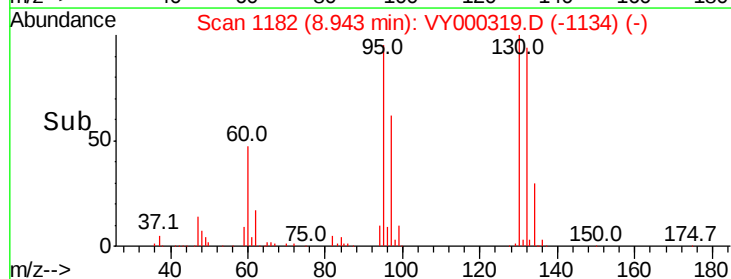
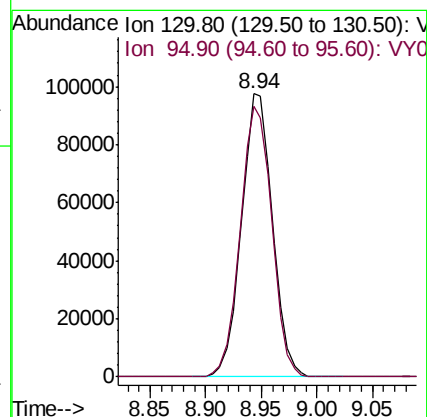
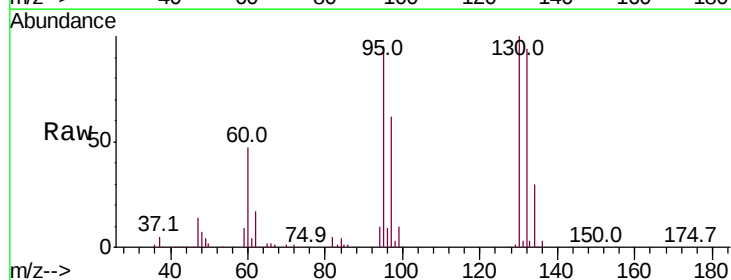
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

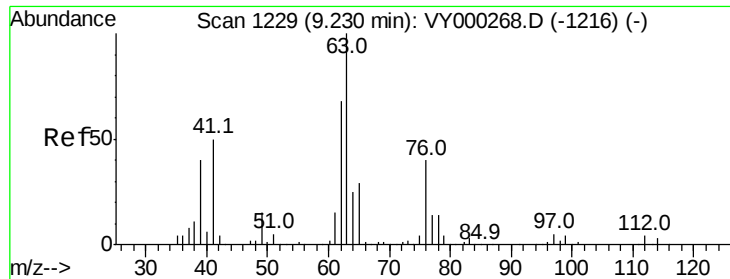
Tot Ion: 43 Resp: 272510
Ion Ratio Lower Upper
43 100
61 29.0 22.3 33.5
87 13.7 10.9 16.3



#44
Trichloroethene
Concen: 47.337 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion:130 Resp: 187821
Ion Ratio Lower Upper
130 100
95 95.4 0.0 191.4





#45

1,2-Dichloropropane

Concen: 50.549 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

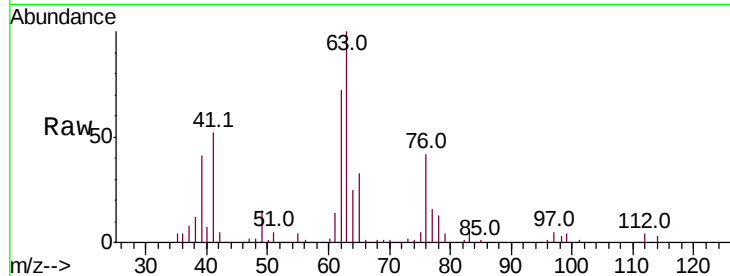
VSTDCCC050EC

Tot Ion: 63 Resp: 175418

Ion Ratio Lower Upper

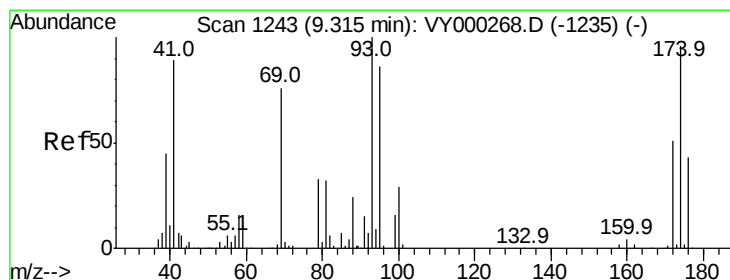
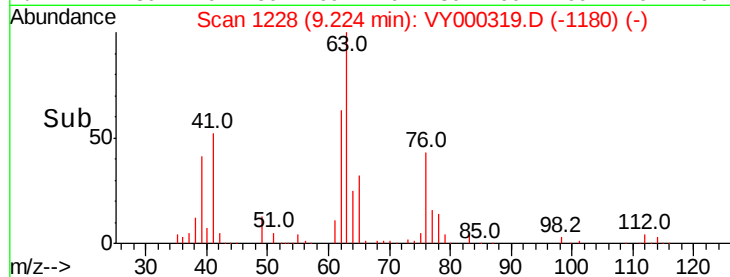
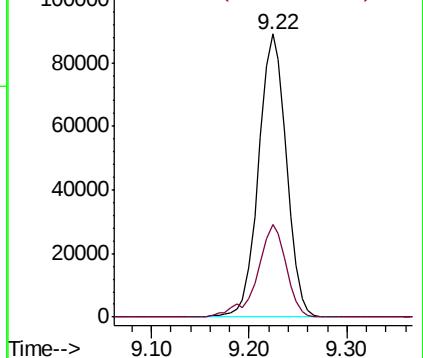
63 100

65 32.8 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 48.861 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

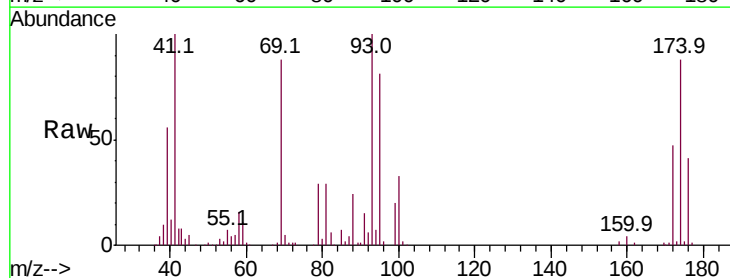
Tgt Ion: 93 Resp: 94787

Ion Ratio Lower Upper

93 100

95 83.6 68.2 102.2

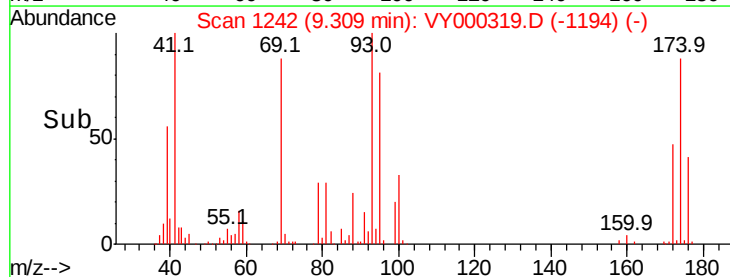
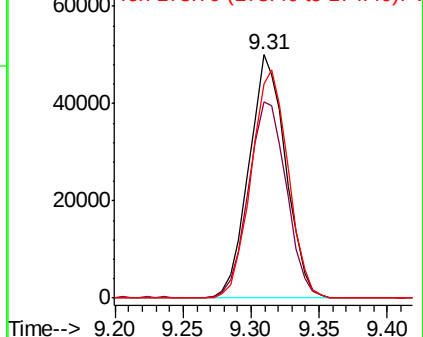
174 94.4 79.8 119.6

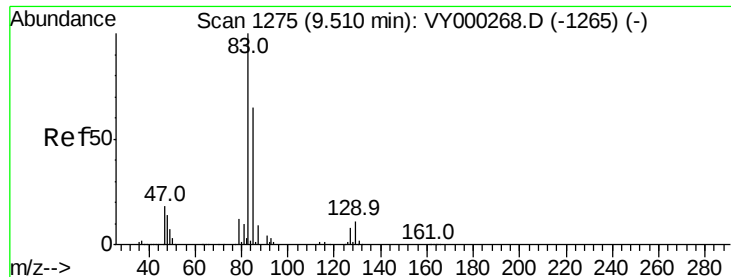


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.295 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

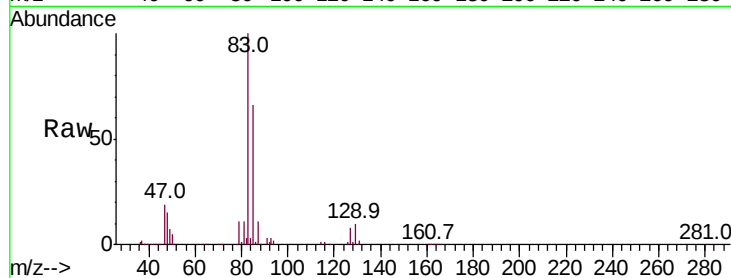
Tot Ion: 83 Resp: 234513

Ion Ratio Lower Upper

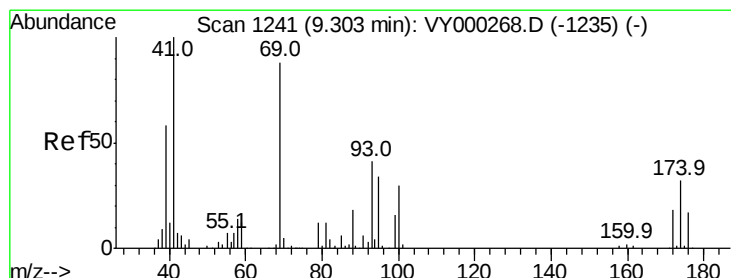
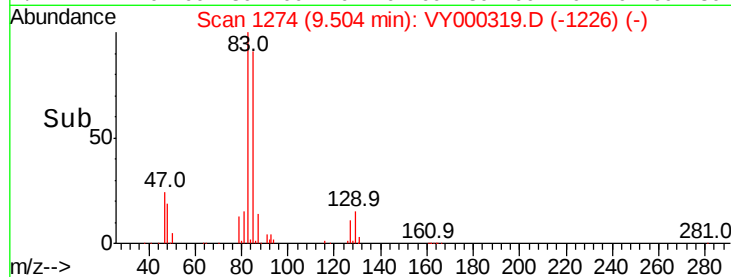
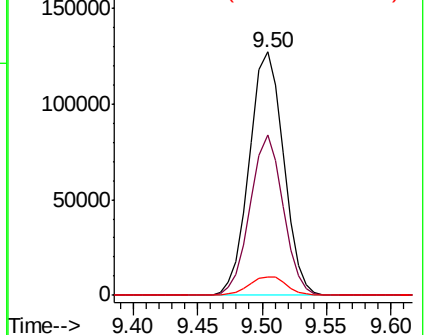
83 100

85 65.9 52.2 78.2

127 7.7 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.498 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

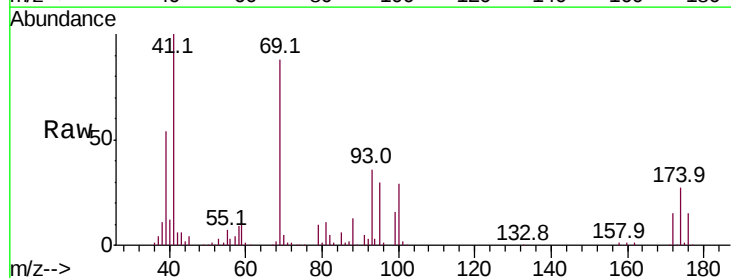
Tgt Ion: 41 Resp: 121923

Ion Ratio Lower Upper

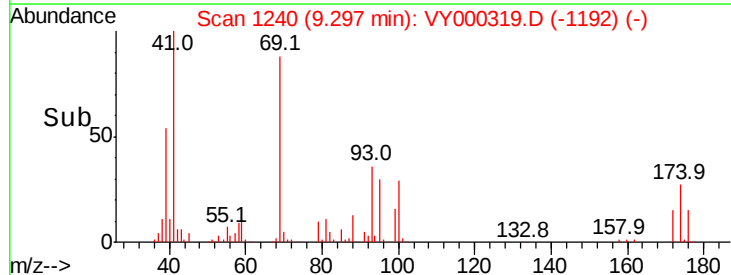
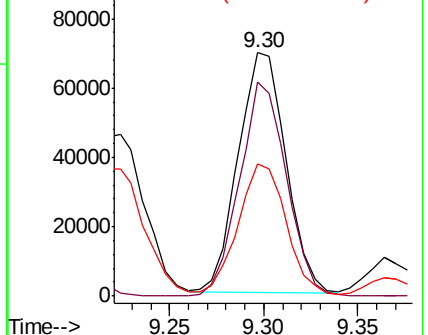
41 100

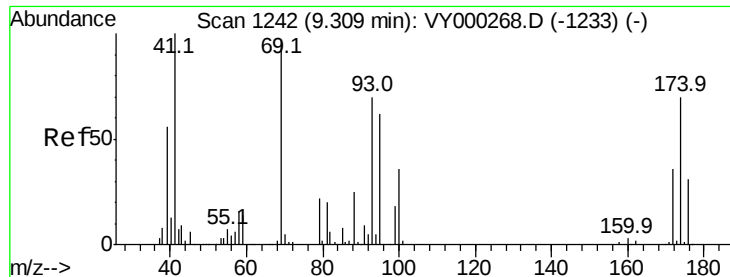
69 87.7 70.0 105.0

39 55.8 47.7 71.5



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 908.135 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

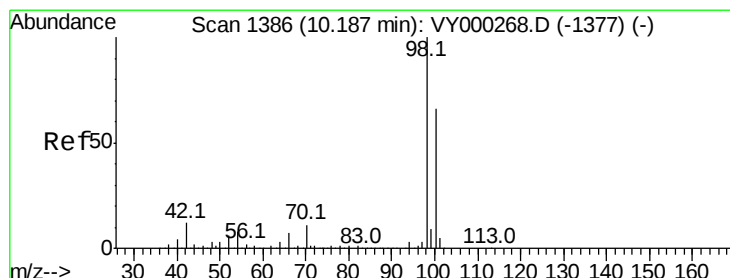
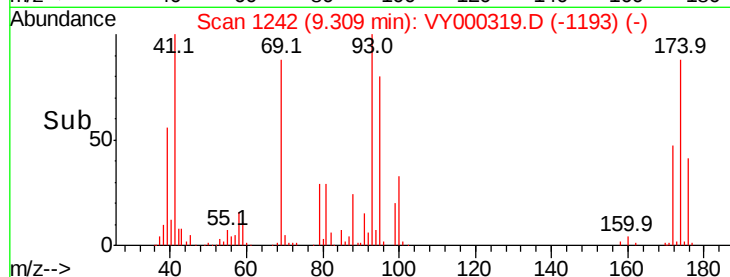
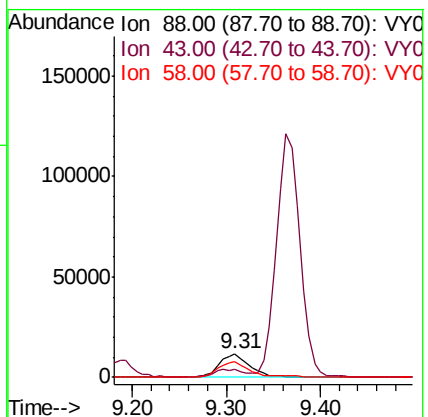
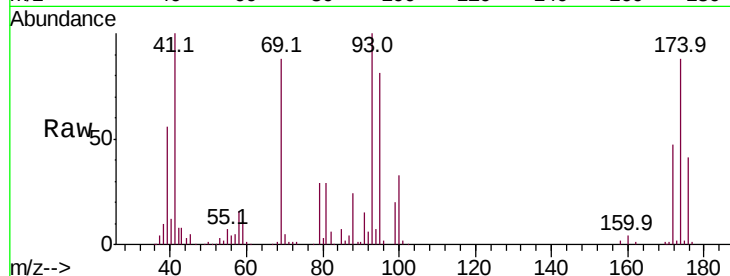
Tot Ion: 88 Resp: 26415

Ion Ratio Lower Upper

88 100

43 34.0 25.6 38.4

58 73.9 54.6 81.8



#50

Toluene-d8

Concen: 53.397 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000319.D

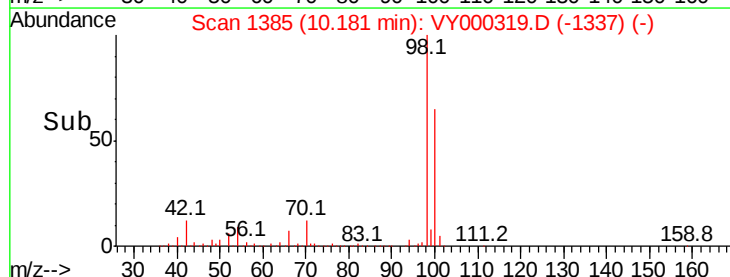
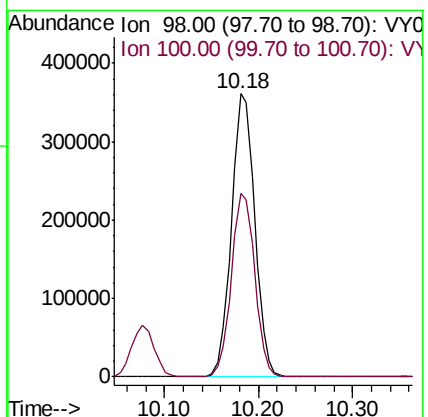
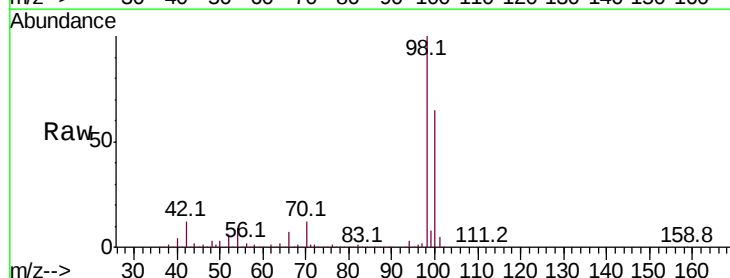
Acq: 15 Oct 2019 17:12

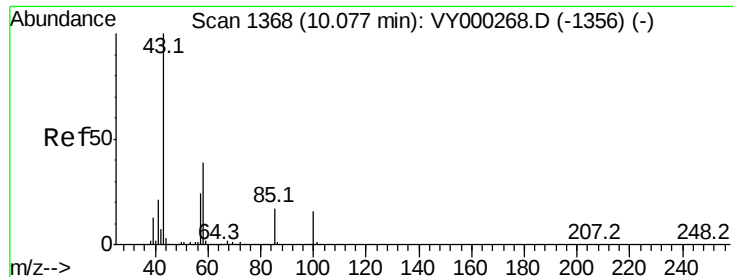
Tgt Ion: 98 Resp: 619251

Ion Ratio Lower Upper

98 100

100 65.3 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 260.689 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

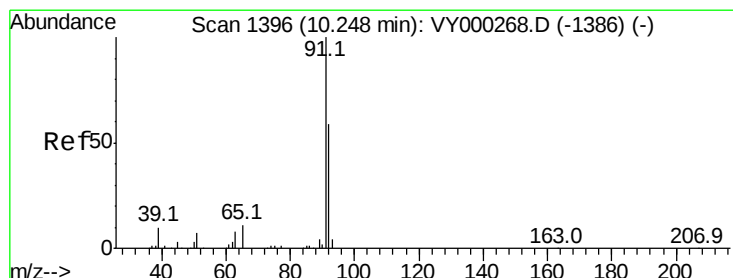
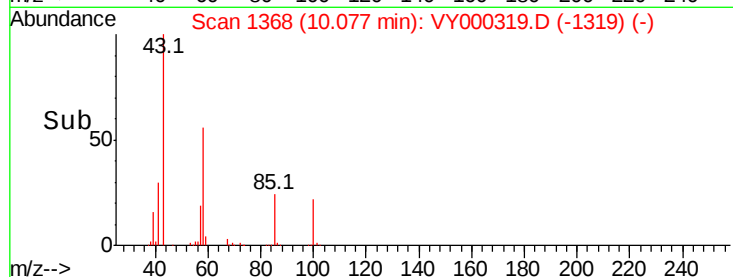
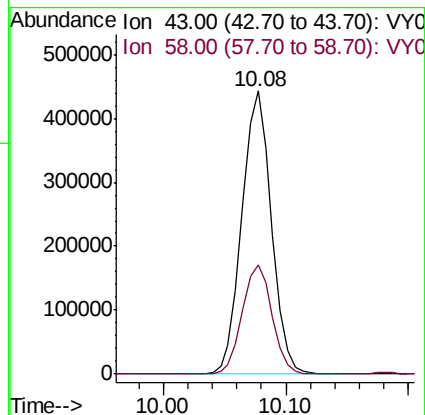
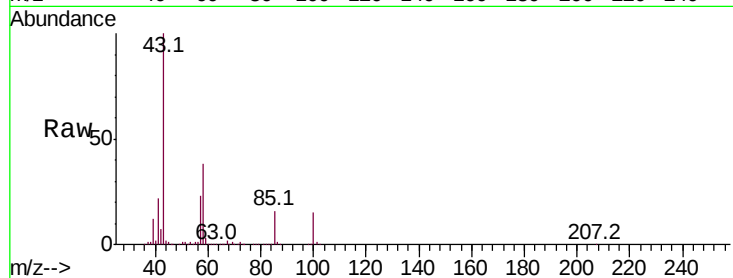
VSTDCCC050EC

Tot Ion: 43 Resp: 740747

Ion Ratio Lower Upper

43 100

58 38.8 31.0 46.6



#52

Toluene

Concen: 49.949 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000319.D

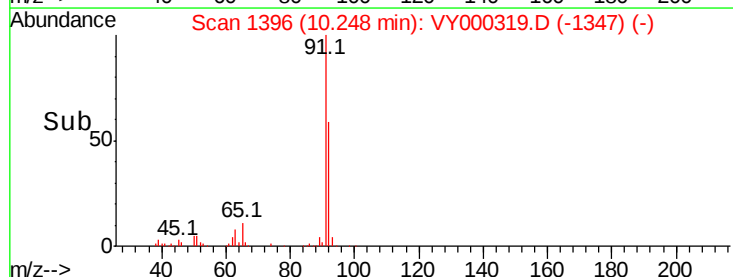
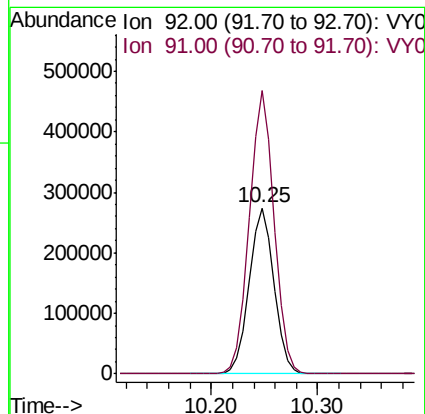
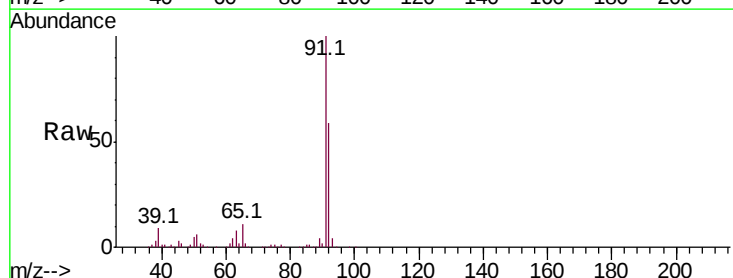
Acq: 15 Oct 2019 17:12

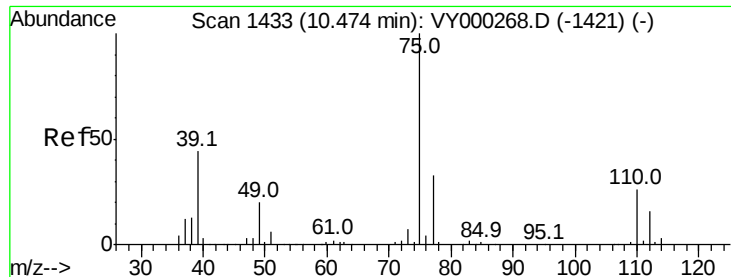
Tgt Ion: 92 Resp: 448444

Ion Ratio Lower Upper

92 100

91 170.3 136.6 205.0

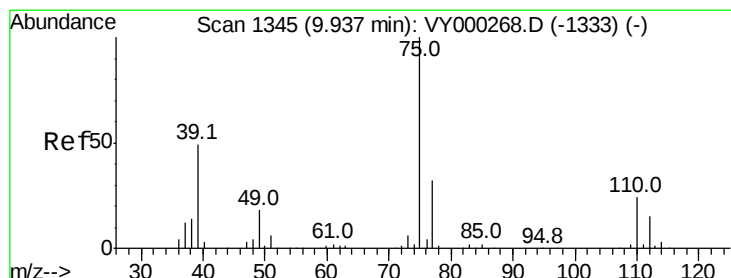
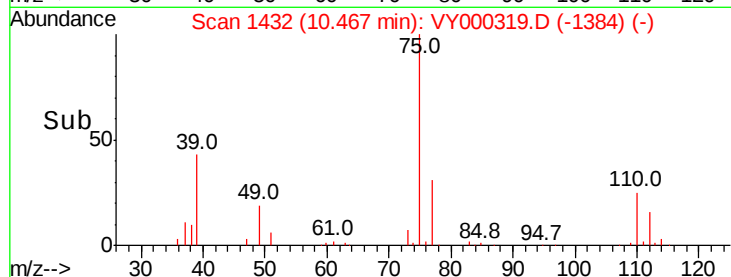
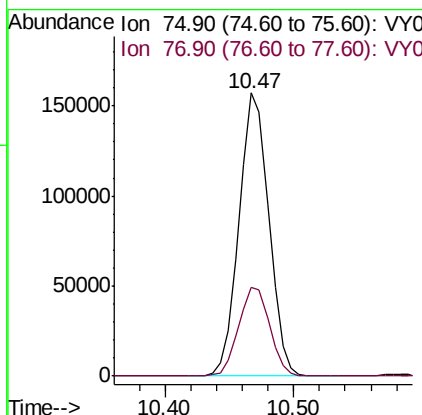
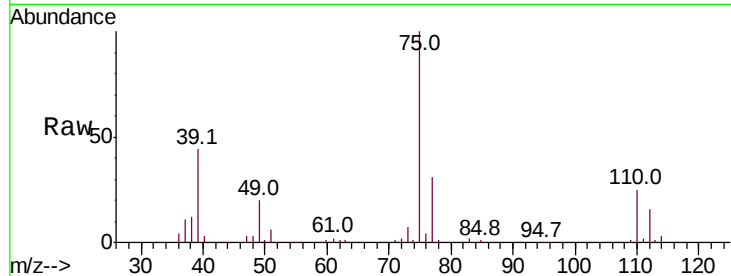




#53
 t-1,3-Dichloropropene
 Concen: 51.375 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

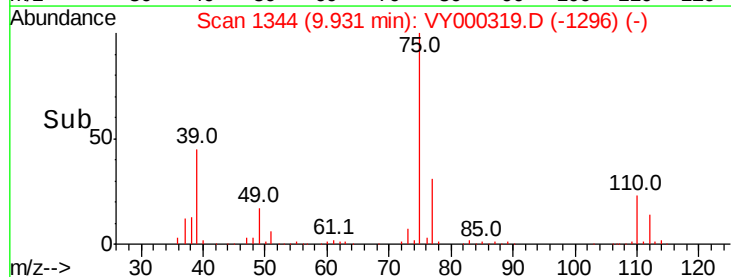
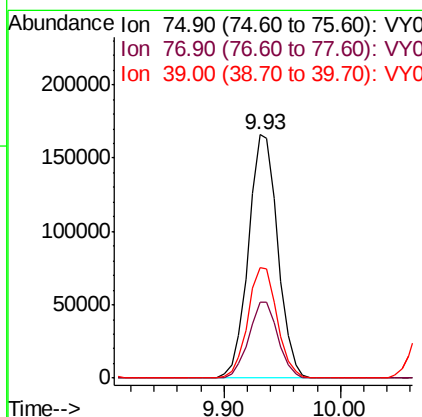
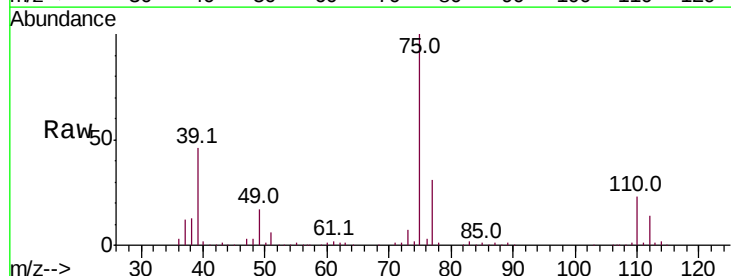
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

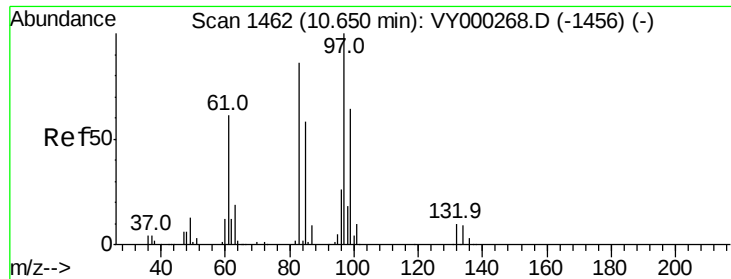
Tot Ion: 75 Resp: 251723
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.0 39.0



#54
 cis-1,3-Dichloropropene
 Concen: 52.116 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Tgt Ion: 75 Resp: 289991
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.0 39.0
 39 45.5 38.8 58.2



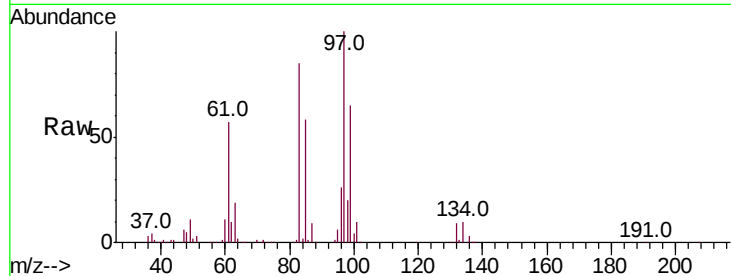


#55
 1,1,2-Trichloroethane
 Concen: 50.896 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

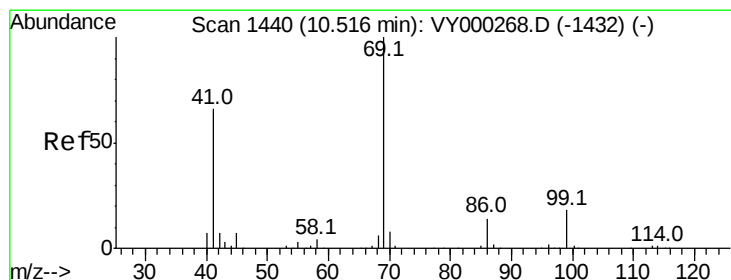
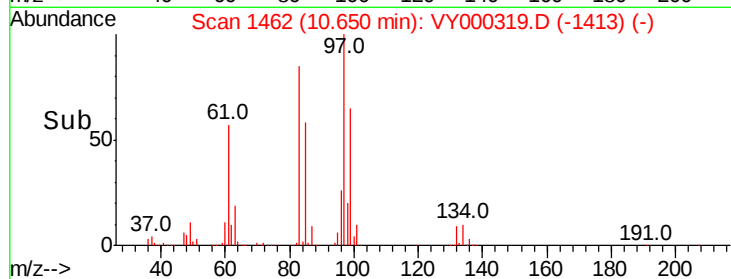
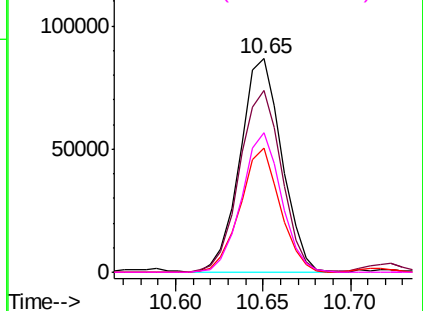
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 143558

Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.0	103.6
85	58.0	46.2	69.4
99	65.2	51.1	76.7



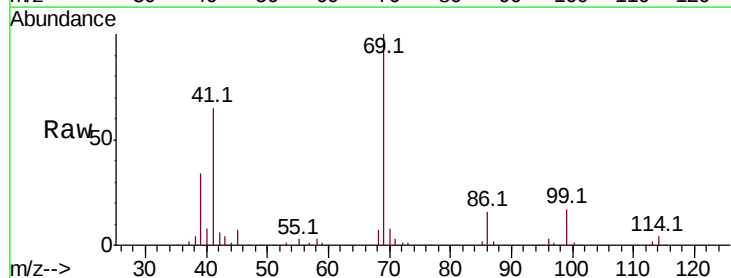
Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0



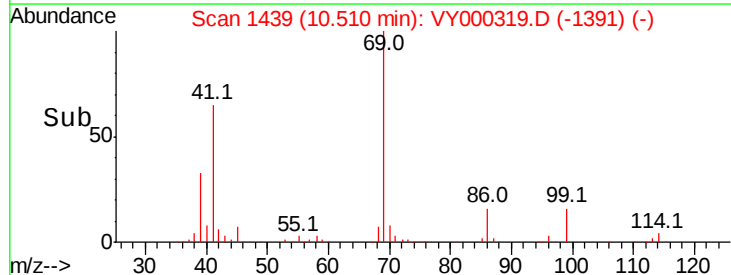
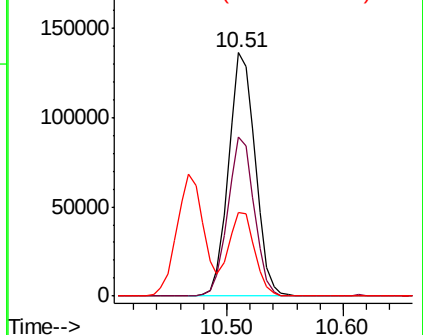
#56
 Ethyl methacrylate
 Concen: 53.793 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

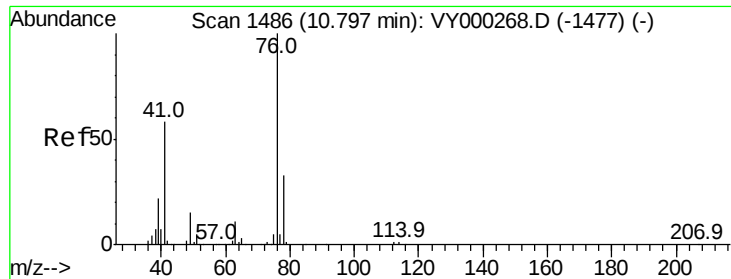
Tgt Ion: 69 Resp: 216268

Ion	Ratio	Lower	Upper
69	100		
41	64.3	52.5	78.7
39	33.6	26.7	40.1



Abundance Ion 69.00 (68.70 to 69.70): VY0
 Ion 41.00 (40.70 to 41.70): VY0
 Ion 39.00 (38.70 to 39.70): VY0

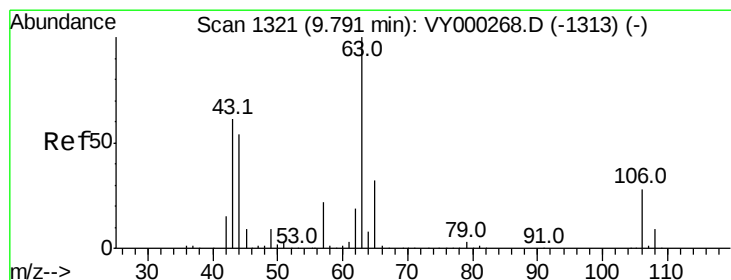
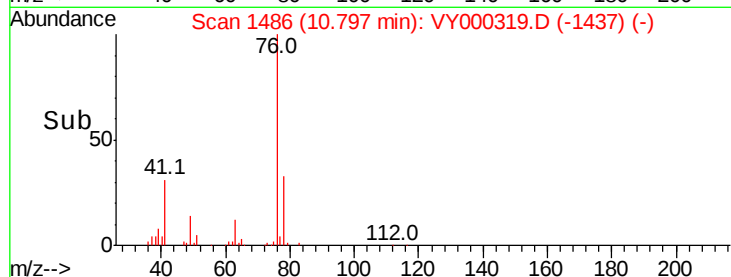
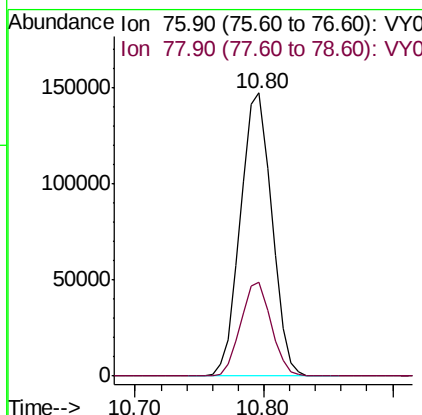
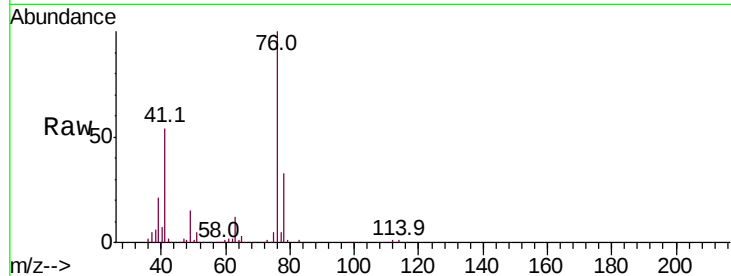




#57
 1,3-Dichloropropane
 Concen: 51.324 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

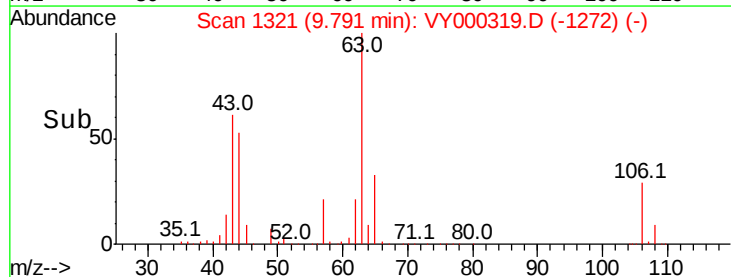
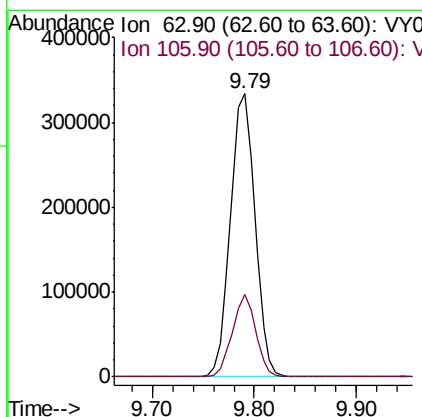
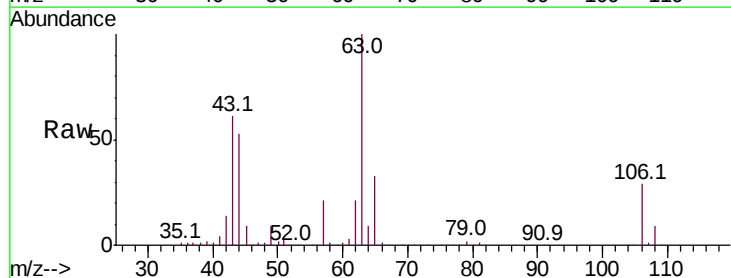
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

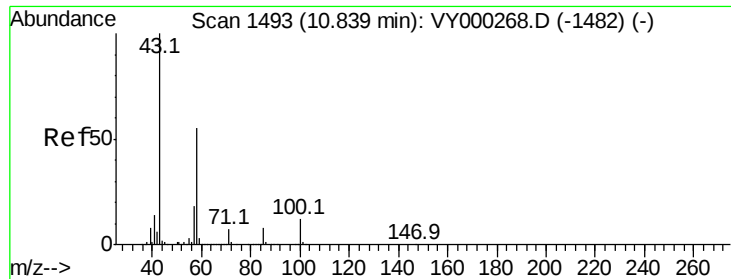
Tot Ion: 76 Resp: 248620
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 347.159 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Tgt Ion: 63 Resp: 556706
 Ion Ratio Lower Upper
 63 100
 106 27.8 23.0 34.4

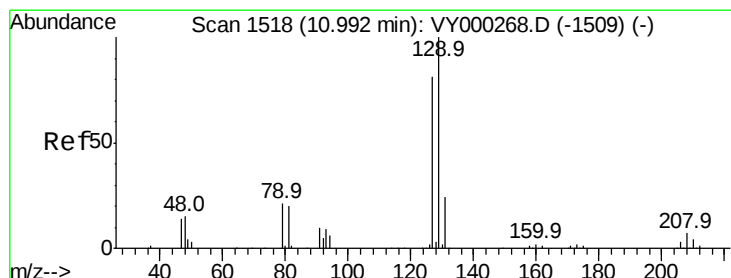
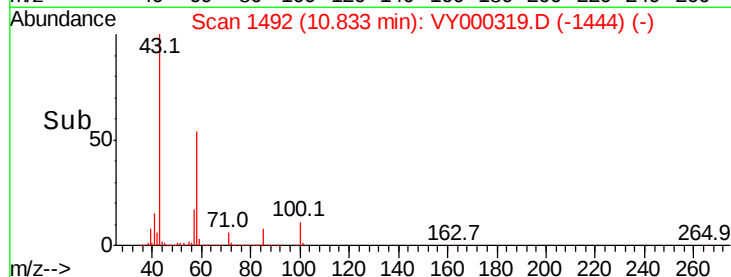
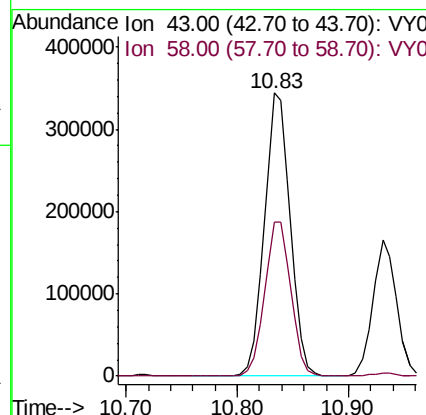
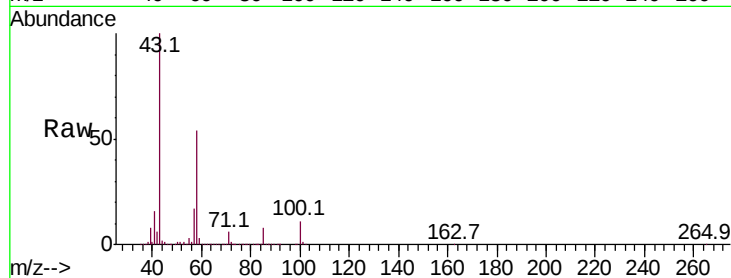




#59
2-Hexanone
Concen: 279.753 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

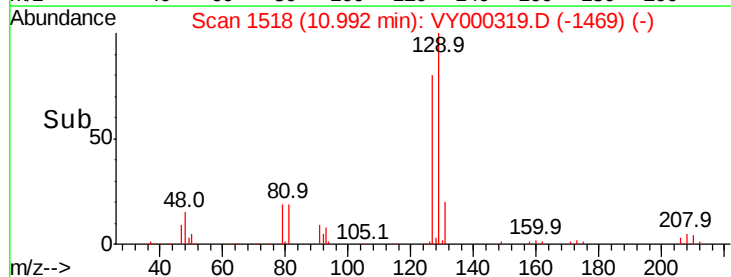
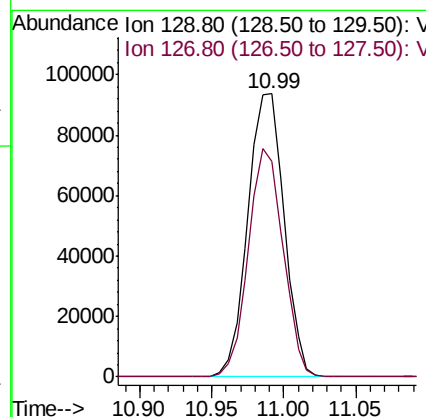
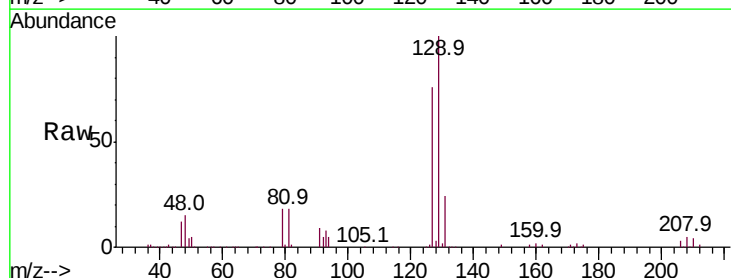
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

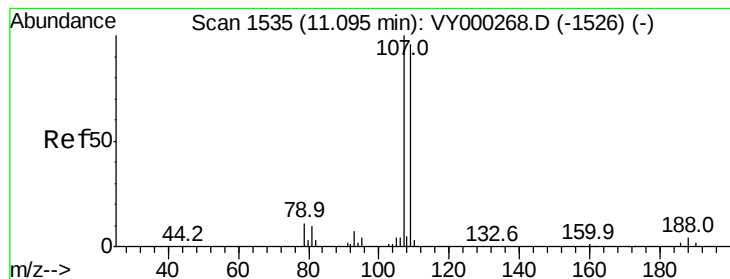
Tot Ion: 43 Resp: 557965
Ion Ratio Lower Upper
43 100
58 55.4 27.7 83.1



#60
Dibromochloromethane
Concen: 52.225 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion: 129 Resp: 163272
Ion Ratio Lower Upper
129 100
127 77.4 39.9 119.7





#61

1,2-Dibromoethane

Concen: 49.935 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

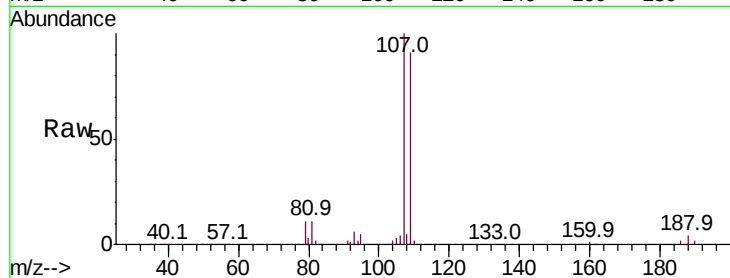
VSTDCCC050EC

Tot Ion: 107 Resp: 135238

Ion Ratio Lower Upper

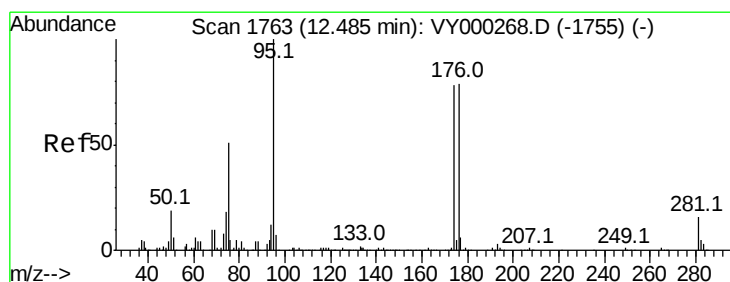
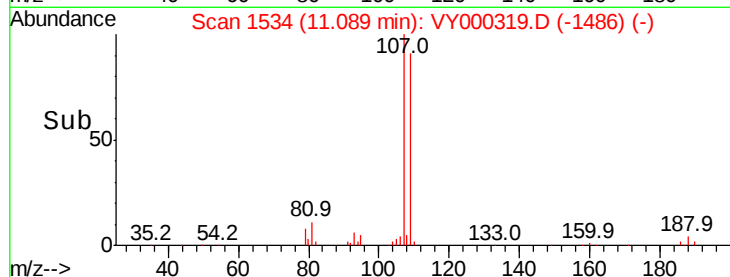
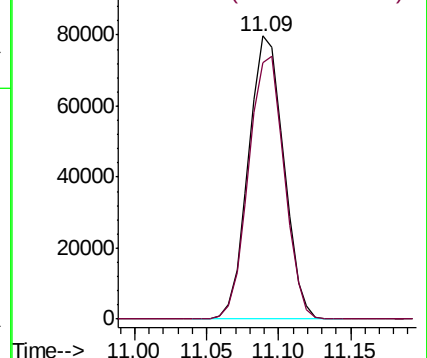
107 100

109 93.5 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.452 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

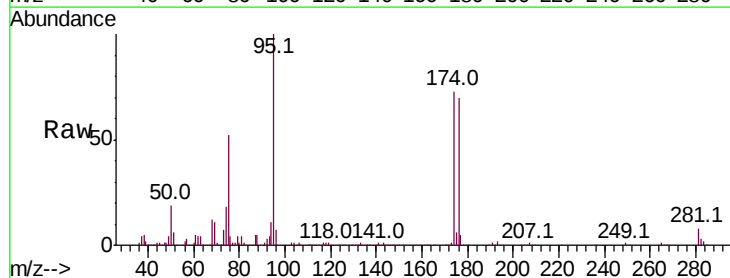
Tgt Ion: 95 Resp: 231097

Ion Ratio Lower Upper

95 100

174 75.2 0.0 159.6

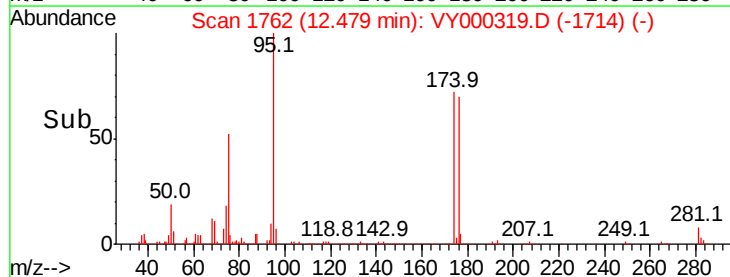
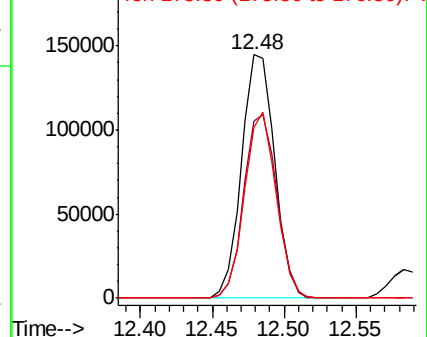
176 73.1 0.0 153.8

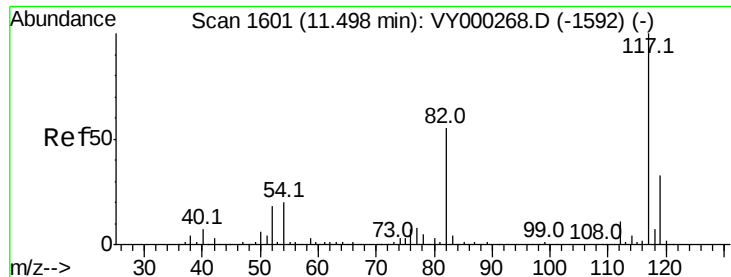


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

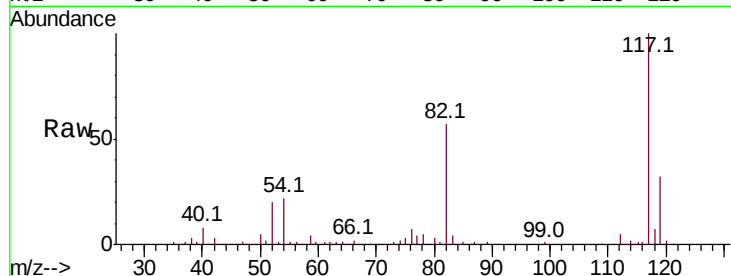




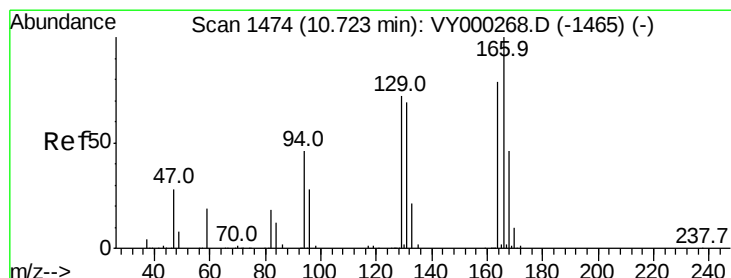
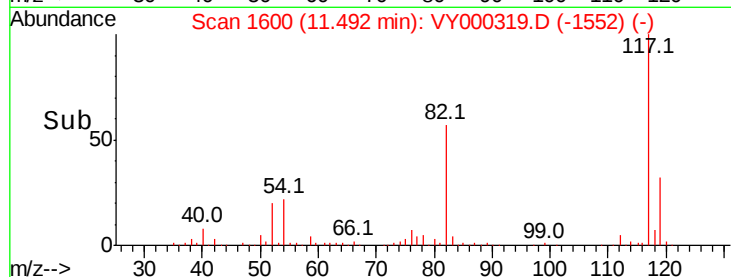
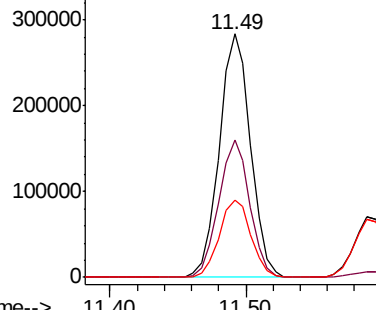
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 454816
Ion Ratio Lower Upper
117 100
82 56.7 43.7 65.5
119 31.9 26.6 39.8

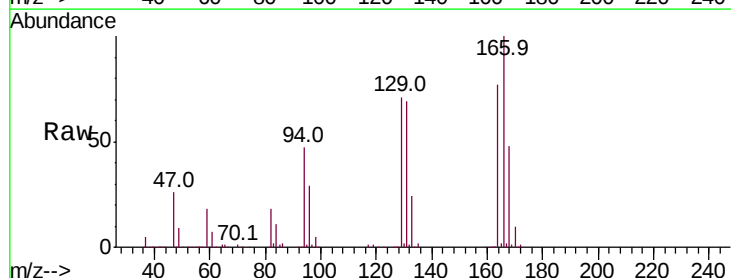


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

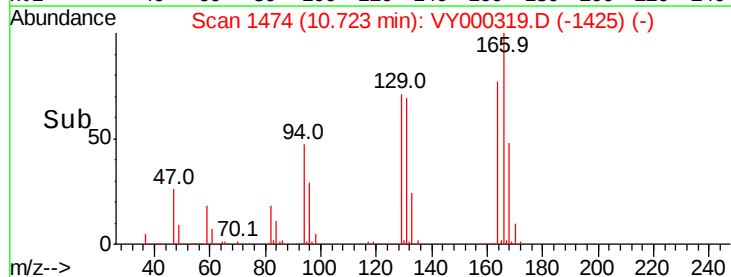
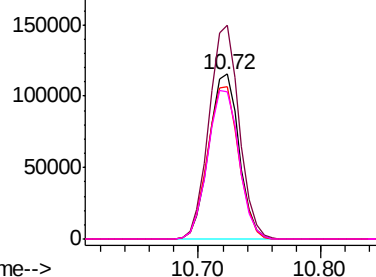


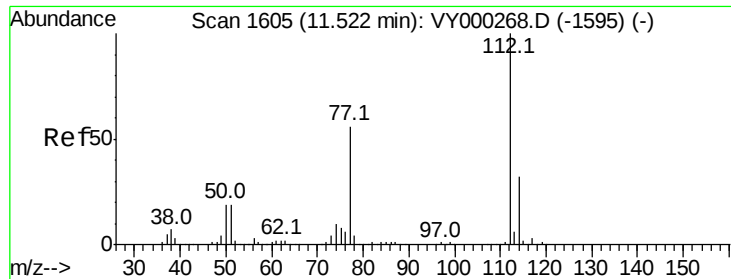
#64
Tetrachloroethene
Concen: 45.707 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion:164 Resp: 197907
Ion Ratio Lower Upper
164 100
166 129.4 100.6 151.0
129 92.5 72.8 109.2
131 89.4 69.4 104.2



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





#65

Chlorobenzene

Concen: 49.023 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

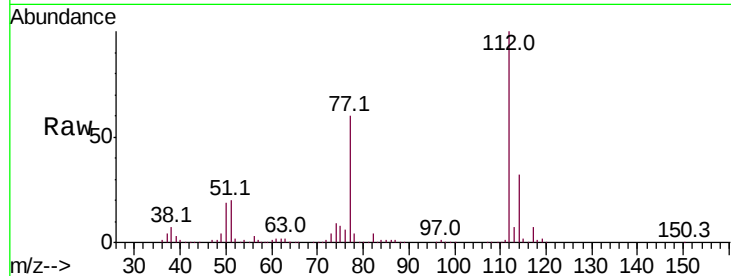
VSTDCCC050EC

Tot Ion:112 Resp: 470551

Ion Ratio Lower Upper

112 100

114 31.9 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.52

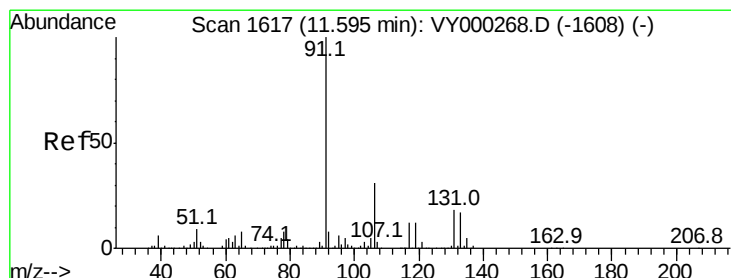
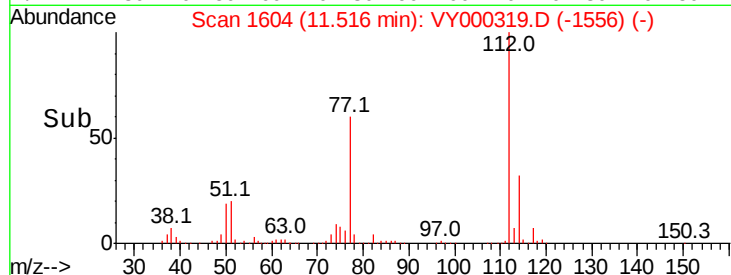
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.208 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

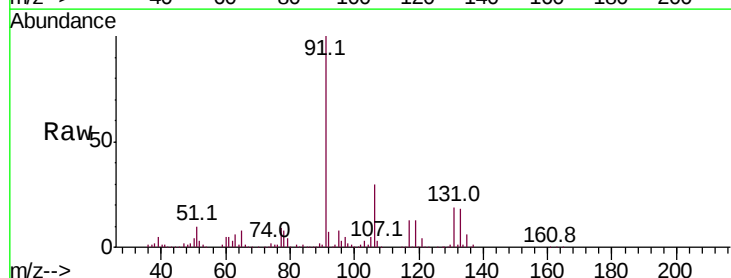
Tgt Ion:131 Resp: 165920

Ion Ratio Lower Upper

131 100

133 96.6 47.2 141.6

119 67.4 32.6 98.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

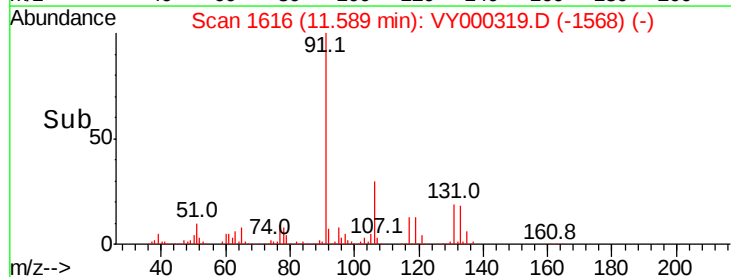
11.59

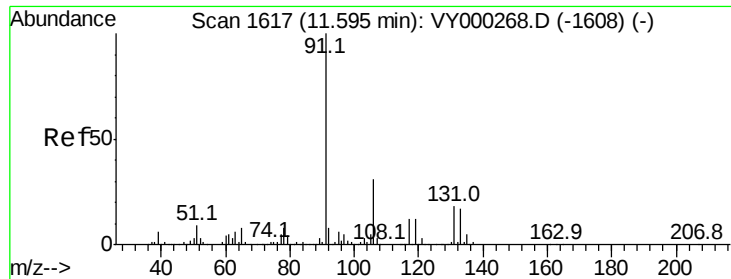
100000

50000

0

Time-->

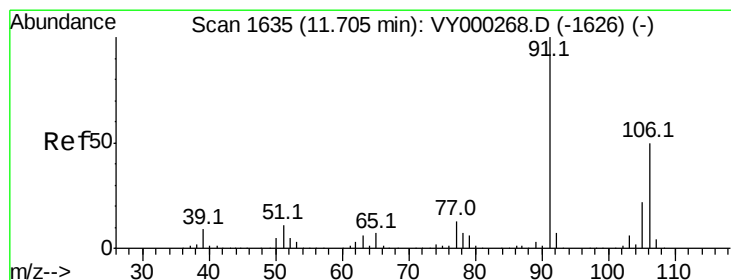
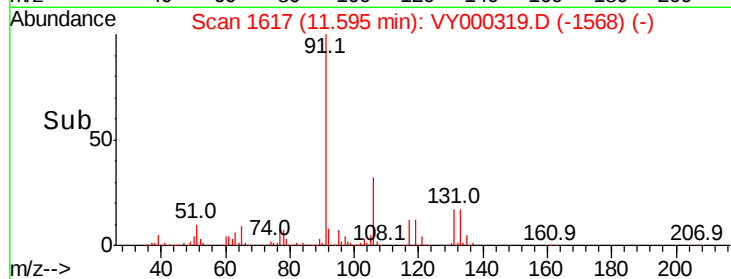
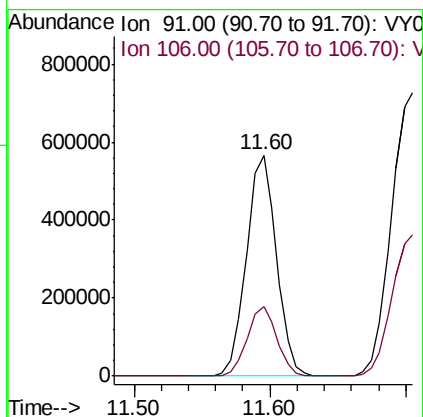
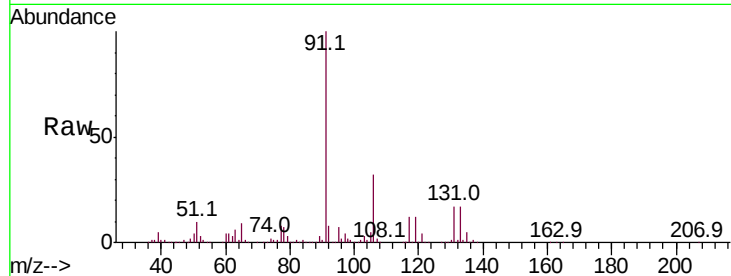




#67
Ethyl Benzene
Concen: 49.182 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

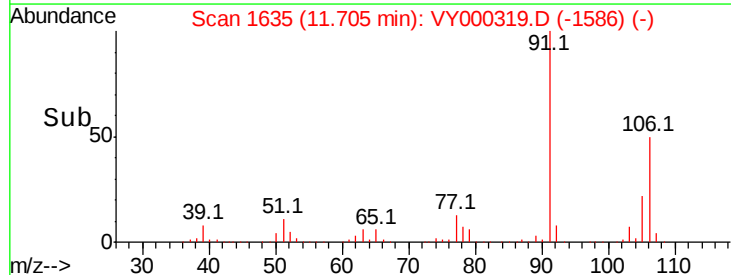
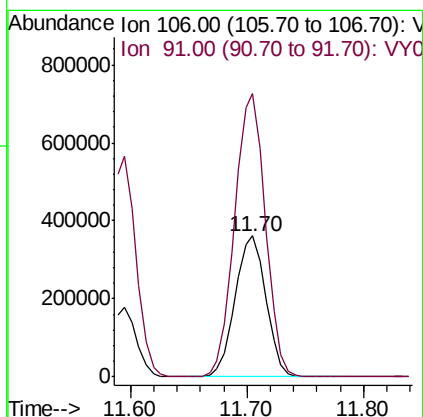
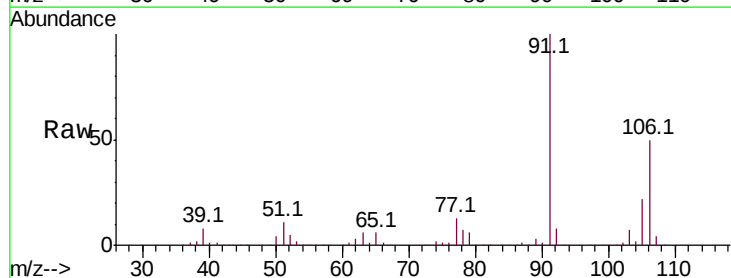
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

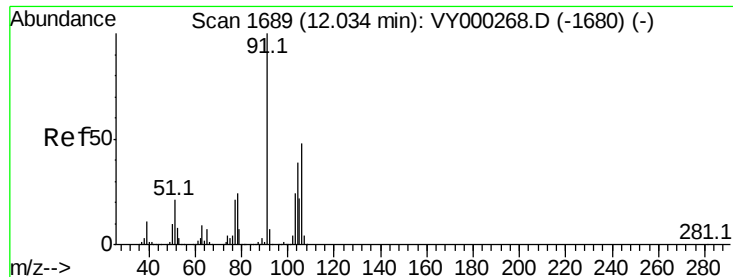
Tot Ion: 91 Resp: 875136
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.6



#68
m/p-Xylenes
Concen: 98.017 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion: 106 Resp: 666739
Ion Ratio Lower Upper
106 100
91 200.4 157.5 236.3

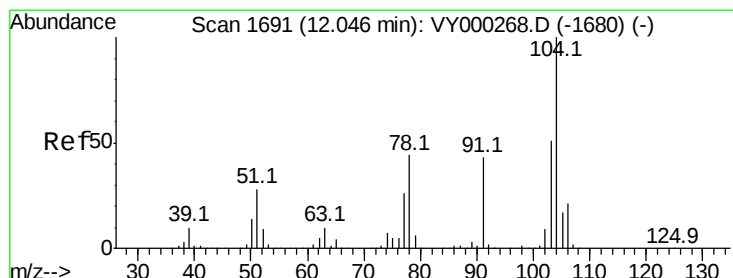
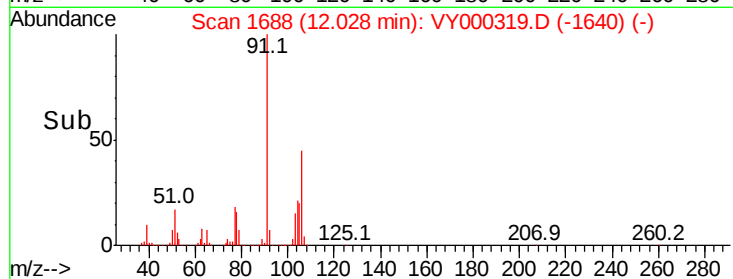
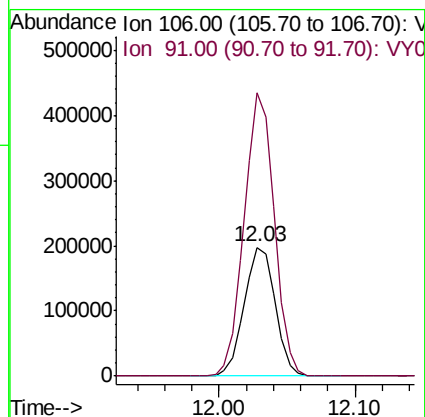
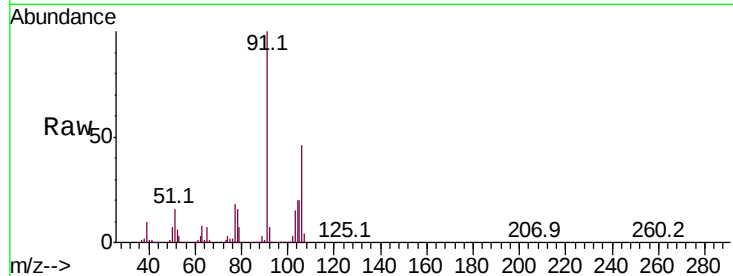




#69
o-Xylene
Concen: 48.613 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

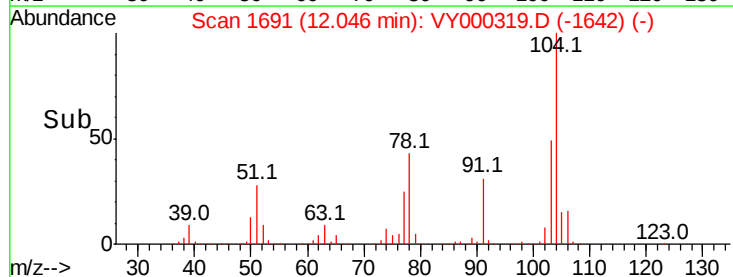
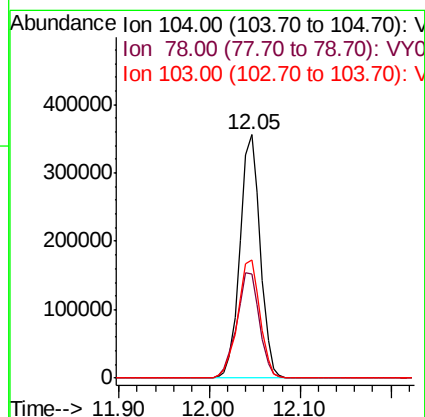
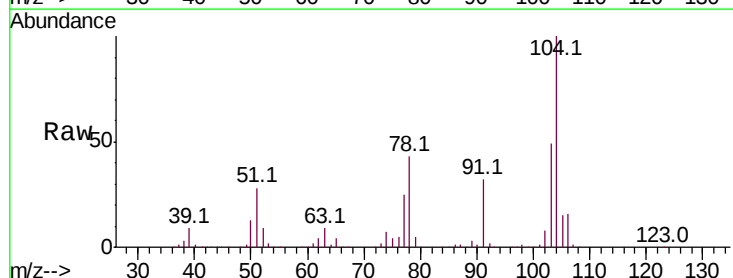
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

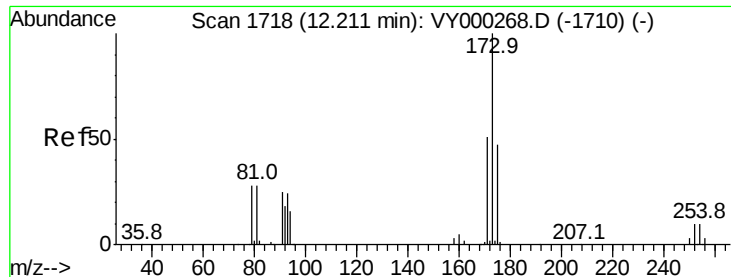
Tot Ion:106 Resp: 315457
Ion Ratio Lower Upper
106 100
91 213.9 104.7 313.9



#70
Styrene
Concen: 50.256 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion:104 Resp: 549996
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.6
103 53.5 43.1 64.7

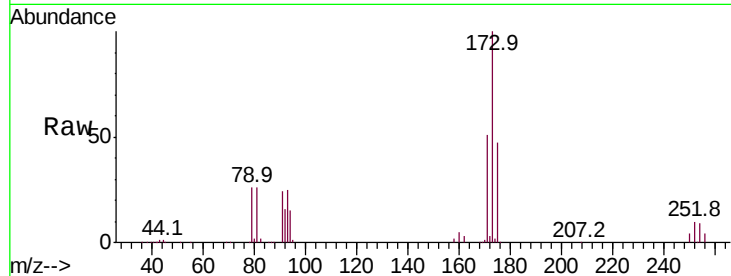




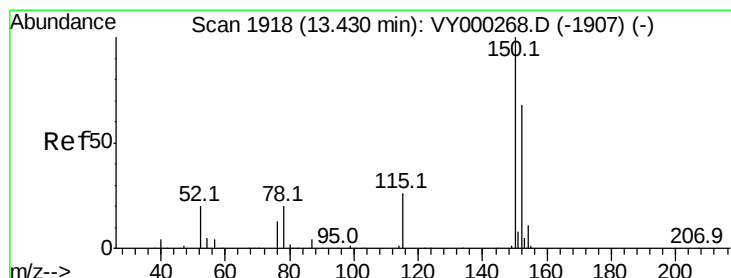
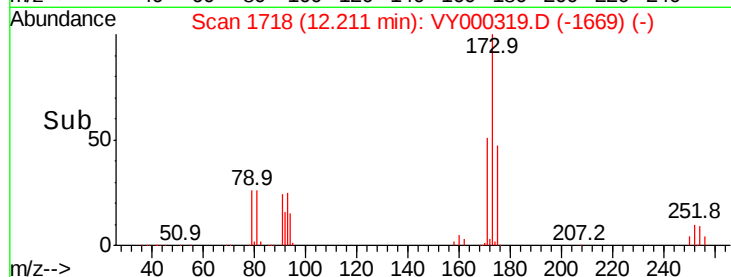
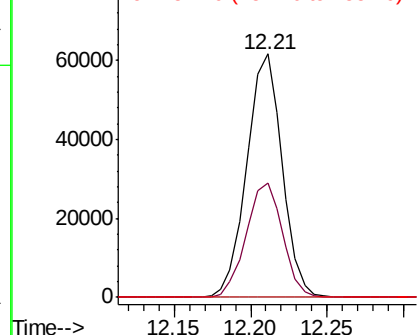
#71
Bromoform
Concen: 51.025 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 98903
Ion Ratio Lower Upper
173 100
175 48.6 24.6 73.6
254 0.0 0.1 0.1#

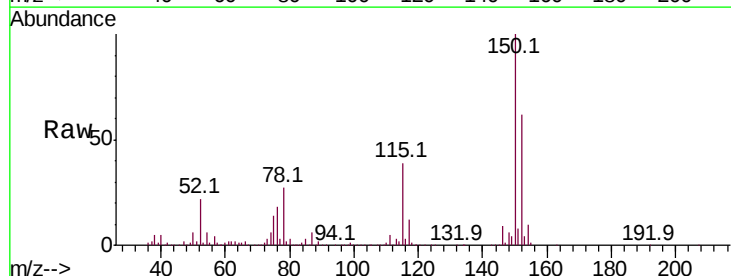


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

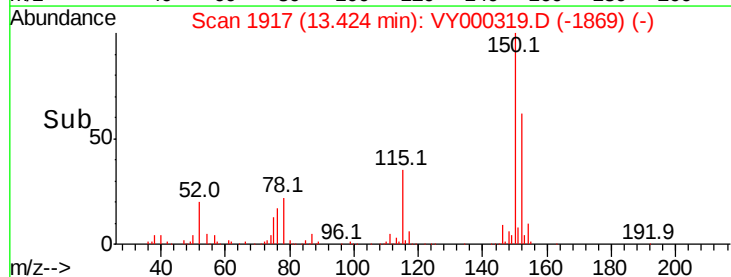
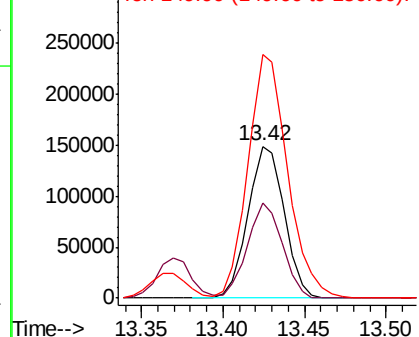


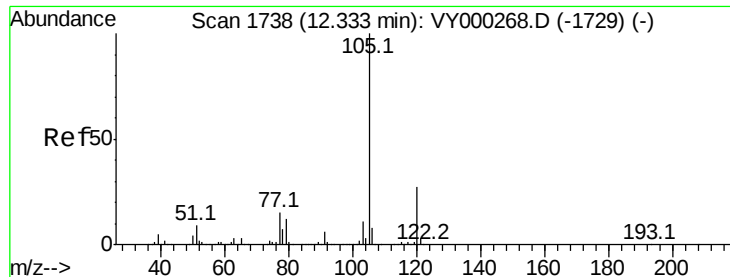
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion:152 Resp: 230390
Ion Ratio Lower Upper
152 100
115 60.4 29.3 88.0
150 175.5 0.0 348.4



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





#73

Isopropylbenzene

Concen: 48.384 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

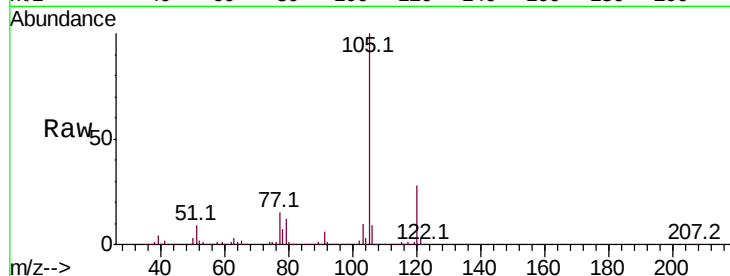
VSTDCCC050EC

Tot Ion:105 Resp: 869189

Ion Ratio Lower Upper

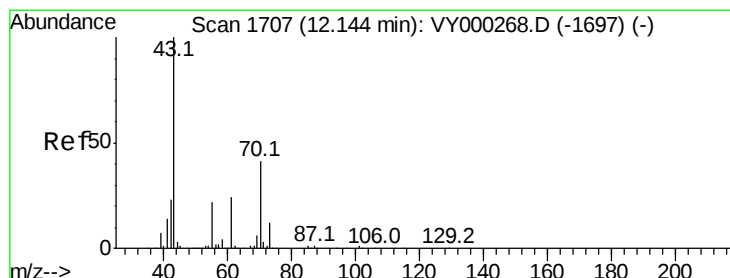
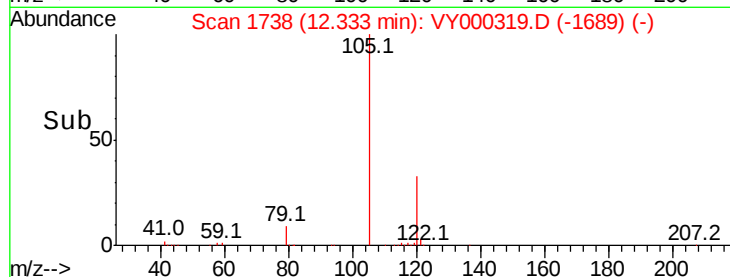
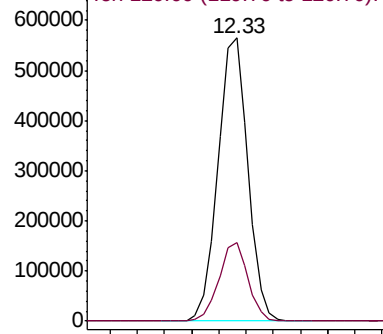
105 100

120 26.7 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 58.426 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Tgt Ion: 43 Resp: 257671

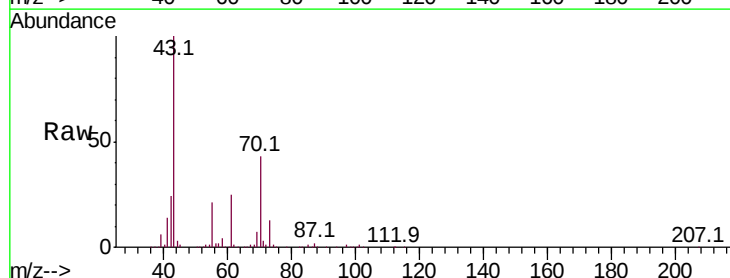
Ion Ratio Lower Upper

43 100

70 42.7 32.9 49.3

55 23.0 17.8 26.6

61 25.5 19.5 29.3

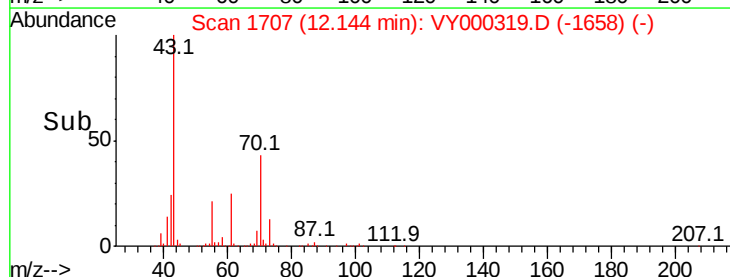
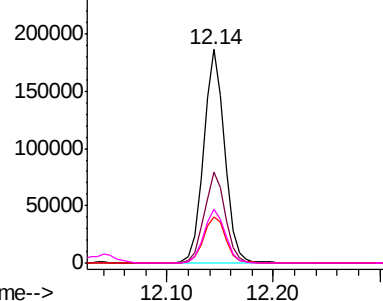


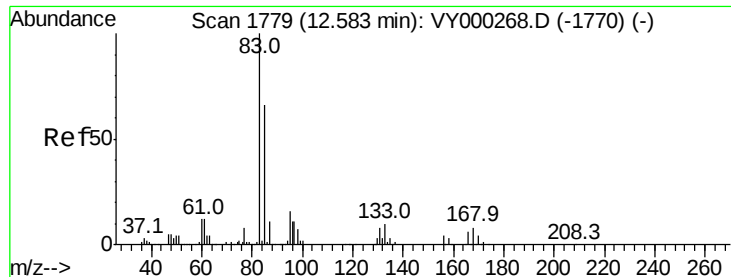
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.198 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

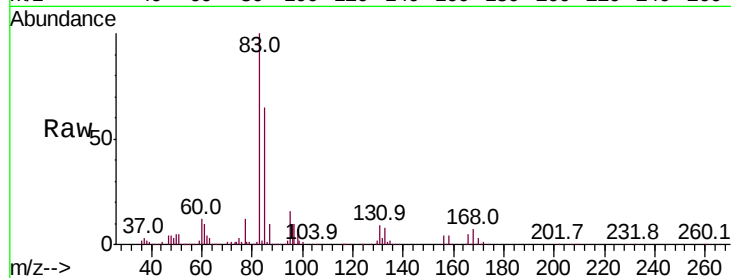
Tot Ion: 83 Resp: 165939

Ion Ratio Lower Upper

83 100

131 9.7 5.3 16.1

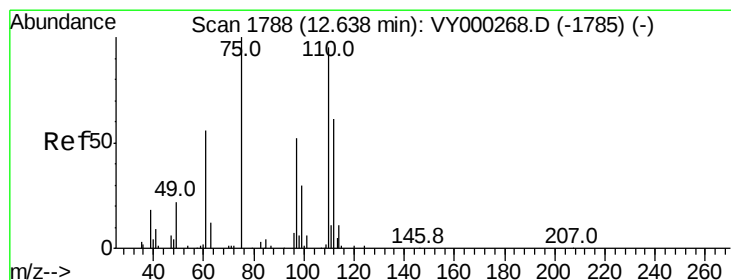
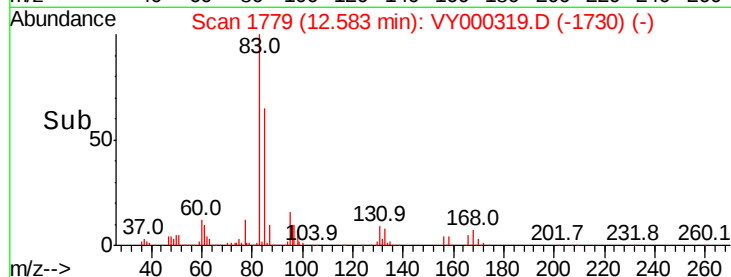
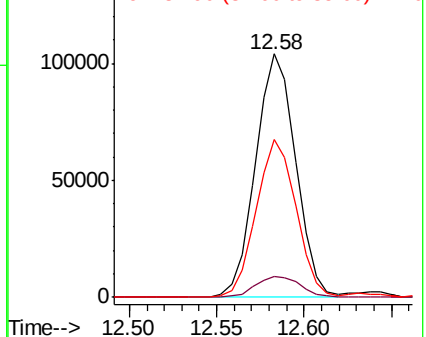
85 64.3 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 84.793 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VY000319.D

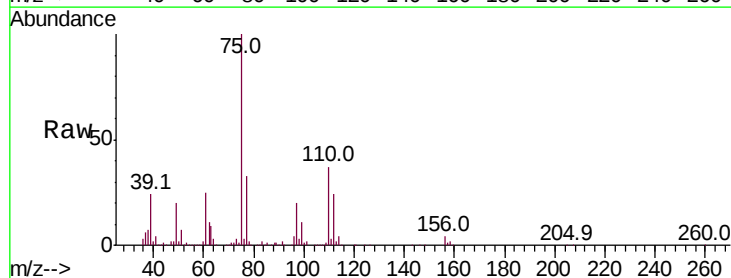
Acq: 15 Oct 2019 17:12

Tgt Ion: 75 Resp: 240219

Ion Ratio Lower Upper

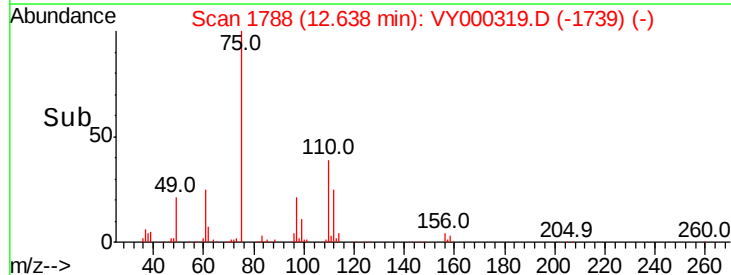
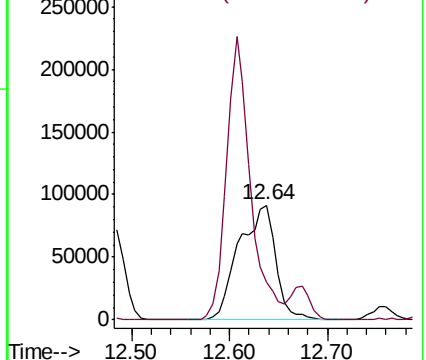
75 100

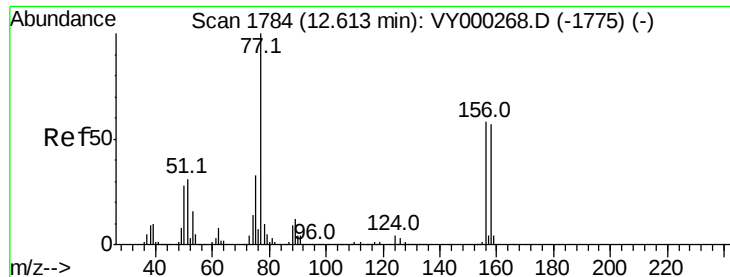
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 47.622 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

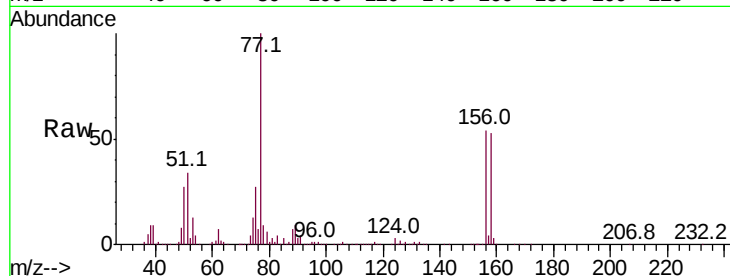
Tot Ion:156 Resp: 190368

Ion Ratio Lower Upper

156 100

77 203.4 101.0 302.9

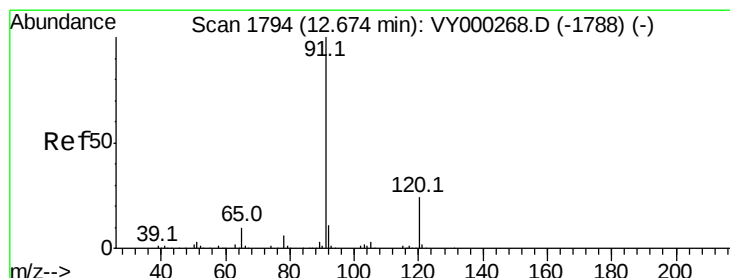
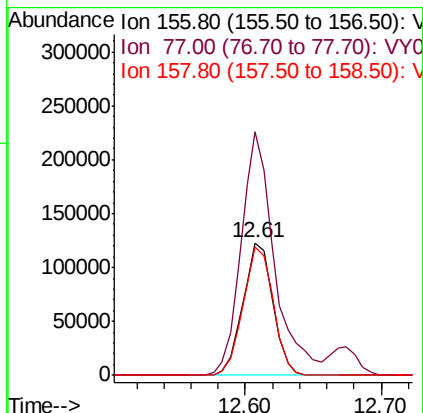
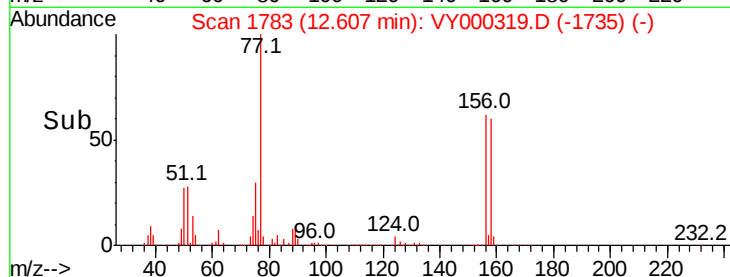
158 97.3 49.7 149.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.048 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY000319.D

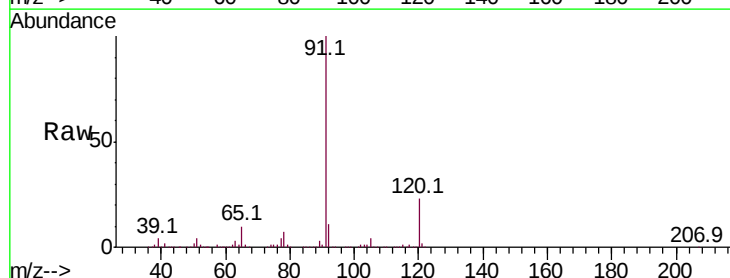
Acq: 15 Oct 2019 17:12

Tgt Ion: 91 Resp: 1057918

Ion Ratio Lower Upper

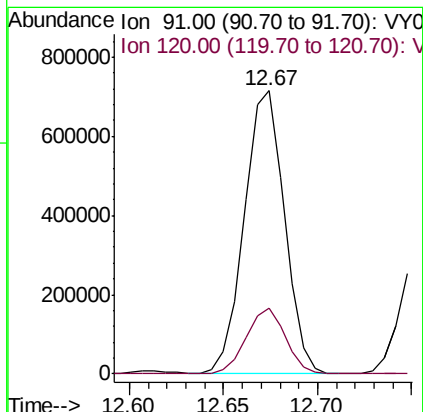
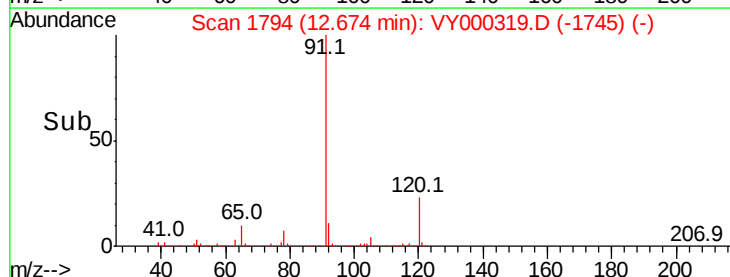
91 100

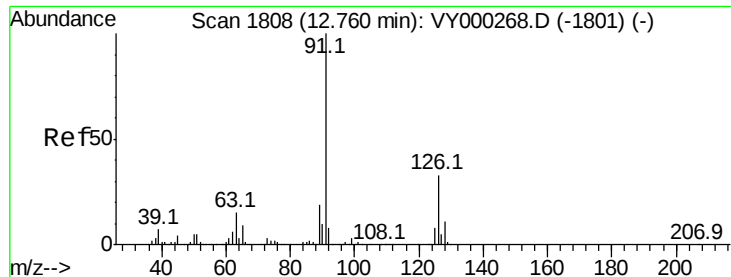
120 22.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.248 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

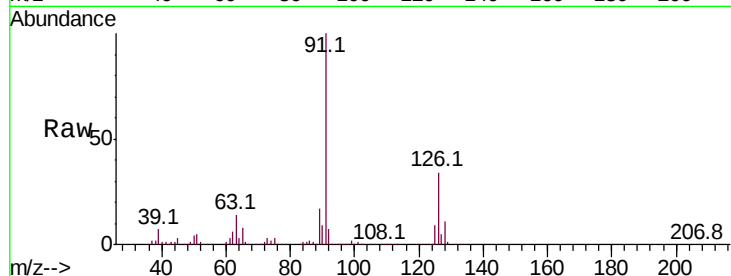
VSTDCCC050EC

Tot Ion: 91 Resp: 586629

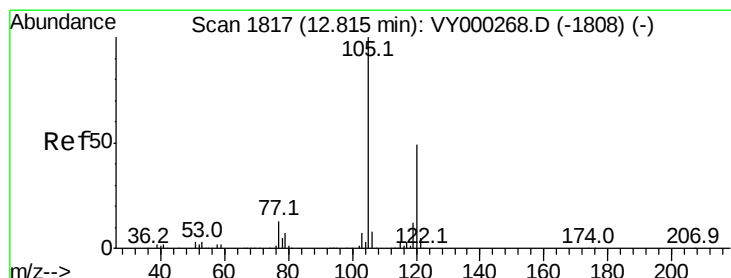
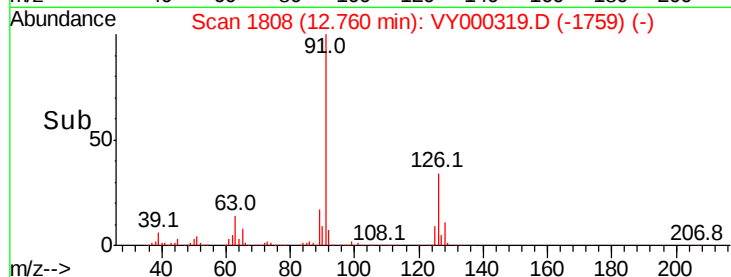
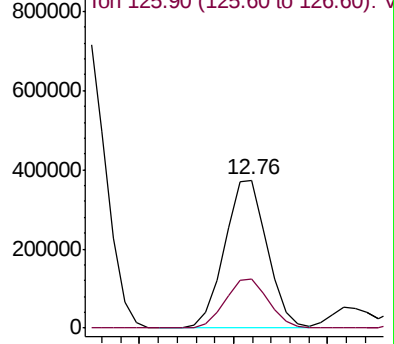
Ion Ratio Lower Upper

91 100

126 33.6 17.1 51.3



Abundance Ion 91.00 (90.70 to 91.70): VY000319.D (-1759) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.425 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000319.D

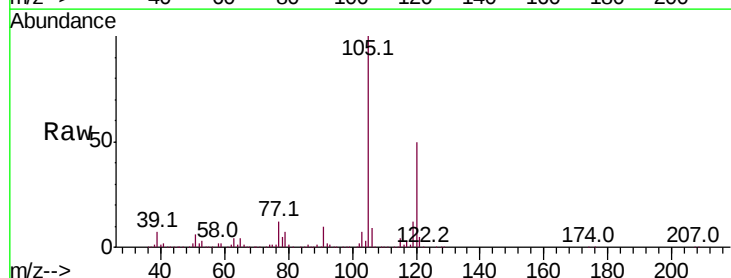
Acq: 15 Oct 2019 17:12

Tgt Ion:105 Resp: 729447

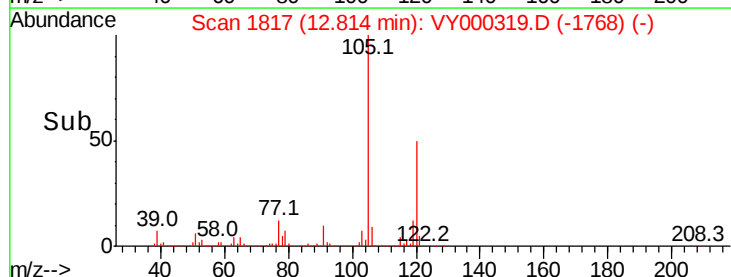
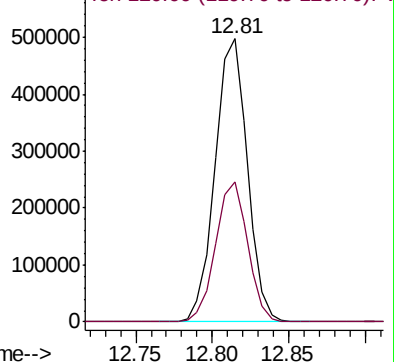
Ion Ratio Lower Upper

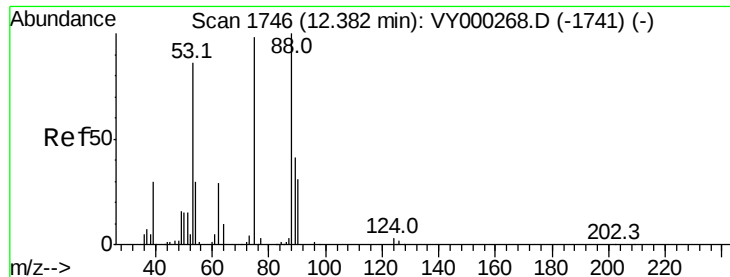
105 100

120 49.3 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000319.D (-1768) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.012 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

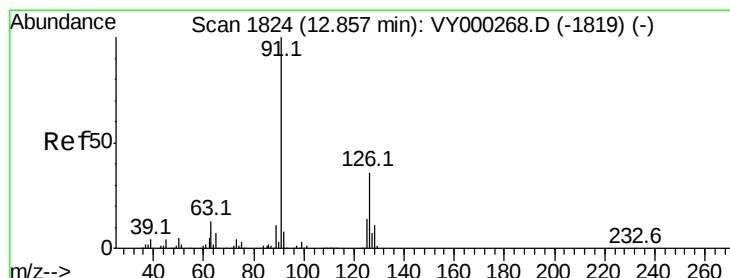
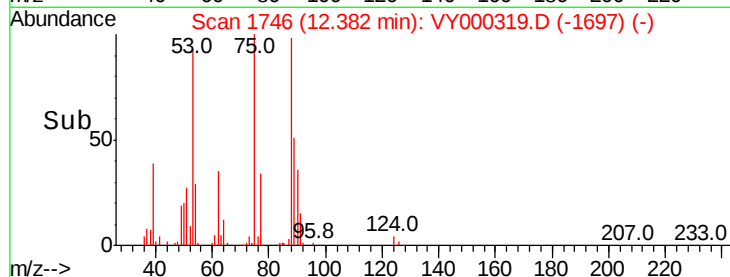
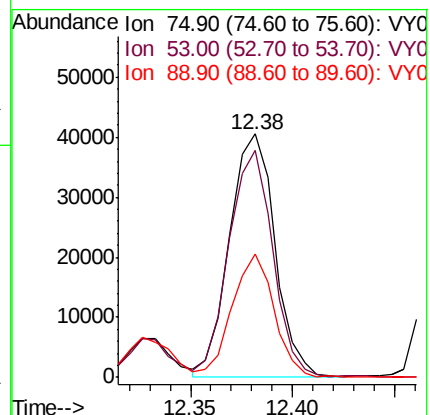
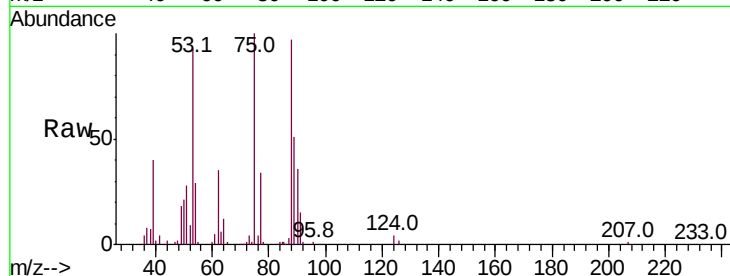
Tot Ion: 75 Resp: 62167

Ion Ratio Lower Upper

75 100

53 89.9 71.3 106.9

89 47.4 35.1 52.7



#82

4-Chlorotoluene

Concen: 48.586 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VY000319.D

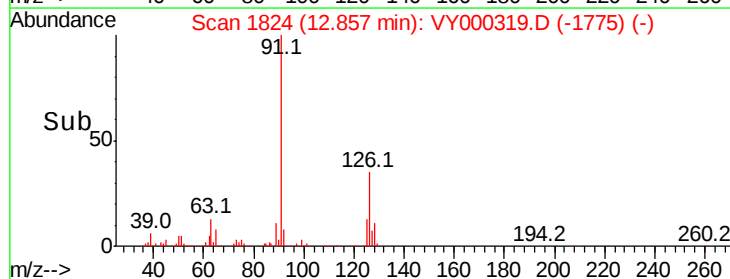
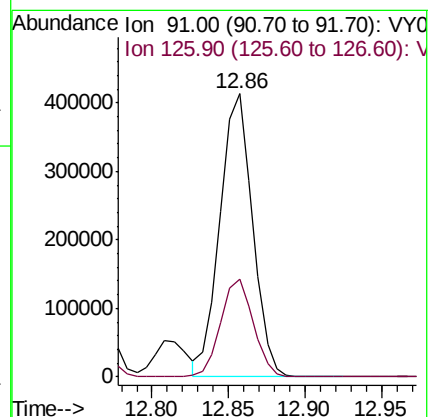
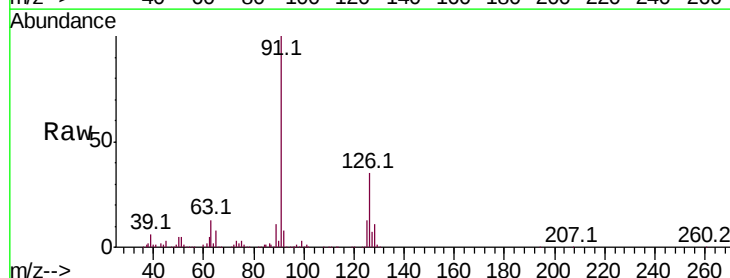
Acq: 15 Oct 2019 17:12

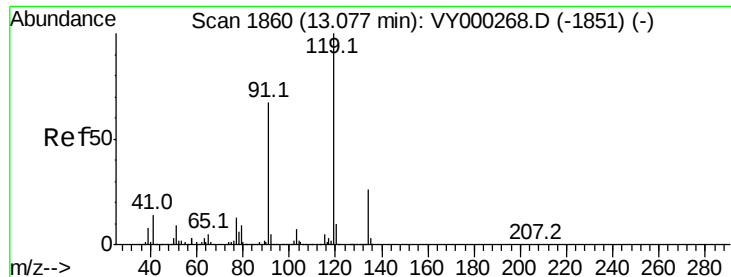
Tgt Ion: 91 Resp: 611753

Ion Ratio Lower Upper

91 100

126 34.8 17.2 51.5

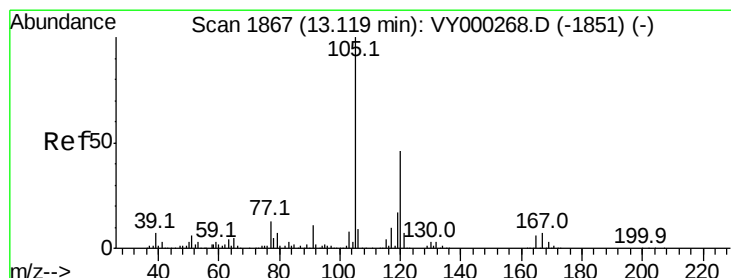
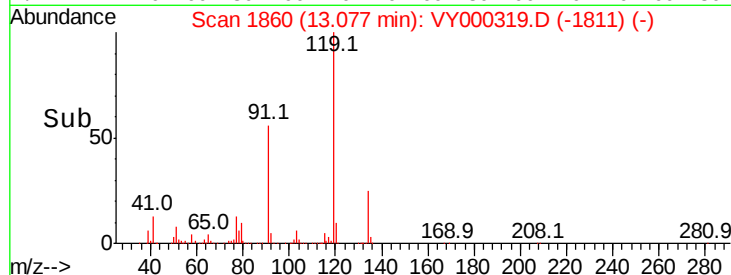
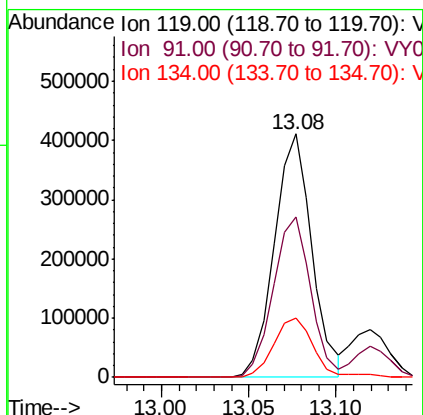
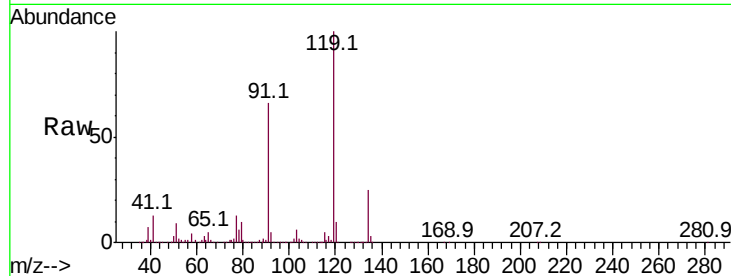




#83
tert-Butylbenzene
Concen: 48.093 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

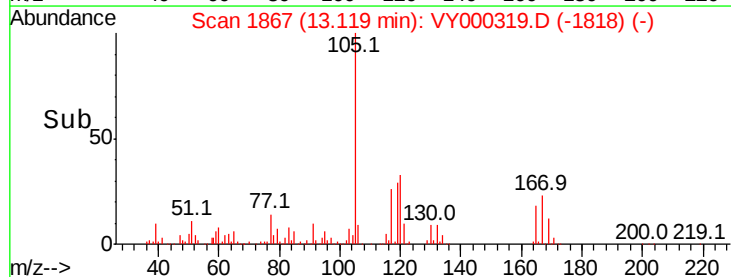
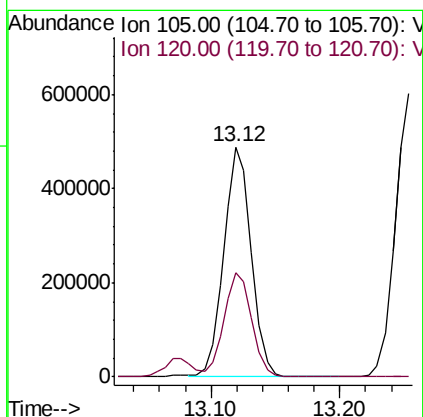
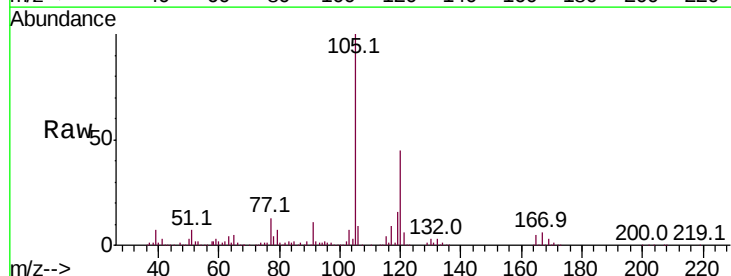
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

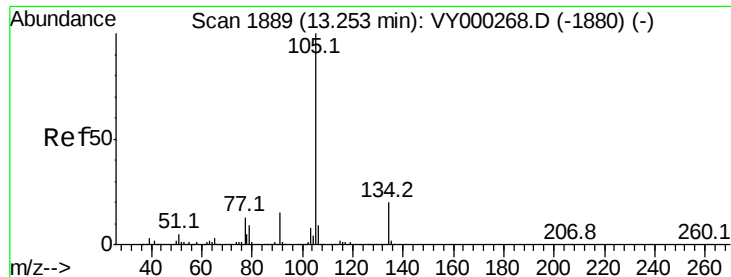
Tot Ion:119 Resp: 613497
Ion Ratio Lower Upper
119 100
91 66.0 32.9 98.7
134 26.2 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 48.877 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000319.D
Acq: 15 Oct 2019 17:12

Tgt Ion:105 Resp: 726658
Ion Ratio Lower Upper
105 100
120 45.4 22.9 68.8





#85

sec-Butylbenzene

Concen: 48.396 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

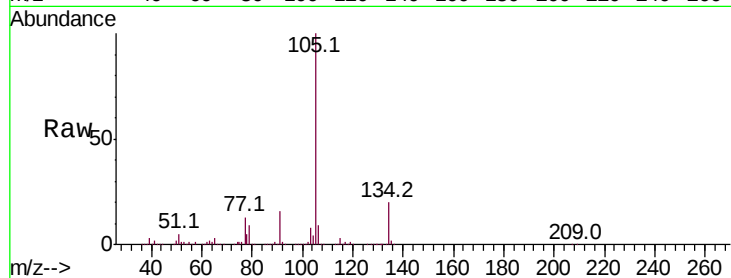
VSTDCCC050EC

Tot Ion:105 Resp: 893088

Ion Ratio Lower Upper

105 100

134 20.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

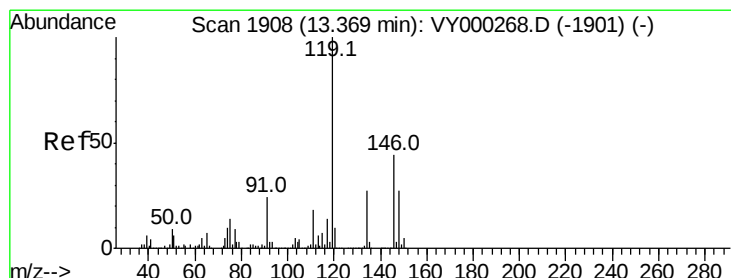
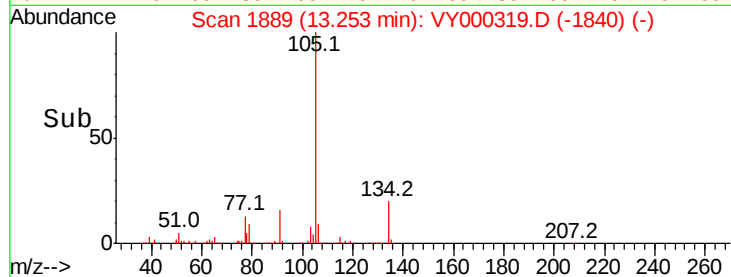
600000

400000

200000

0

Time--> 13.15 13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 49.441 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

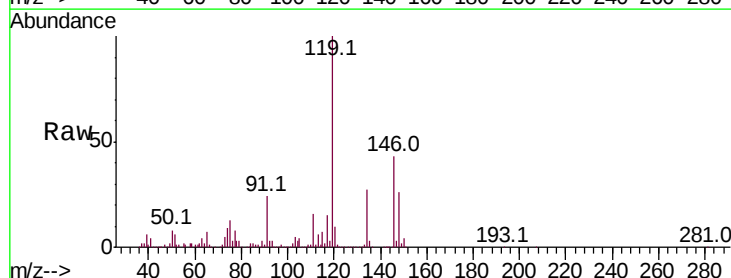
Tgt Ion:119 Resp: 795423

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

91 23.8 12.0 36.1



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): VY0

13.37

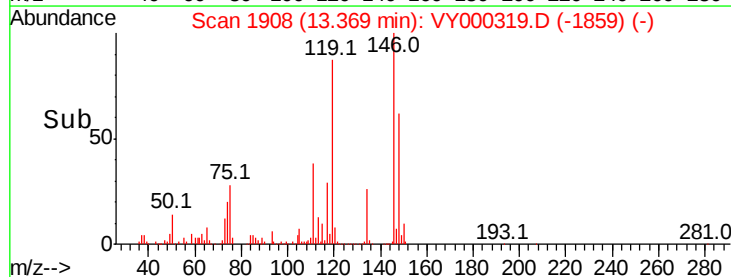
600000

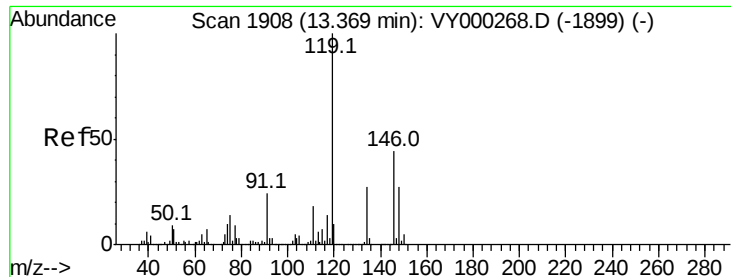
400000

200000

0

Time--> 13.30 13.35 13.40





#87

1,3-Dichlorobenzene

Concen: 48.332 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

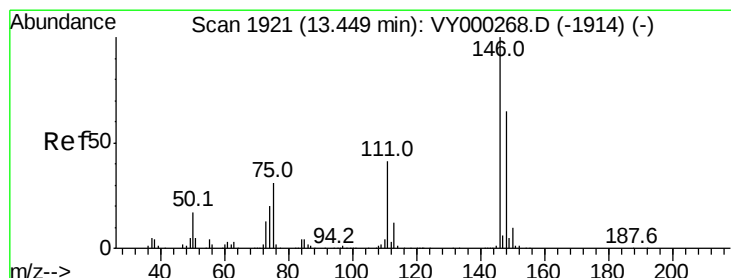
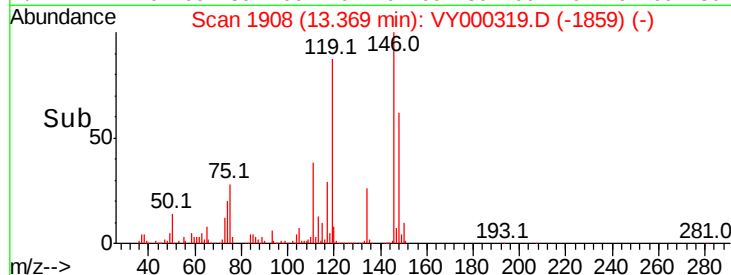
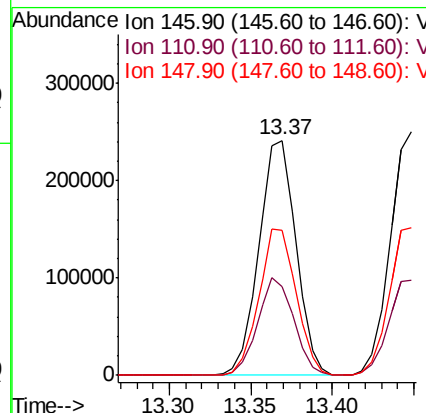
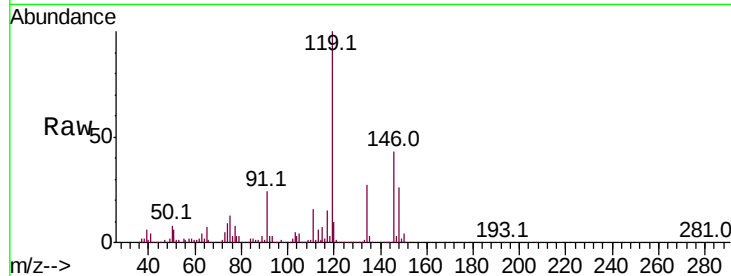
Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 380671

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.8
148	62.7	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 48.411 ug/l

RT: 13.45 min Scan# 1921

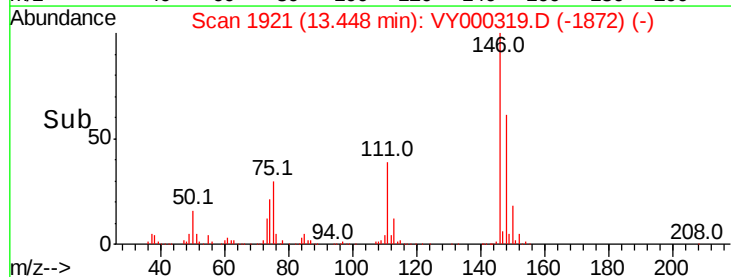
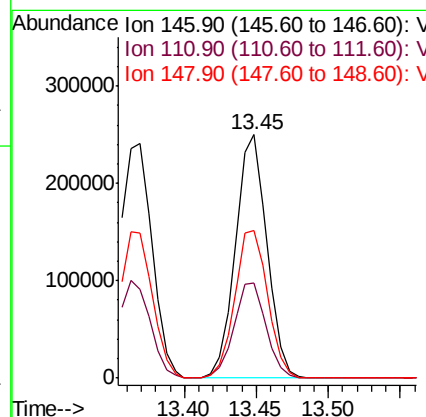
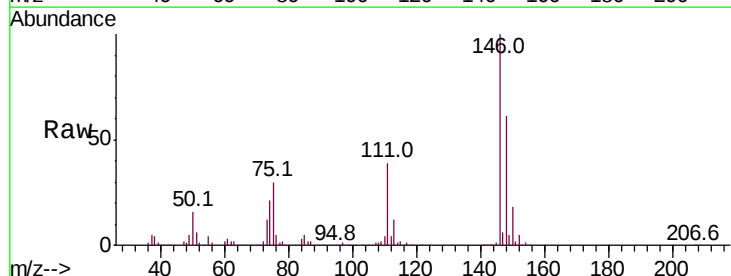
Delta R.T. -0.00 min

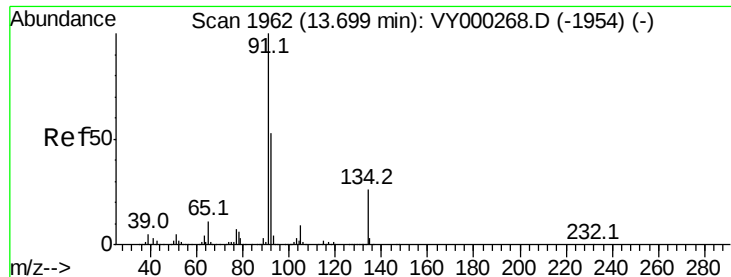
Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Tgt Ion:146 Resp: 381105

Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.2
148	63.6	32.4	97.2





#89

n-Butylbenzene

Concen: 49.996 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

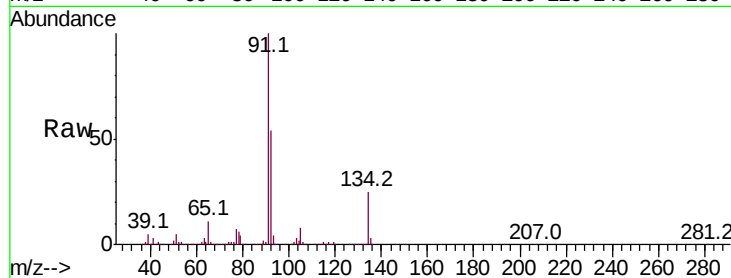
Tot Ion: 91 Resp: 794855

Ion Ratio Lower Upper

91 100

92 53.9 26.7 80.1

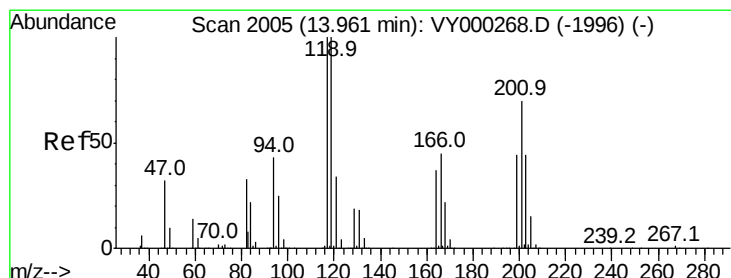
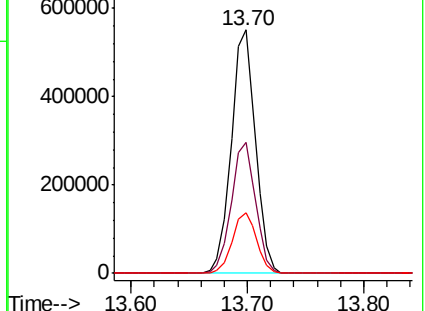
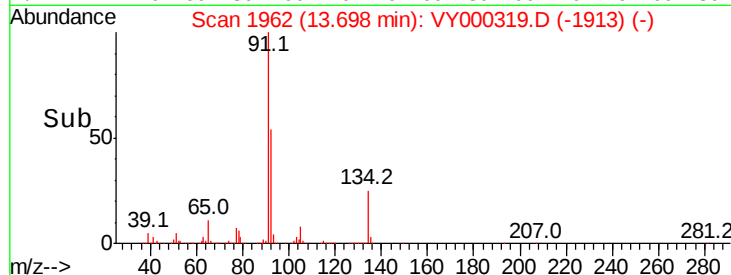
134 25.1 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VY000319.D (-1913) (-)

Ion 92.00 (91.70 to 92.70): VY000319.D (-1913) (-)

Ion 134.00 (133.70 to 134.70): VY000319.D (-1913) (-)



#90

Hexachloroethane

Concen: 49.778 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. -0.00 min

Lab File: VY000319.D

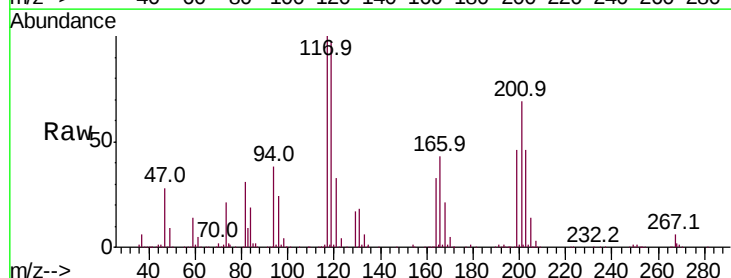
Acq: 15 Oct 2019 17:12

Tgt Ion: 117 Resp: 148294

Ion Ratio Lower Upper

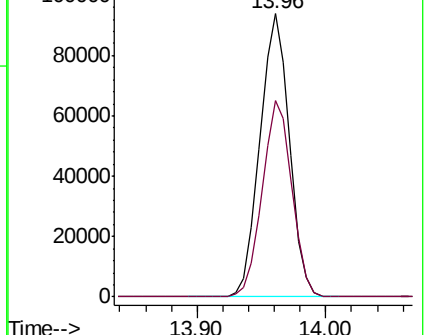
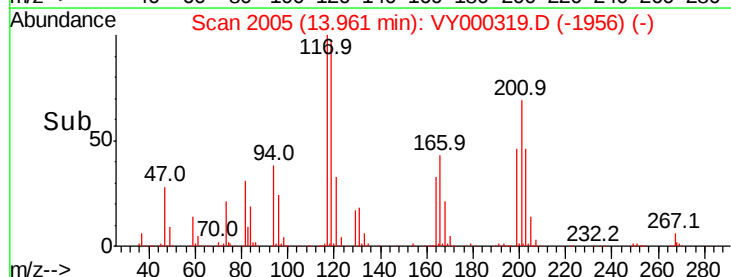
117 100

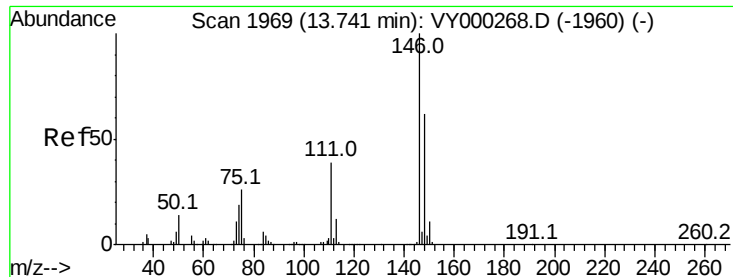
201 69.9 36.3 108.7



Abundance Ion 116.80 (116.50 to 117.50): VY000319.D (-1956) (-)

Ion 200.70 (200.40 to 201.40): VY000319.D (-1956) (-)

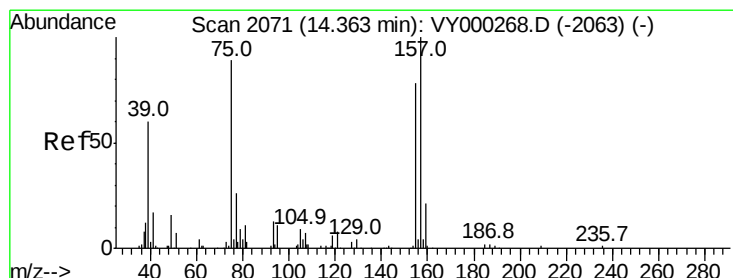
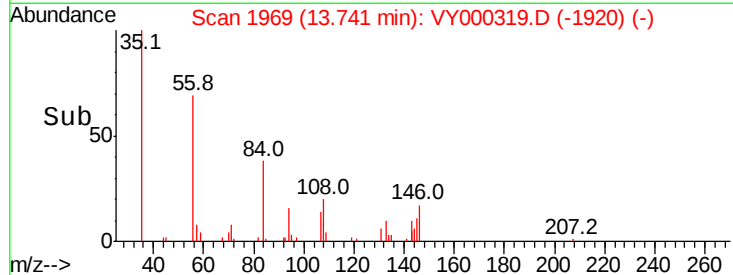
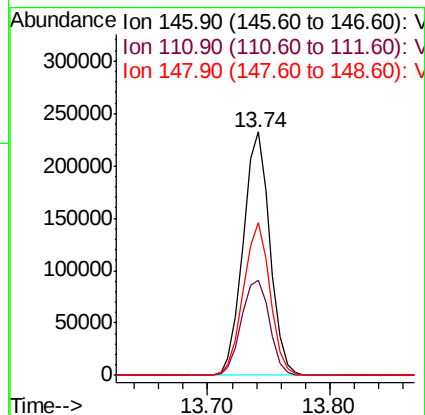
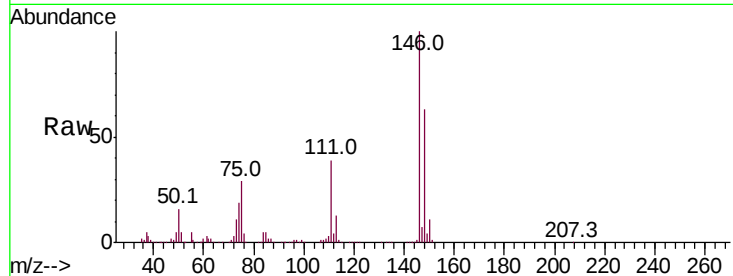




#91
 1,2-Dichlorobenzene
 Concen: 49.228 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

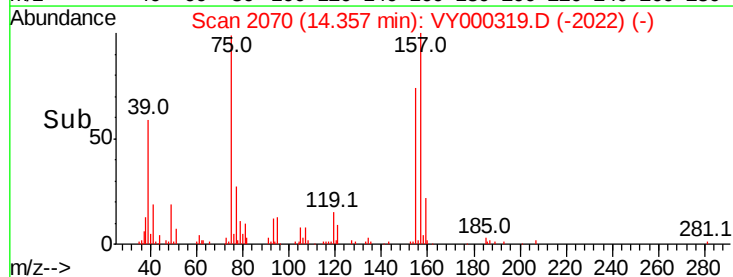
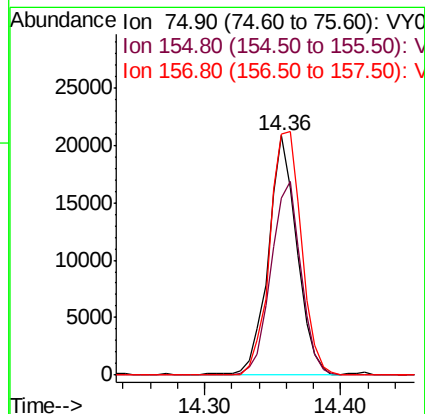
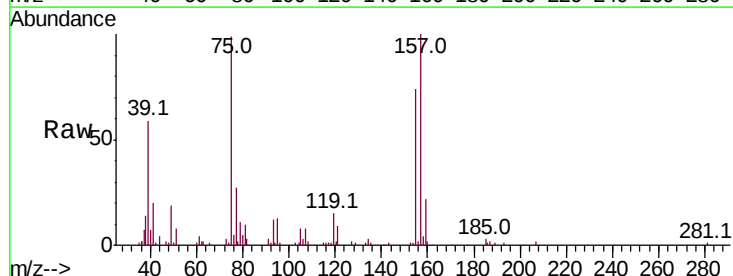
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

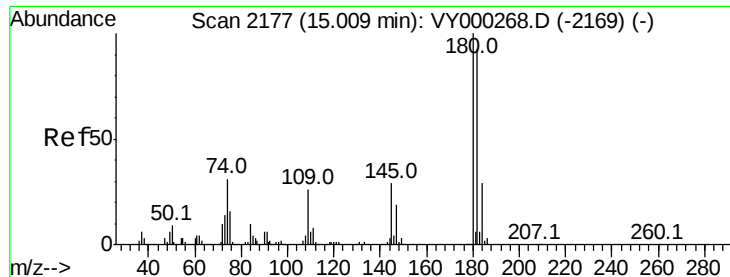
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.5	61.5
148	62.9	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.310 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	45.8	137.3
157	111.2	55.6	166.9

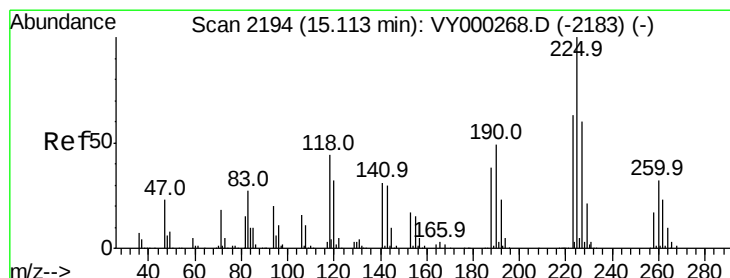
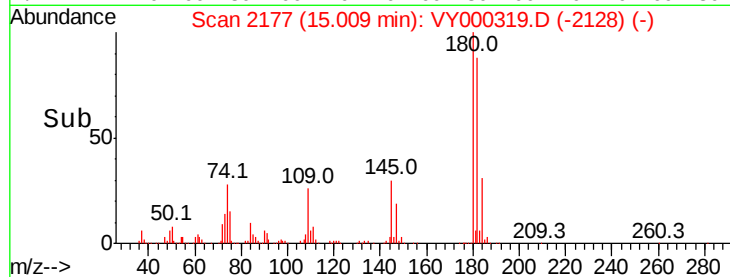
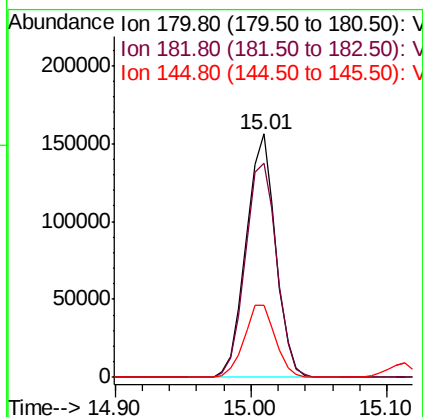
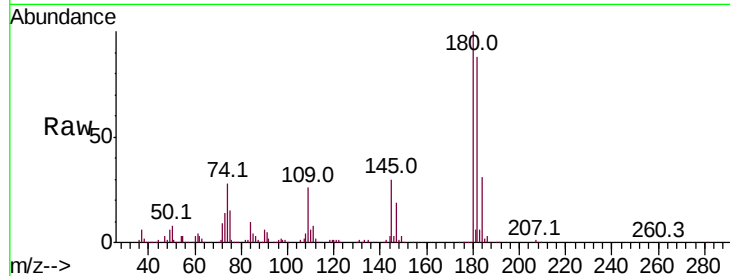




#93
 1,2,4-Trichlorobenzene
 Concen: 47.830 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

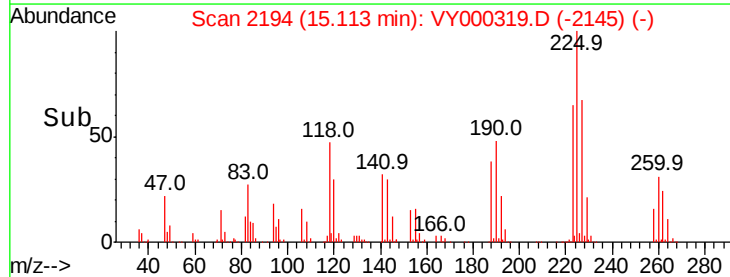
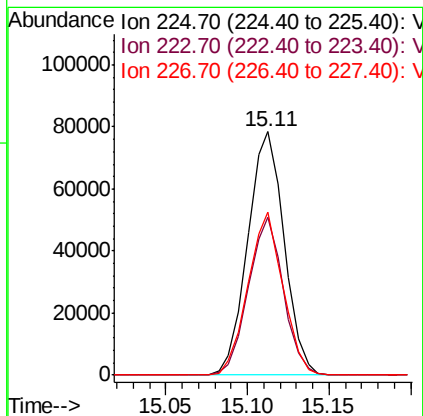
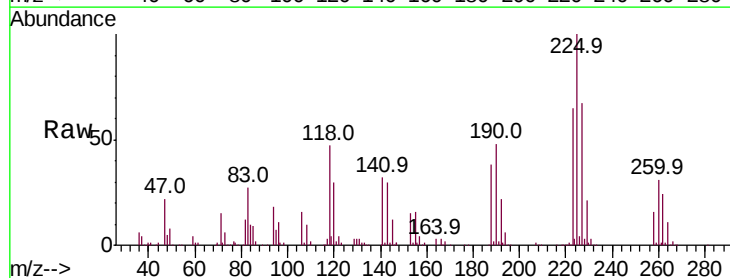
Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

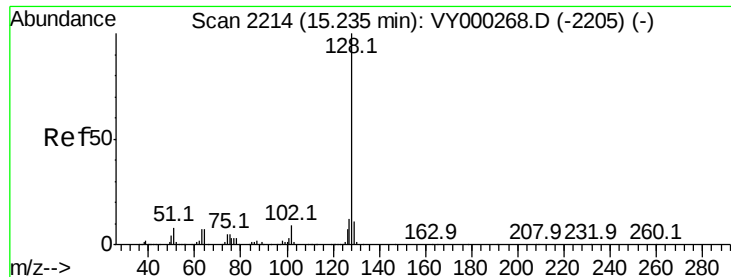
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.5	142.6
145	31.3	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 45.344 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000319.D
 Acq: 15 Oct 2019 17:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	31.9	95.7
227	64.2	31.4	94.2





#95

Naphthalene

Concen: 48.385 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

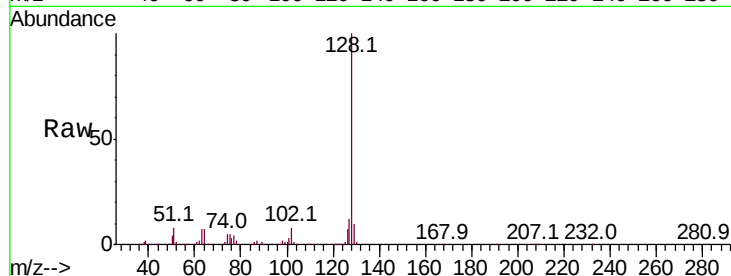
Tot Ion:128 Resp: 535849

Ion Ratio Lower Upper

128 100

127 12.4 9.6 14.4

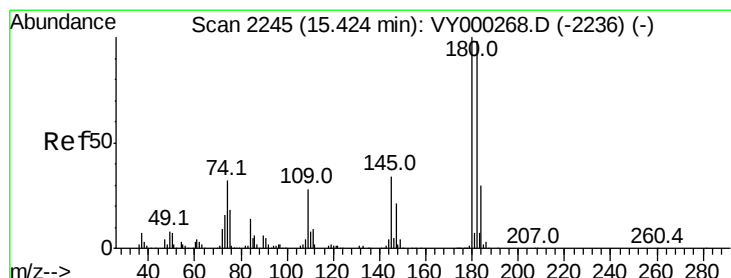
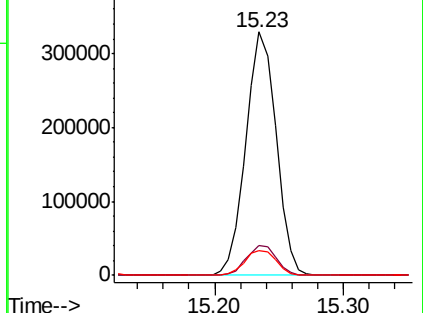
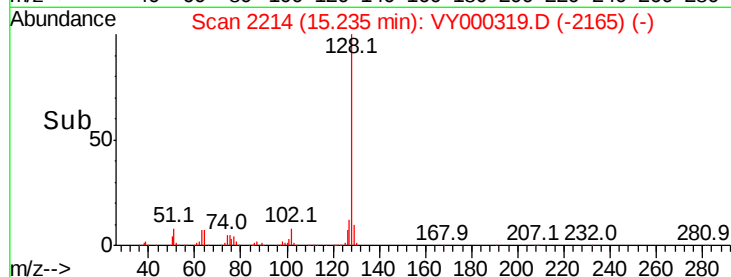
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.852 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VY000319.D

Acq: 15 Oct 2019 17:12

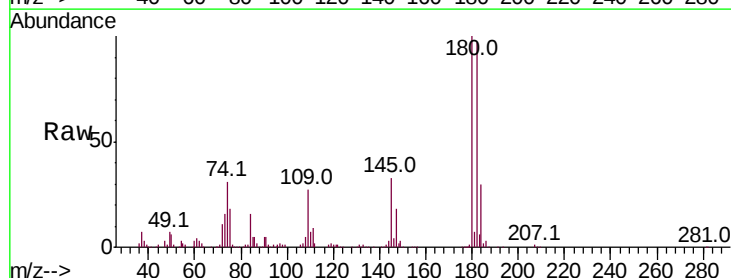
Tgt Ion:180 Resp: 214020

Ion Ratio Lower Upper

180 100

182 95.7 46.5 139.5

145 32.9 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

