

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110420\
 Data File : VX019241.D
 Acq On : 03 Nov 2020 18:32
 Operator : JC/MD
 Sample : PB132785ZHE#08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB132785ZHE#08

Quant Time: Nov 04 02:24:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	317620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	555105	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	548205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	286429	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	210695	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
35) Dibromofluoromethane	5.46	113	167468	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
50) Toluene-d8	8.70	98	703043	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
62) 4-Bromofluorobenzene	11.12	95	281783	56.61	ug/l	0.00
Spiked Amount			Recovery	=	113.22%	

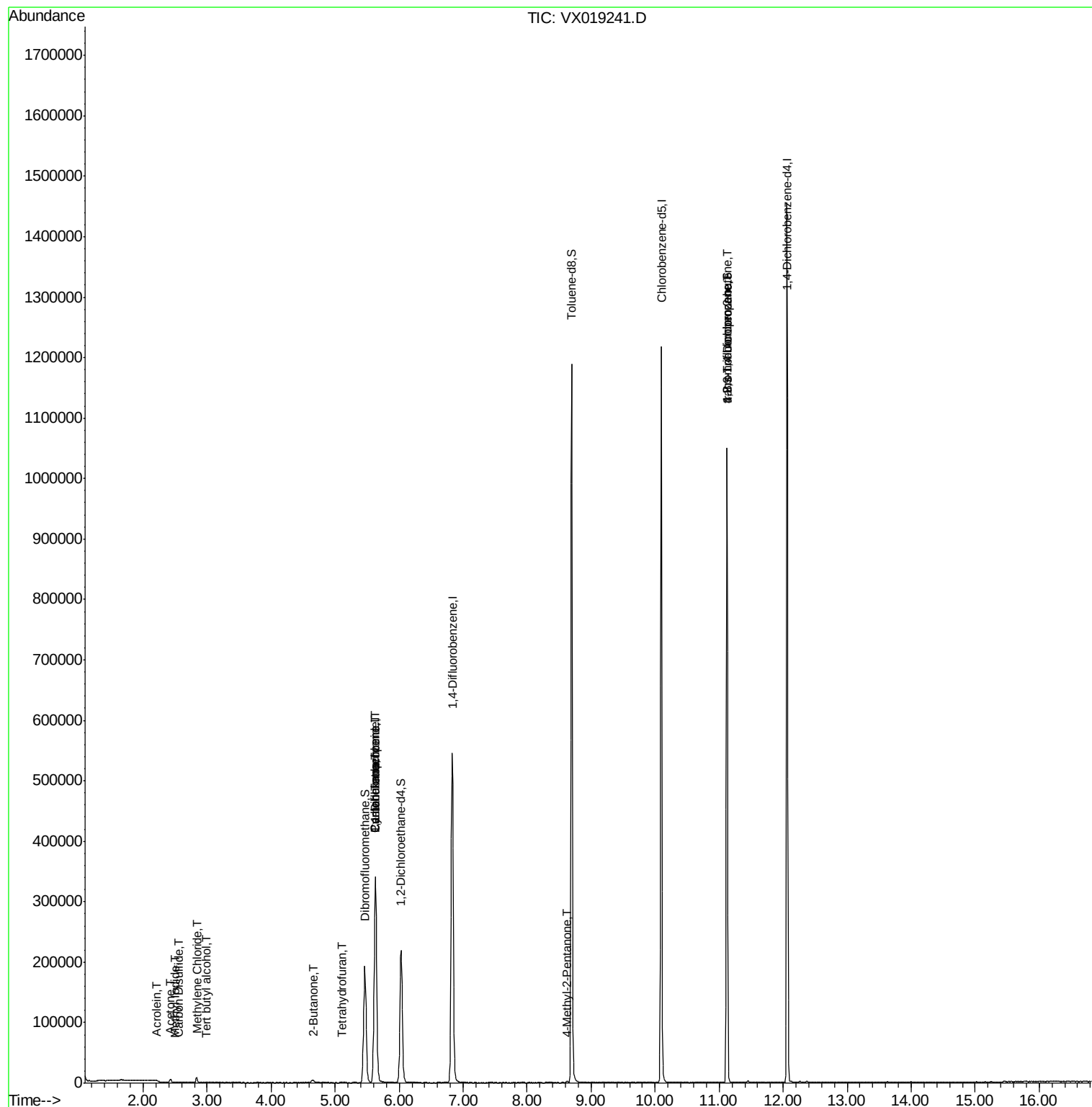
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	261	6.443	ug/l #	76
11) Tert butyl alcohol	2.99	59	338	0.418	ug/l #	72
13) Acrolein	2.21	56	191	6.164	ug/l #	1
16) Acetone	2.43	43	6663	4.715	ug/l	100
17) Carbon Disulfide	2.55	76	800	0.850	ug/l #	76
20) Methylene Chloride	2.84	84	3821	1.077	ug/l	97
25) 2-Butanone	4.66	43	1520	0.683	ug/l #	73
29) Tetrahydrofuran	5.12	42	961	0.685	ug/l #	79
31) Cyclohexane	5.63	56	6653	1.285	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	26601	5.189	ug/l #	49
38) Carbon Tetrachloride	5.63	117	32118	6.147	ug/l #	16
51) 4-Methyl-2-Pentanone	8.62	43	1455	0.318	ug/l	87
76) 1,2,3-Trichloropropane	11.12	75	144979	24.514	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	144979	64.545	ug/l #	12

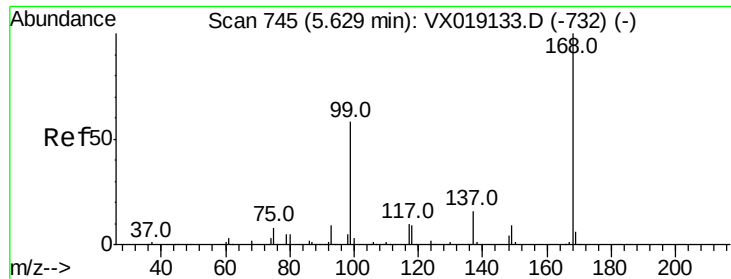
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019241.D

Acq: 03 Nov 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

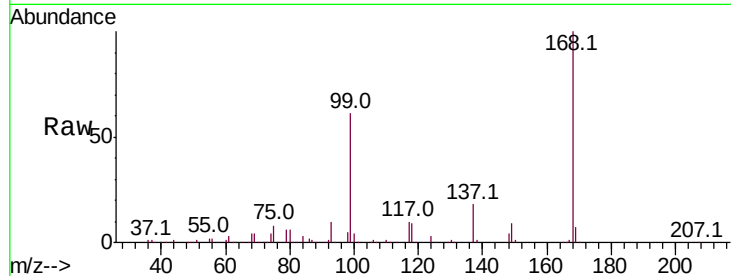
PB132785ZHE#08

Tot Ion:168 Resp: 317620

Ion Ratio Lower Upper

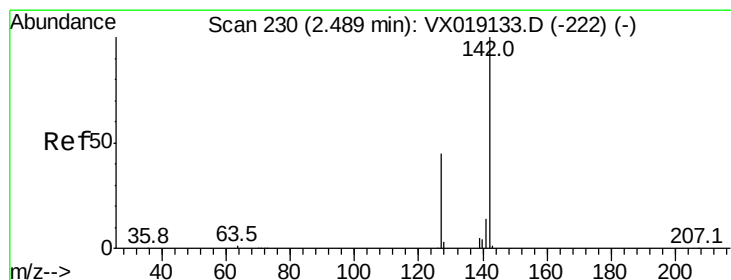
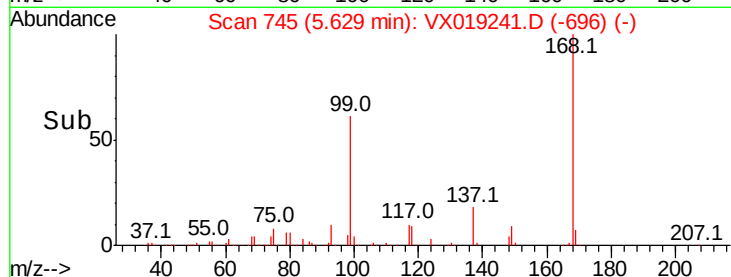
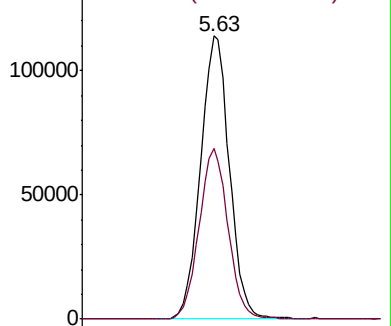
168 100

99 60.5 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 6.443 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX019241.D

Acq: 03 Nov 2020 18:32

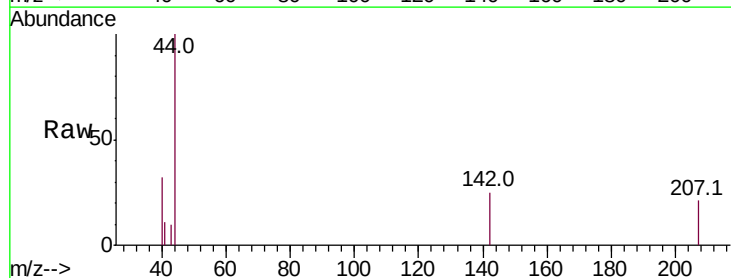
Tgt Ion:142 Resp: 261

Ion Ratio Lower Upper

142 100

127 31.4 36.1 54.1#

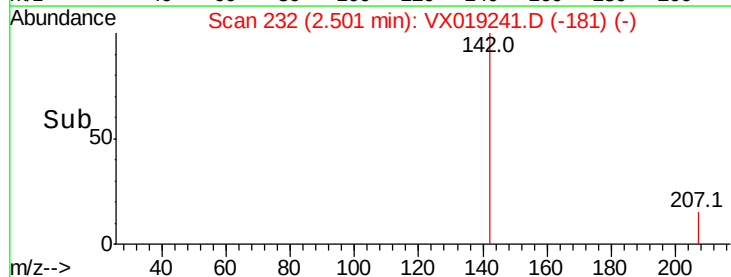
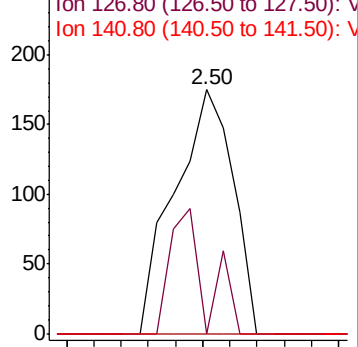
141 0.0 11.3 16.9#

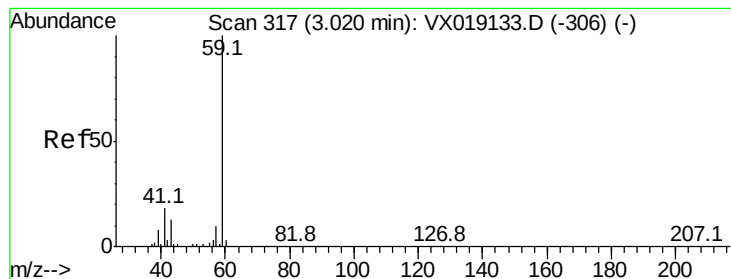


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.418 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.03 min

Lab File: VX019241.D

Acq: 03 Nov 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

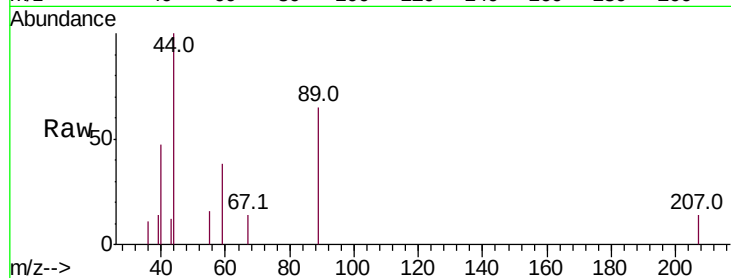
PB132785ZHE#08

Tot Ion: 59 Resp: 338

Ion Ratio Lower Upper

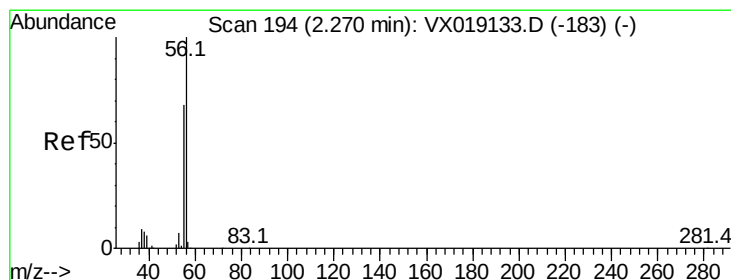
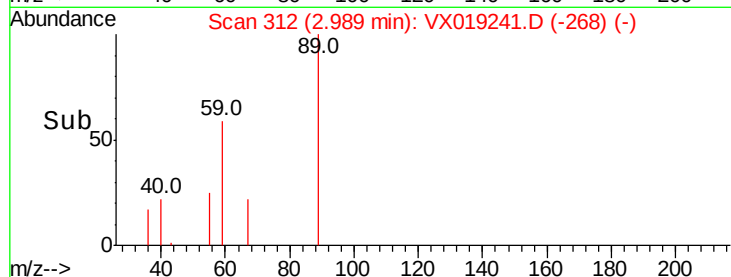
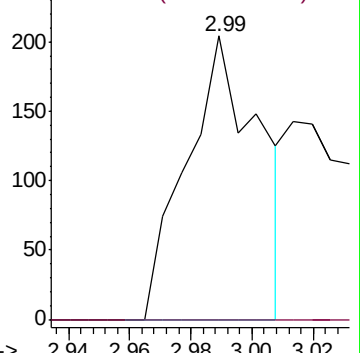
59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#13

Acrolein

Concen: 6.164 ug/l

RT: 2.21 min Scan# 185

Delta R.T. -0.05 min

Lab File: VX019241.D

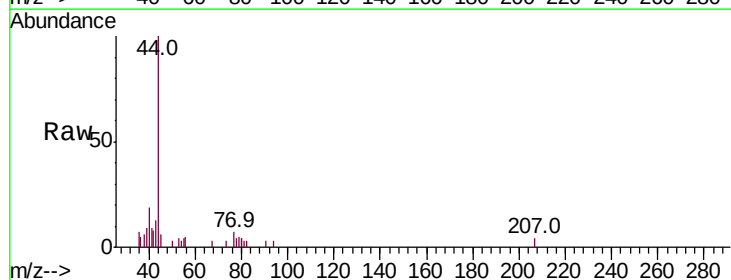
Acq: 03 Nov 2020 18:32

Tgt Ion: 56 Resp: 191

Ion Ratio Lower Upper

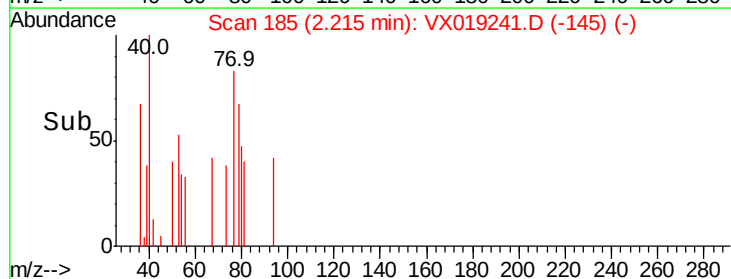
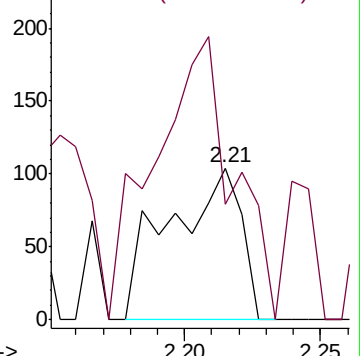
56 100

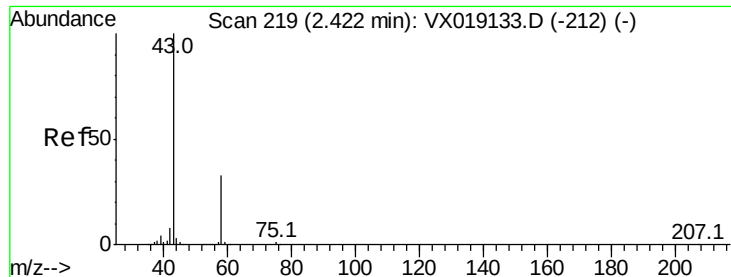
55 204.2 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 4.715 ug/l

RT: 2.43 min Scan# 220

Delta R.T. 0.01 min

Lab File: VX019241.D

Acq: 03 Nov 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

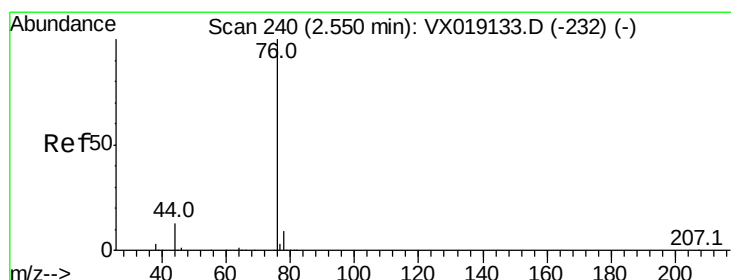
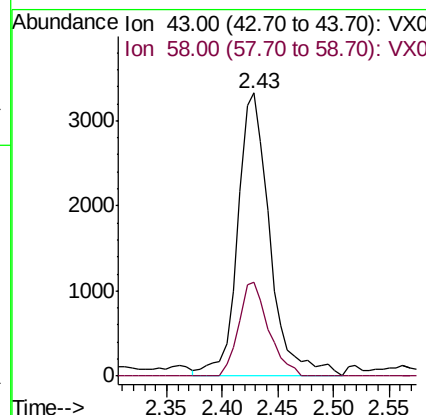
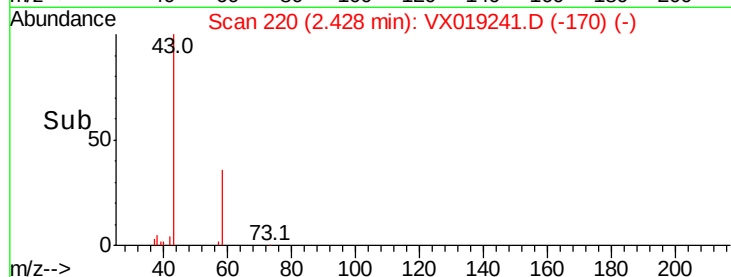
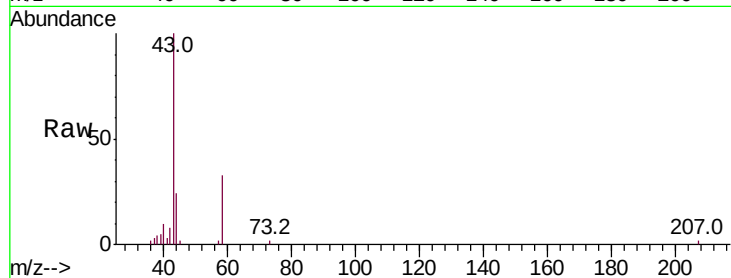
PB132785ZHE#08

Tot Ion: 43 Resp: 6663

Ion Ratio Lower Upper

43 100

58 33.2 26.3 39.5



#17

Carbon Disulfide

Concen: 0.850 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX019241.D

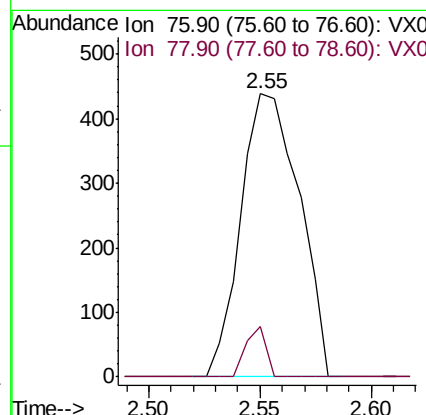
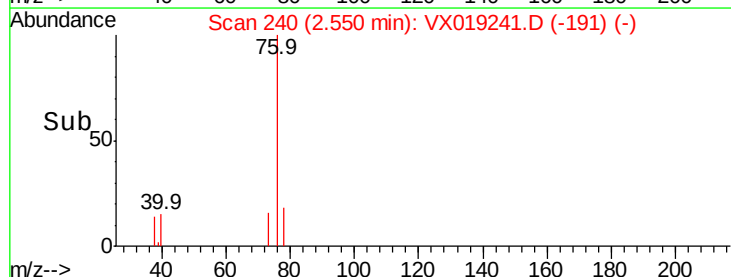
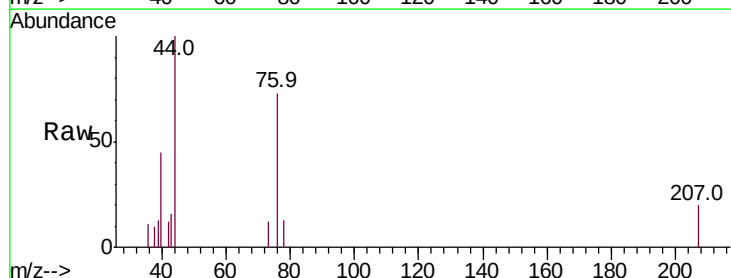
Acq: 03 Nov 2020 18:32

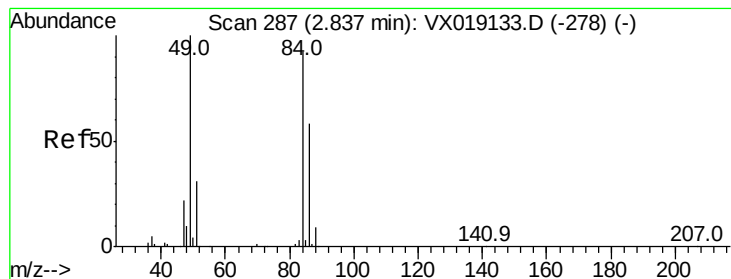
Tgt Ion: 76 Resp: 800

Ion Ratio Lower Upper

76 100

78 17.8 7.3 10.9#





#20

Methvlene Chloride

Concen: 1.077 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX019241.D

Acq: 03 Nov 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

PB132785ZHE#08

Tot Ion: 84 Resp: 3821

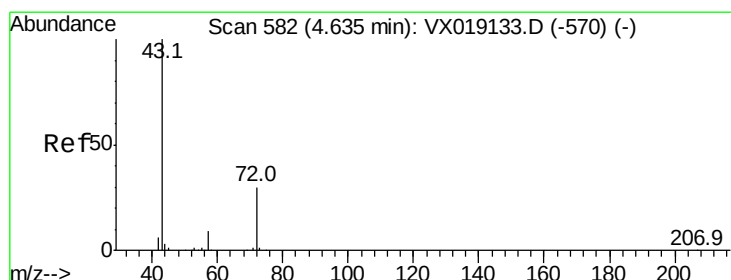
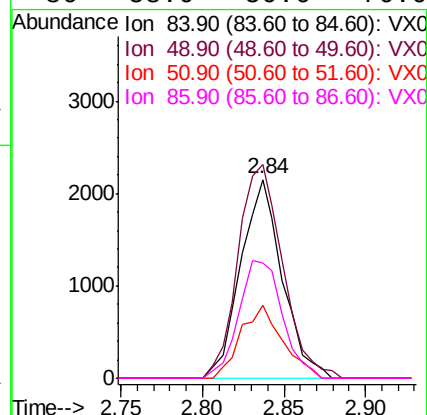
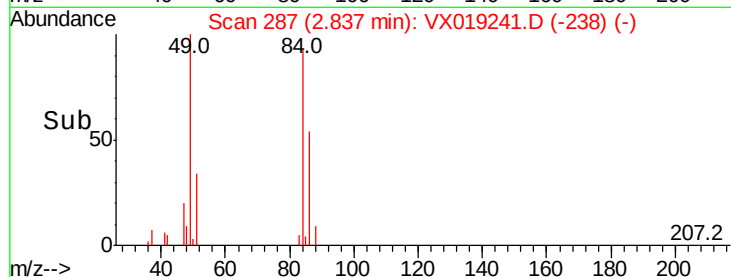
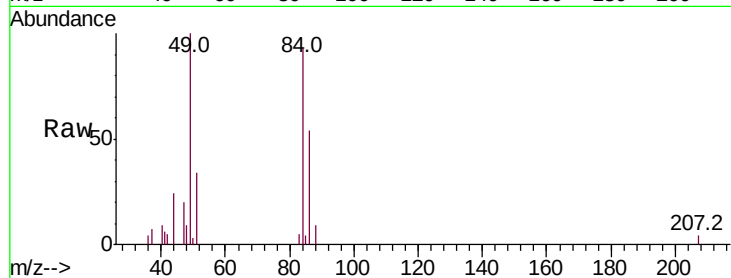
Ion Ratio Lower Upper

84 100

49 107.5 86.8 130.2

51 36.9 27.3 40.9

86 58.0 50.6 76.0



#25

2-Butanone

Concen: 0.683 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX019241.D

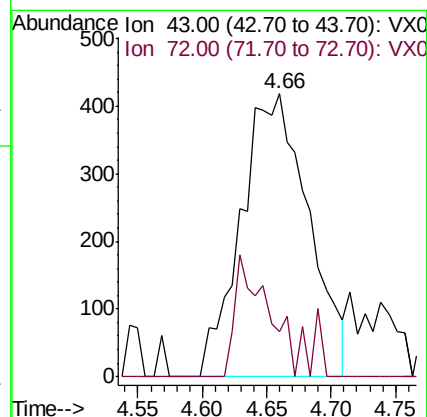
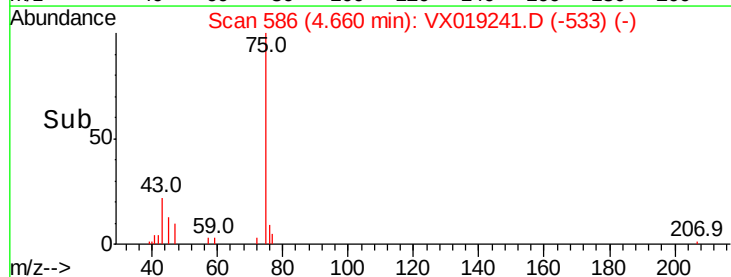
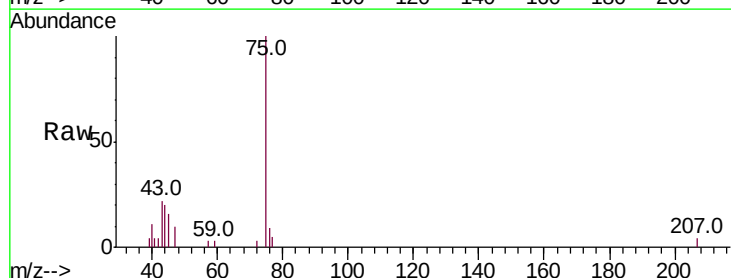
Acq: 03 Nov 2020 18:32

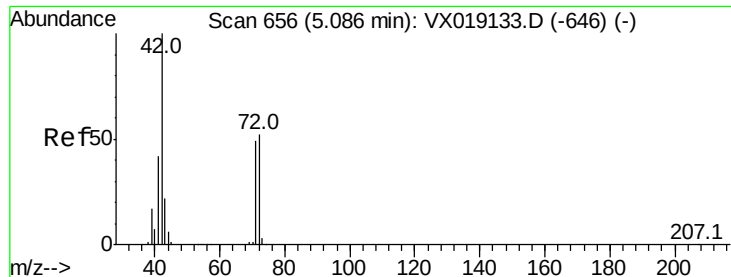
Tgt Ion: 43 Resp: 1520

Ion Ratio Lower Upper

43 100

72 15.8 24.6 36.8#





#29

Tetrahydrofuran

Concen: 0.685 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.03 min

Lab File: VX019241.D

Acq: 03 Nov 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

PB132785ZHE#08

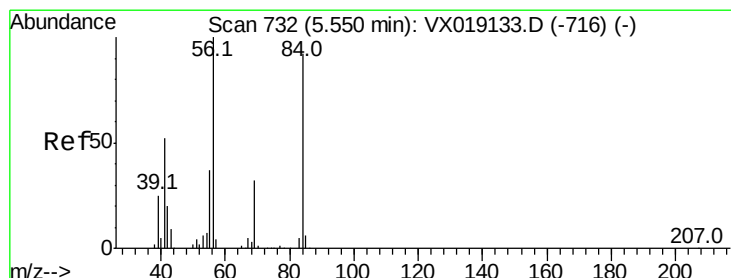
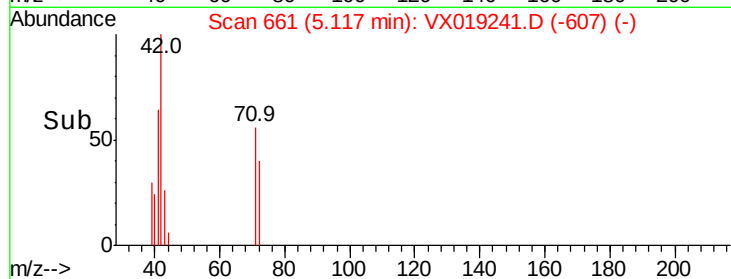
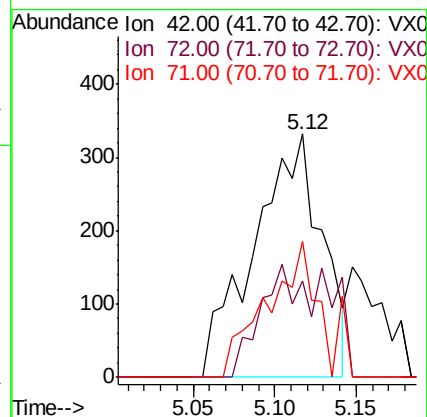
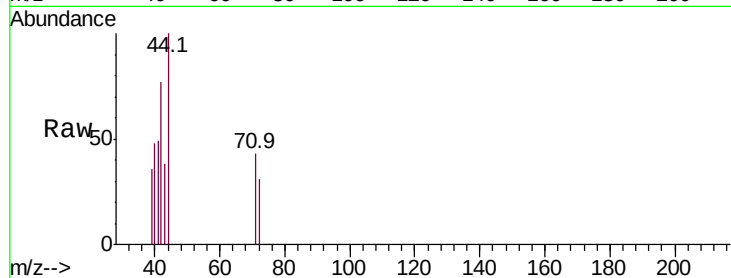
Tot Ion: 42 Resp: 961

Ion Ratio Lower Upper

42 100

72 30.4 42.6 63.8#

71 43.7 39.7 59.5



#31

Cyclohexane

Concen: 1.285 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019241.D

Acq: 03 Nov 2020 18:32

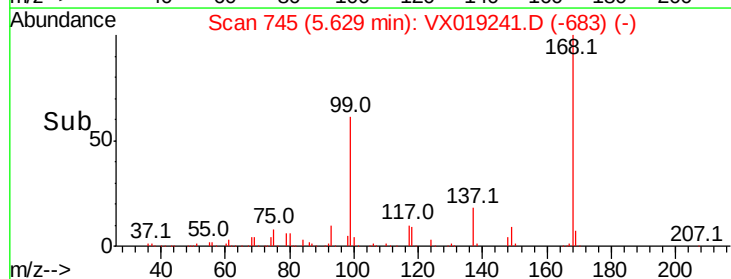
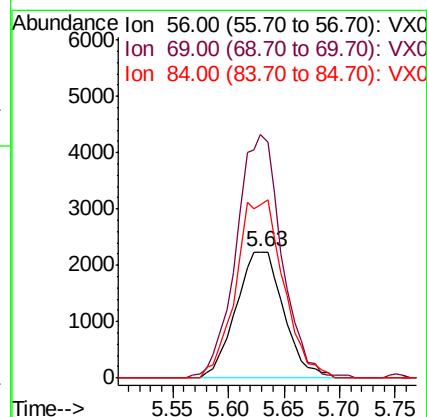
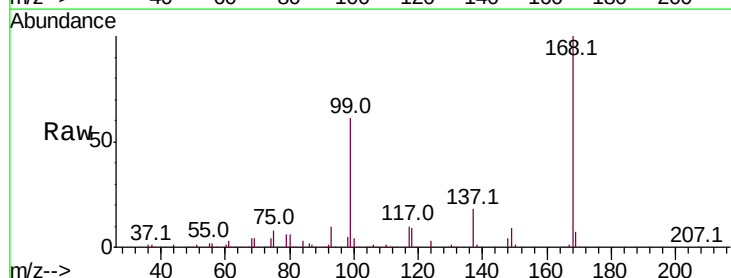
Tgt Ion: 56 Resp: 6653

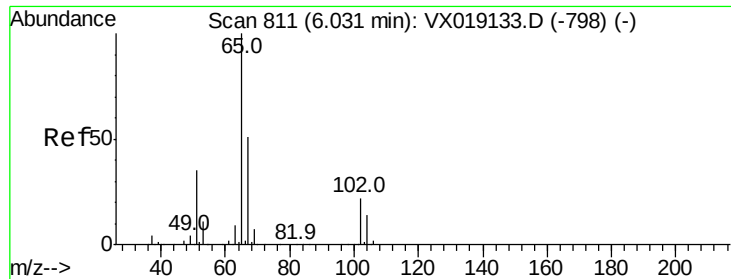
Ion Ratio Lower Upper

56 100

69 190.4 25.9 38.9#

84 137.6 73.4 110.2#

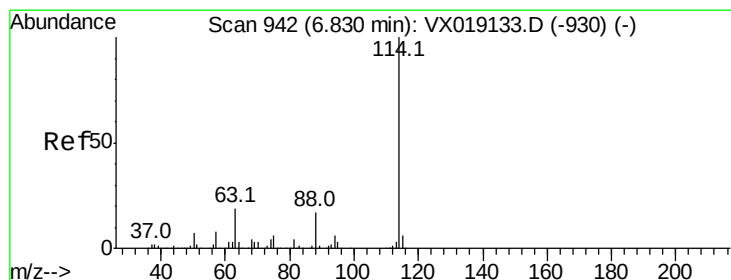
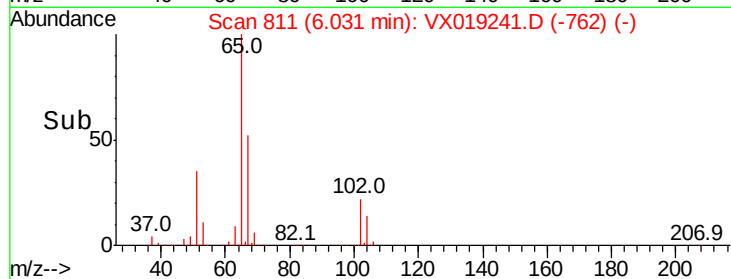
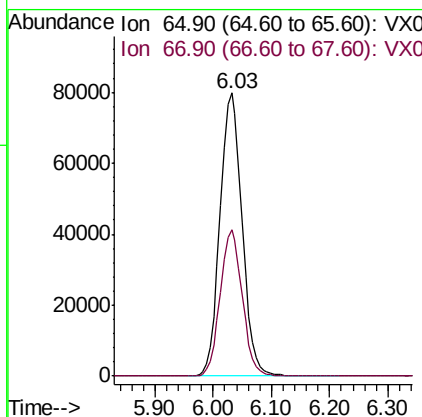
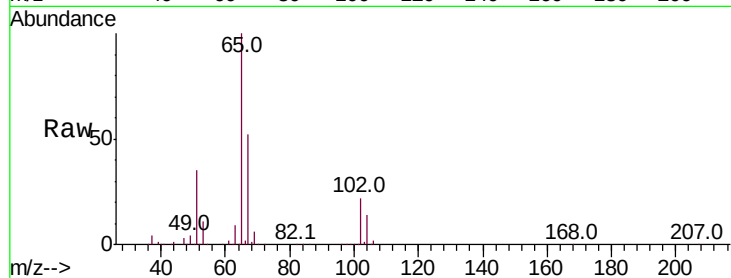




#33
 1,2-Dichloroethane-d4
 Concen: 51.438 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019241.D
 Acq: 03 Nov 2020 18:32

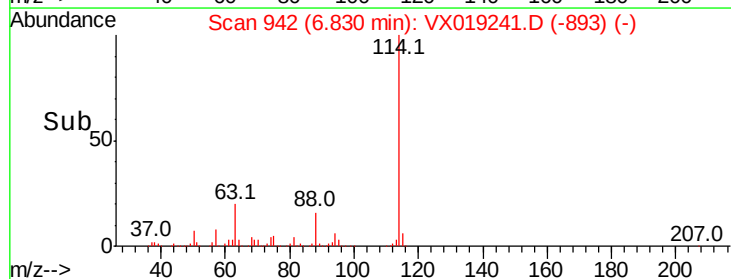
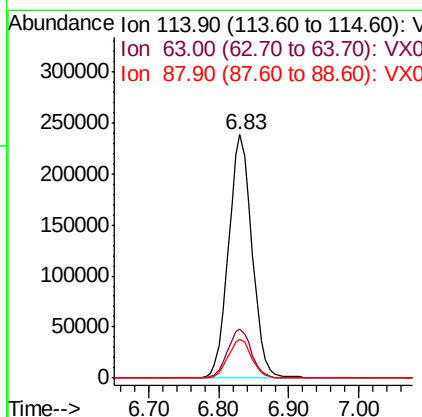
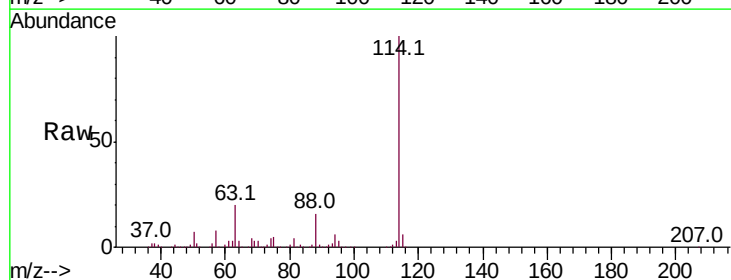
Instrument :
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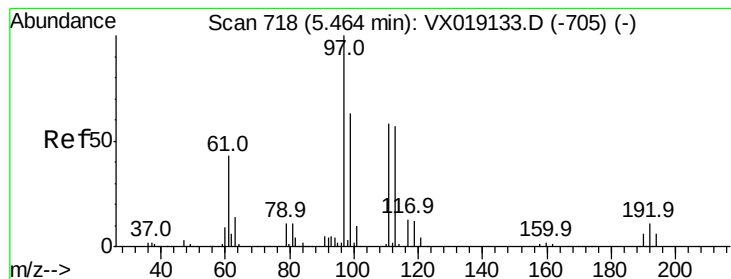
Tot Ion: 65 Resp: 210695
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019241.D
 Acq: 03 Nov 2020 18:32

Tgt Ion: 114 Resp: 555105
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 38.8
 88 15.9 0.0 34.2





#35

Dibromofluoromethane

Concen: 48.029 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019241.D

Acq: 03 Nov 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

PB132785ZHE#08

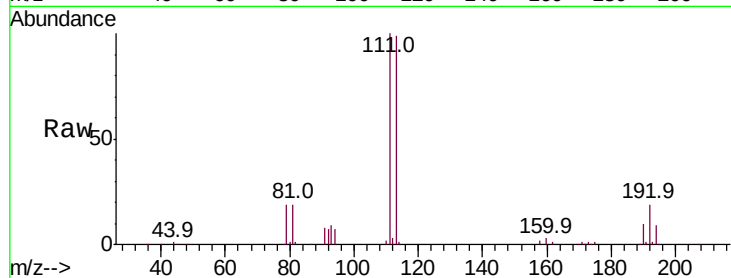
Tot Ion:113 Resp: 167468

Ion Ratio Lower Upper

113 100

111 102.5 82.3 123.5

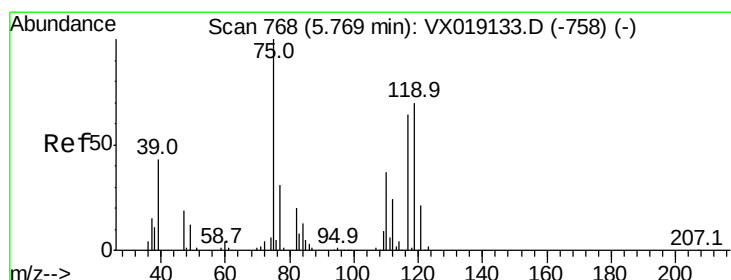
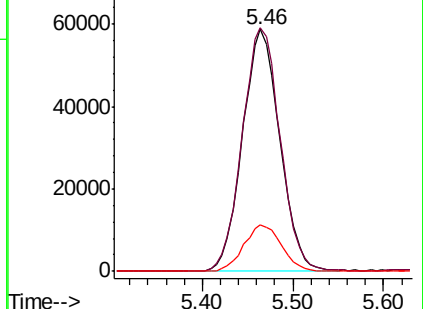
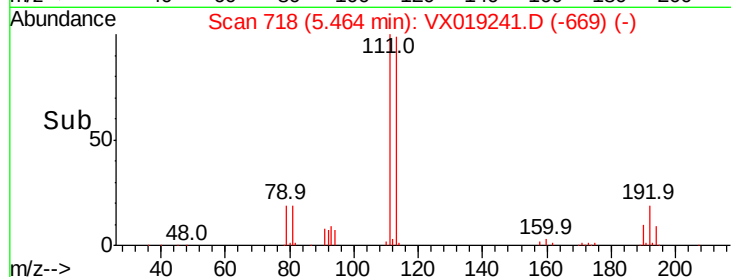
192 19.4 16.2 24.2



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: 5.189 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019241.D

Acq: 03 Nov 2020 18:32

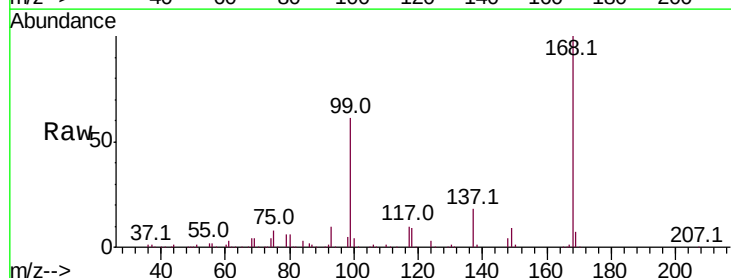
Tgt Ion: 75 Resp: 26601

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.9#

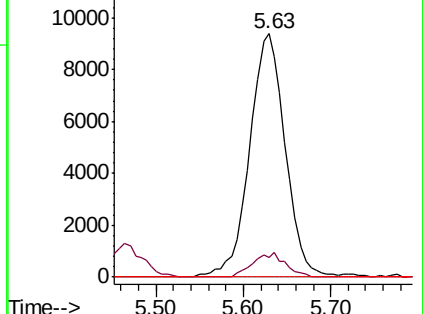
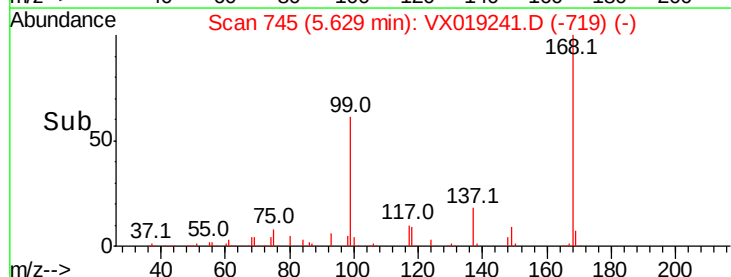
77 0.0 24.9 37.3#

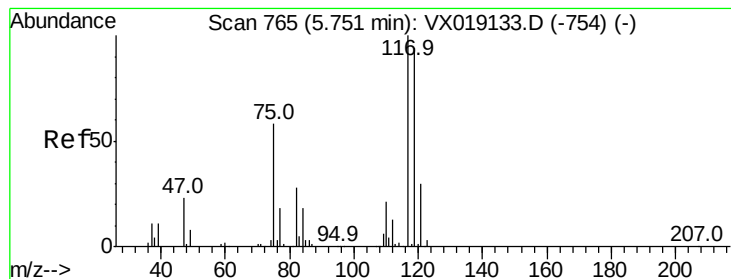


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.147 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019241.D

Acq: 03 Nov 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

PB132785ZHE#08

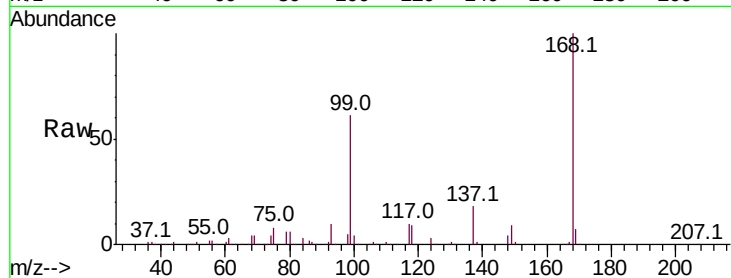
Tot Ion:117 Resp: 32118

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

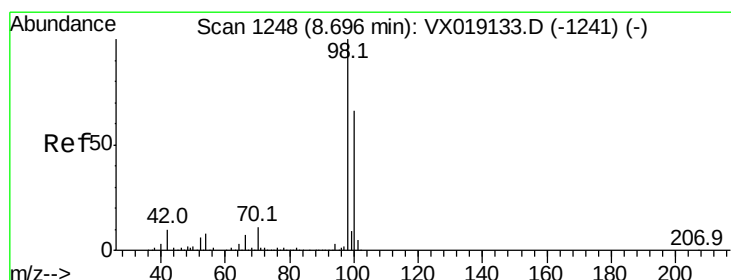
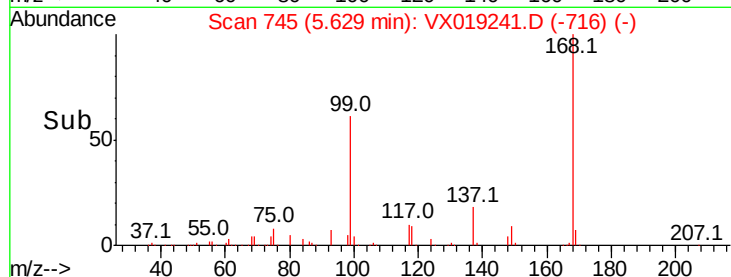
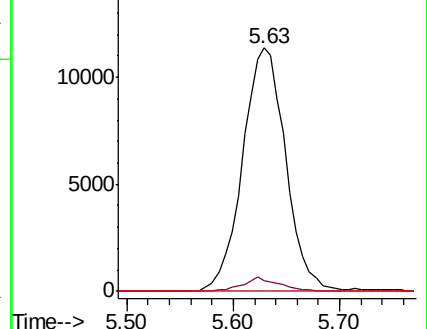
121 0.0 23.9 35.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 53.487 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019241.D

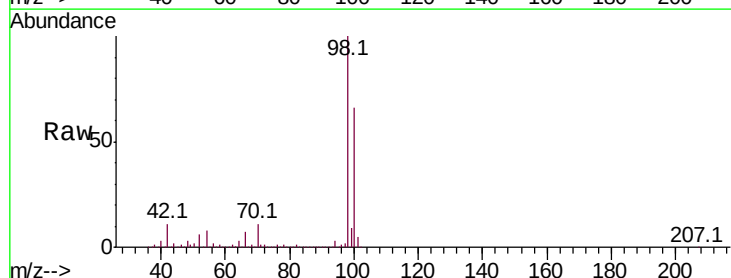
Acq: 03 Nov 2020 18:32

Tgt Ion: 98 Resp: 703043

Ion Ratio Lower Upper

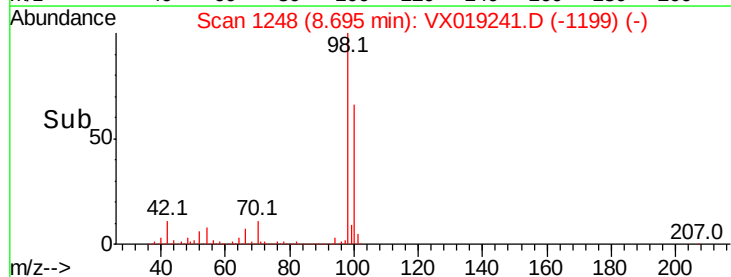
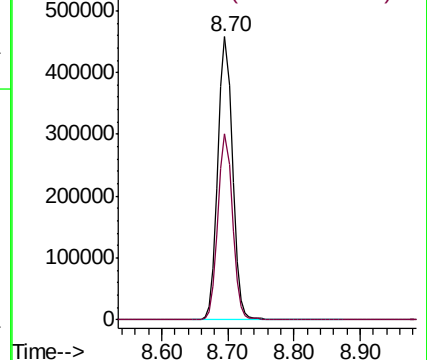
98 100

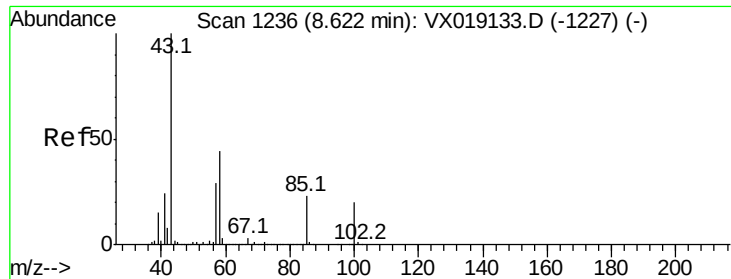
100 65.5 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

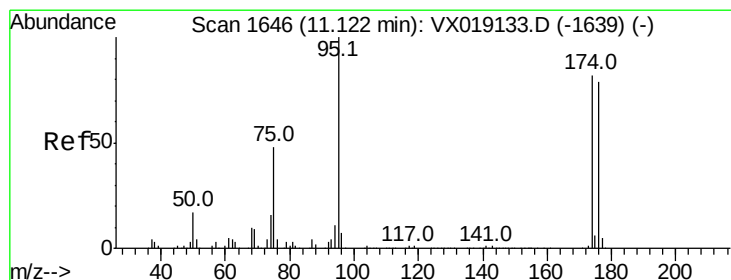
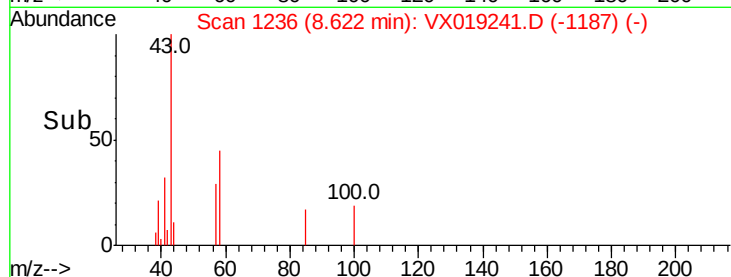
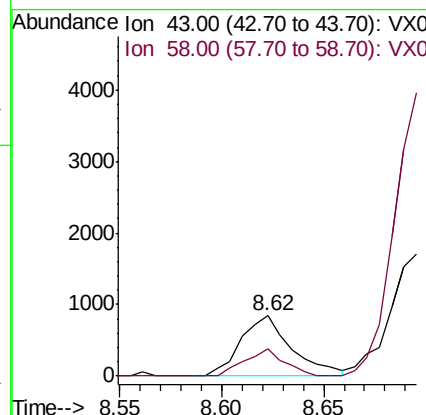
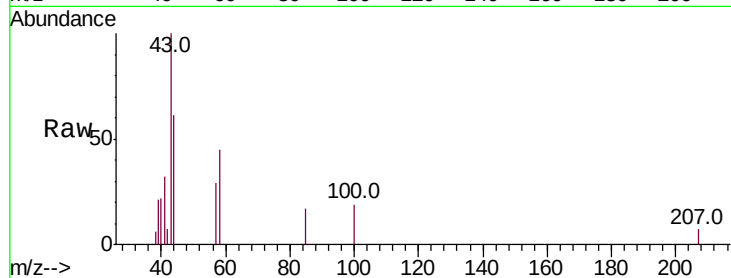




#51
 4-Methyl-2-Pentanone
 Concen: 0.318 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX019241.D
 Acq: 03 Nov 2020 18:32

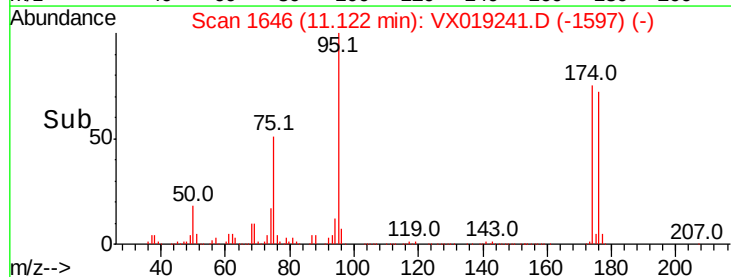
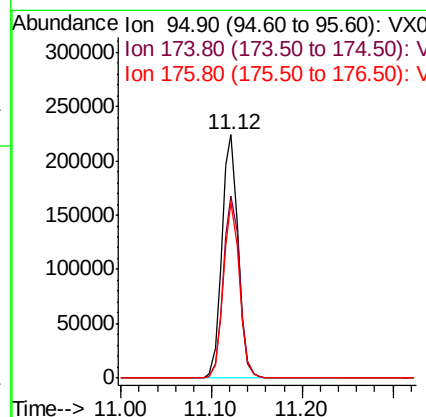
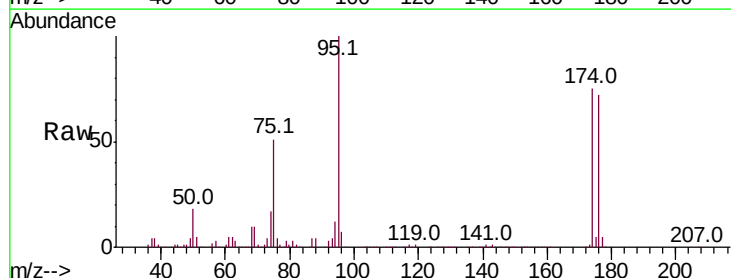
Instrument :
 MSVOA_X
 ClientSampleId :
 PB132785ZHE#08

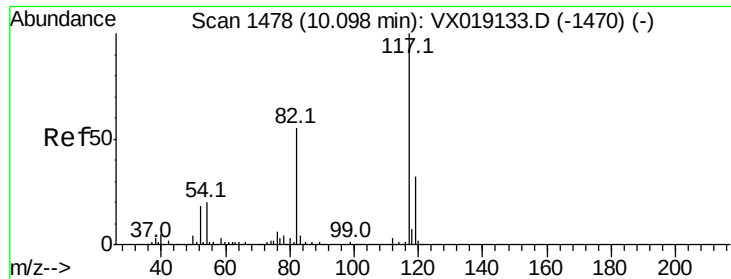
Tot Ion: 43 Resp: 1455
 Ion Ratio Lower Upper
 43 100
 58 35.4 35.0 52.4



#62
 4-Bromofluorobenzene
 Concen: 56.609 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX019241.D
 Acq: 03 Nov 2020 18:32

Tgt Ion: 95 Resp: 281783
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 156.0
 176 71.6 0.0 149.8

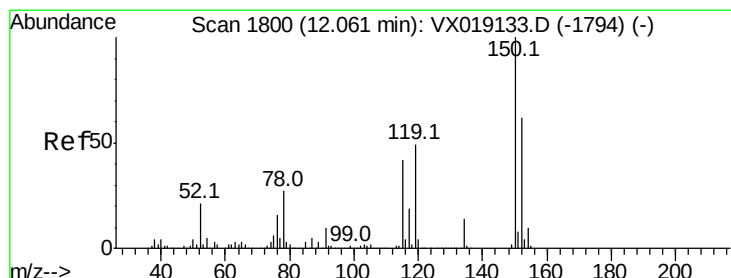
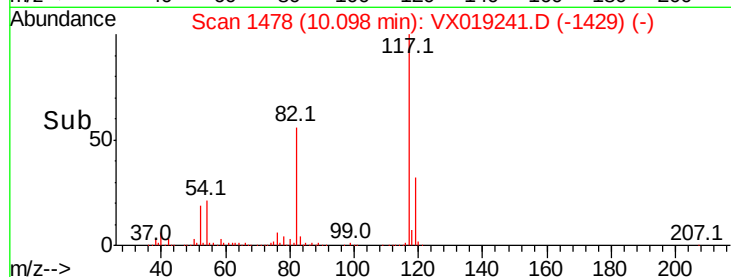
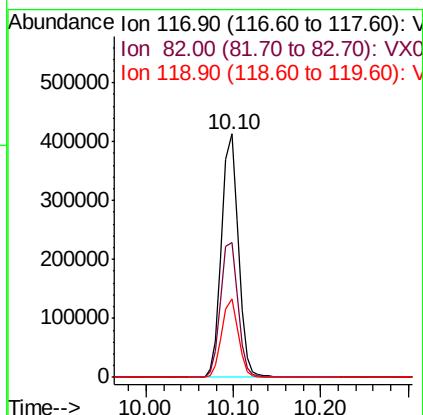
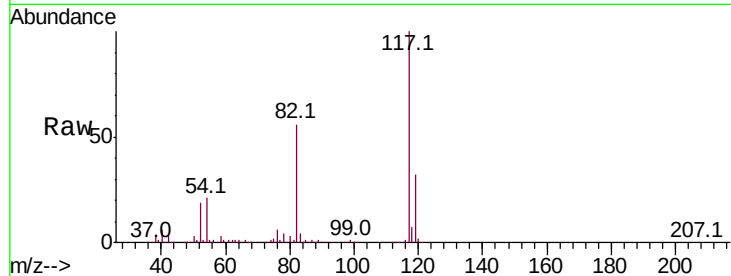




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019241.D
Acq: 03 Nov 2020 18:32

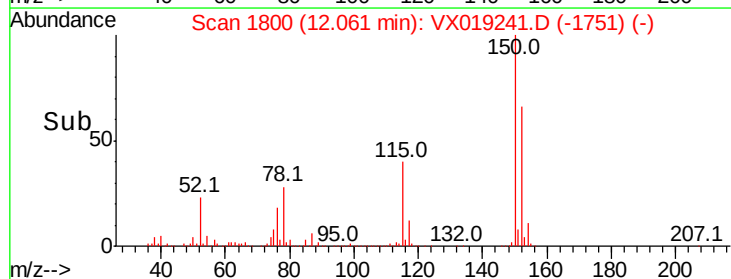
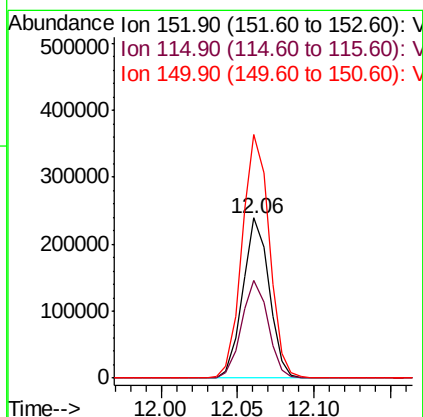
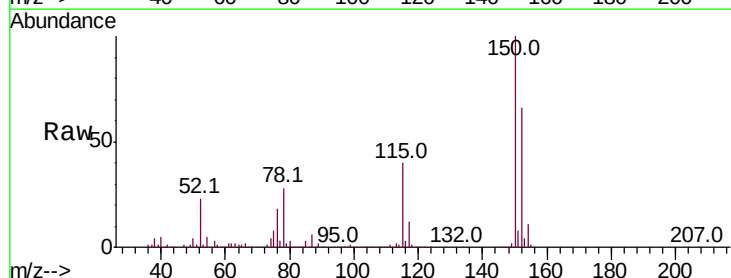
Instrument :
MSVOA_X
ClientSampleId :
PB132785ZHE#08

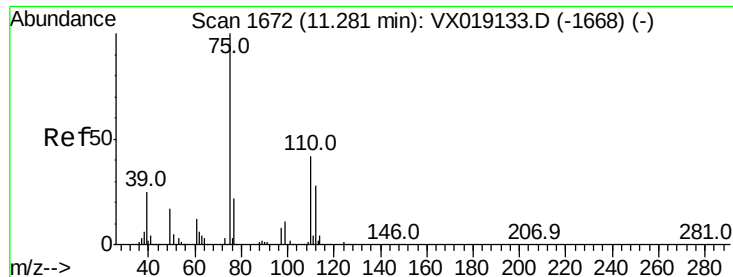
Tot Ion:117 Resp: 548205
Ion Ratio Lower Upper
117 100
82 55.6 43.6 65.4
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019241.D
Acq: 03 Nov 2020 18:32

Tgt Ion:152 Resp: 286429
Ion Ratio Lower Upper
152 100
115 61.5 41.9 125.7
150 156.6 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 24.514 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019241.D

Acq: 03 Nov 2020 18:32

Instrument :

MSVOA_X

ClientSampleId :

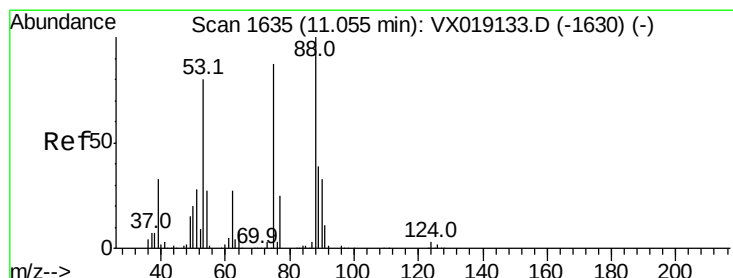
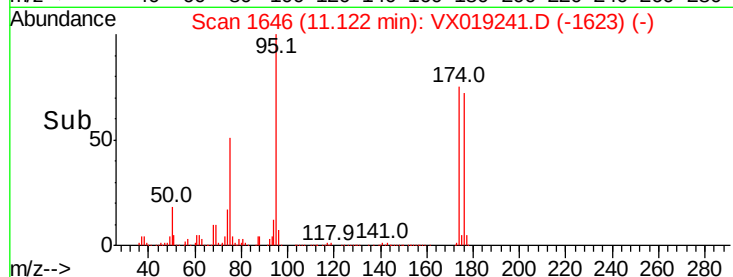
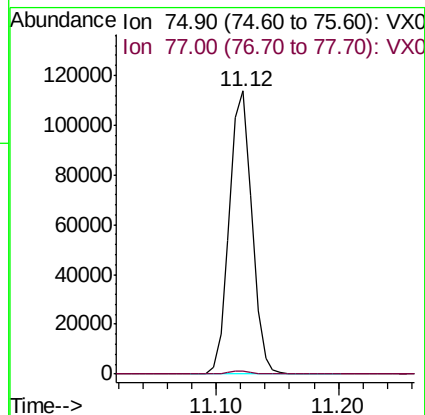
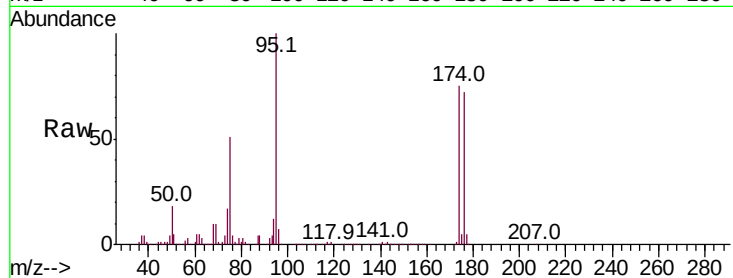
PB132785ZHE#08

Tot Ion: 75 Resp: 144979

Ion Ratio Lower Upper

75 100

77 1.1 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.545 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019241.D

Acq: 03 Nov 2020 18:32

Tgt Ion: 75 Resp: 144979

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#

