

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063393.D
 Acq On : 17 Sep 2020 3:27
 Operator : JC/MD
 Sample : PB131646ZHE#20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131646ZHE#20

Quant Time: Sep 17 05:13:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	239544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	445332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	440929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186859	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	194888	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
35) Dibromofluoromethane	7.55	113	141497	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	
50) Toluene-d8	10.06	98	572764	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.38	95	229049	53.90	ug/l	0.00
Spiked Amount			Recovery	=	107.80%	

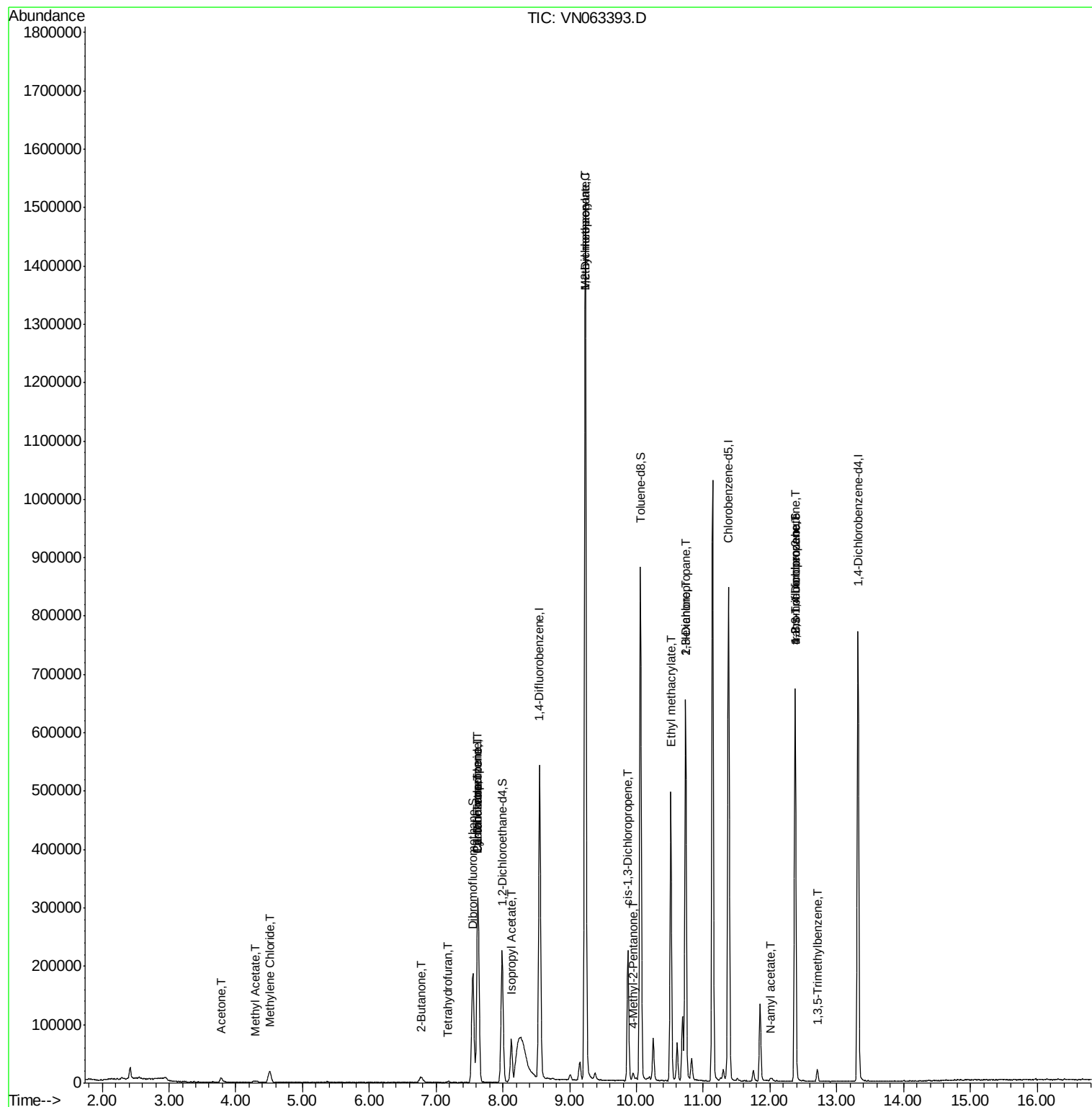
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	12260	9.355	ug/l	99
18) Methyl Acetate	4.28	43	3231	0.971	ug/l	92
20) Methylene Chloride	4.51	84	13641	4.108	ug/l	85
25) 2-Butanone	6.79	43	2546	1.263	ug/l #	86
29) Tetrahydrofuran	7.18	42	1753	1.273	ug/l #	52
31) Cyclohexane	7.62	56	6962	1.236	ug/l #	38
36) 1,1-Dichloropropene	7.62	75	22656	4.775	ug/l #	49
38) Carbon Tetrachloride	7.62	117	25893	5.346	ug/l #	16
43) Isopropyl Acetate	8.13	43	87216	10.475	ug/l	97
45) 1,2-Dichloropropane	9.23	63	1957	0.531	ug/l #	43
48) Methyl methacrylate	9.24	41	148581	36.322	ug/l #	49
51) 4-Methyl-2-Pentanone	9.95	43	10838	2.325	ug/l	96
54) cis-1,3-Dichloropropene	9.87	75	36749	6.196	ug/l #	63
56) Ethyl methacrylate	10.51	69	1755	0.348	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	6539	1.121	ug/l #	42
59) 2-Hexanone	10.74	43	102522	30.359	ug/l #	53
74) N-amyl acetate	12.01	43	3255	0.459	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	127907	27.655	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	10090	0.808	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	127907	75.821	ug/l #	7

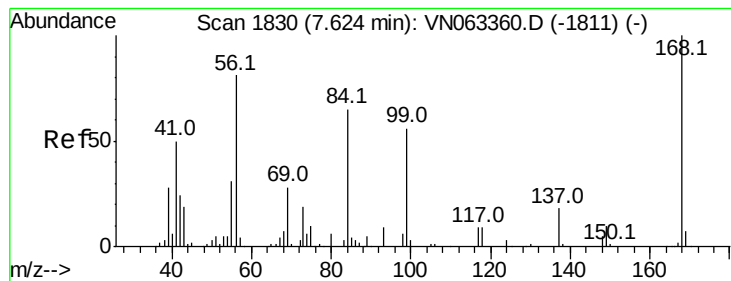
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063393.D

Acq: 17 Sep 2020 3:27

Instrument :

MSVOA_N

ClientSampleId :

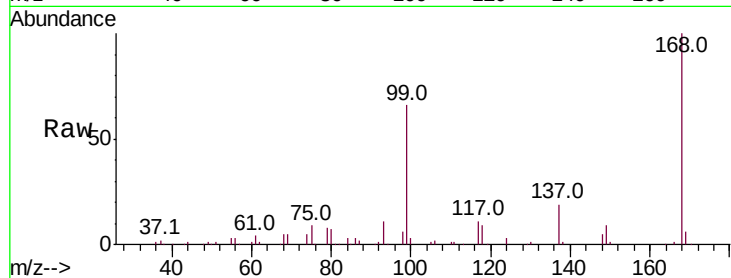
PB131646ZHE#20

Tot Ion:168 Resp: 239544

Ion Ratio Lower Upper

168 100

99 66.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): VN063393.D (-1737) (-)

Ion 98.90 (98.60 to 99.60): VN063393.D (-1737) (-)

7.63

100000

80000

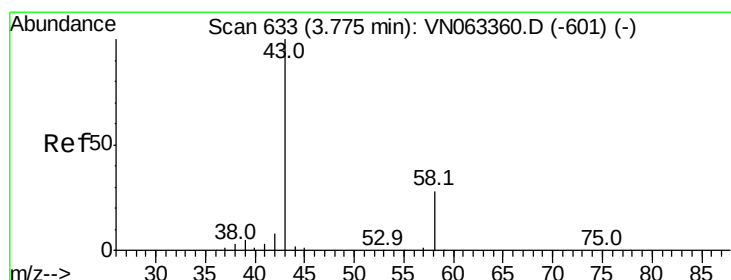
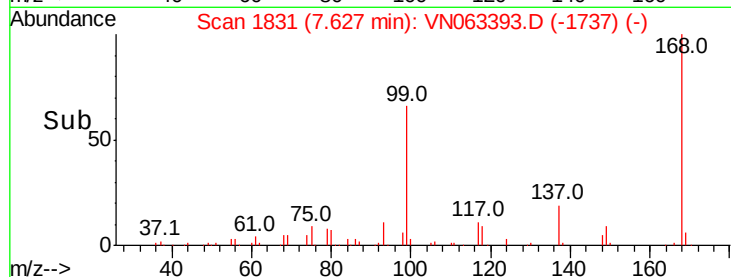
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 9.355 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063393.D

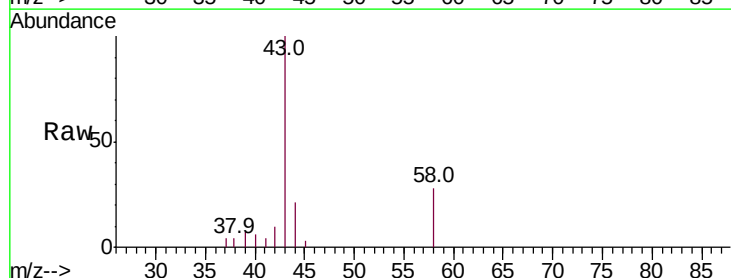
Acq: 17 Sep 2020 3:27

Tgt Ion: 43 Resp: 12260

Ion Ratio Lower Upper

43 100

58 28.6 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN063393.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN063393.D (-540) (-)

3.78

6000

5000

4000

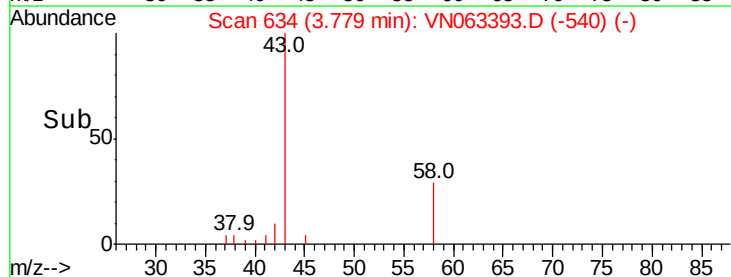
3000

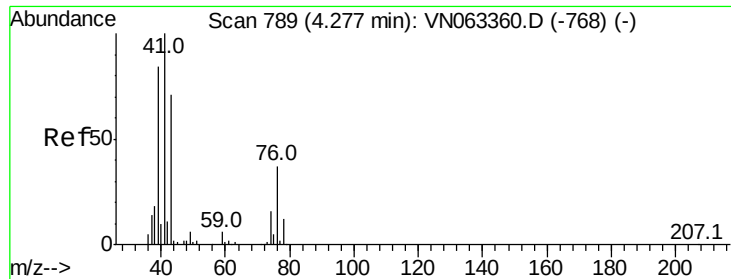
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1000

0

Time-->

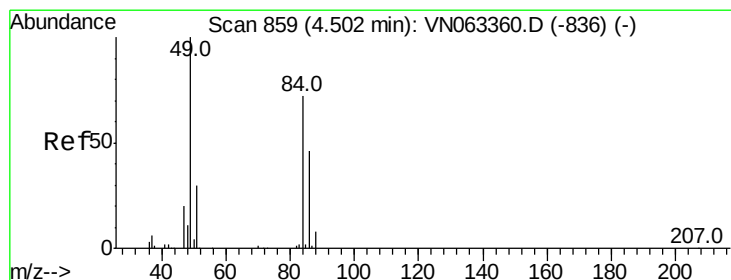
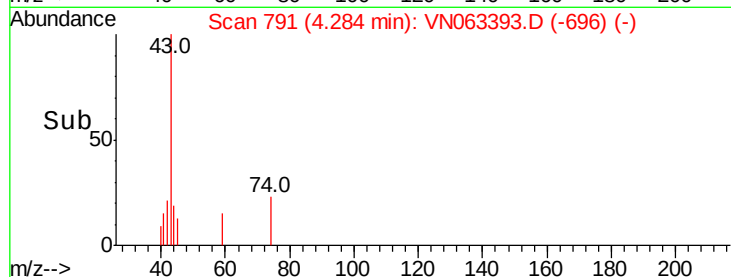
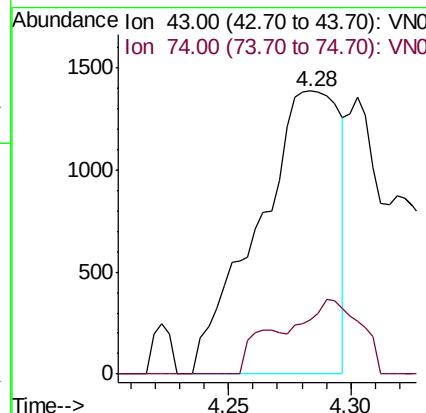
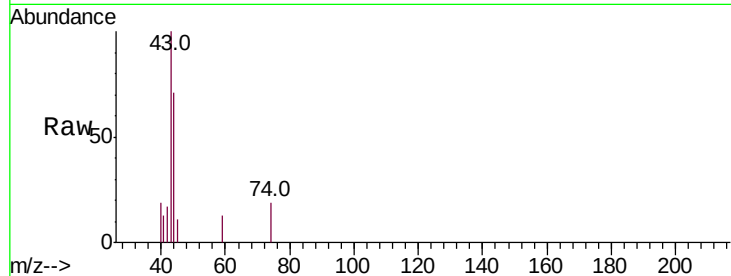




#18
Methvl Acetate
Concen: 0.971 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN063393.D
Acq: 17 Sep 2020 3:27

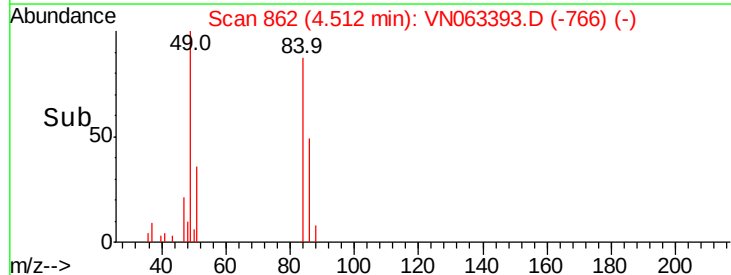
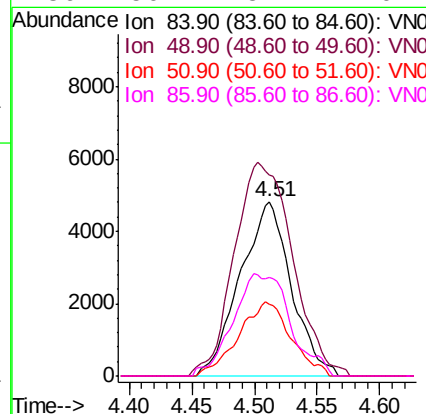
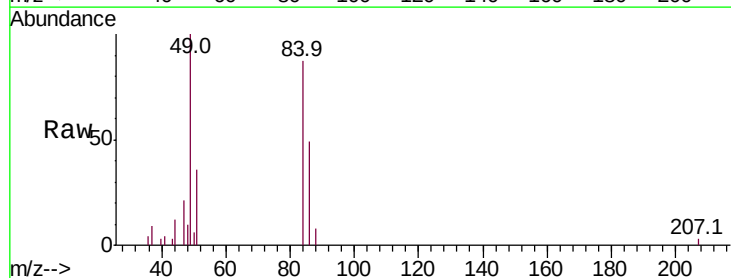
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#20

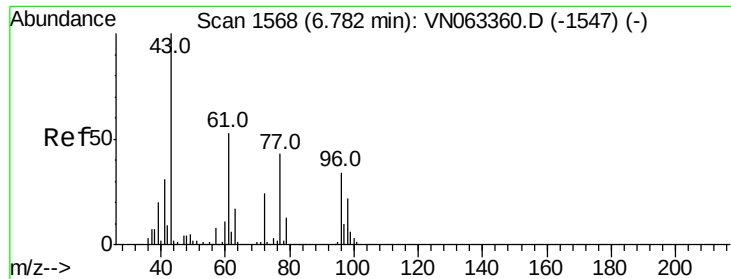
Tot Ion: 43 Resp: 3231
Ion Ratio Lower Upper
43 100
74 18.2 17.4 26.2



#20
Methylene Chloride
Concen: 4.108 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN063393.D
Acq: 17 Sep 2020 3:27

Tgt Ion: 84 Resp: 13641
Ion Ratio Lower Upper
84 100
49 112.0 110.7 166.1
51 41.0 32.9 49.3
86 56.2 51.1 76.7





#25

2-Butanone

Concen: 1.263 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN063393.D

Acq: 17 Sep 2020 3:27

Instrument :

MSVOA_N

ClientSampleId :

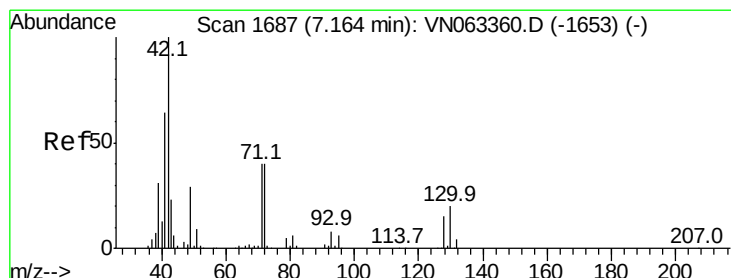
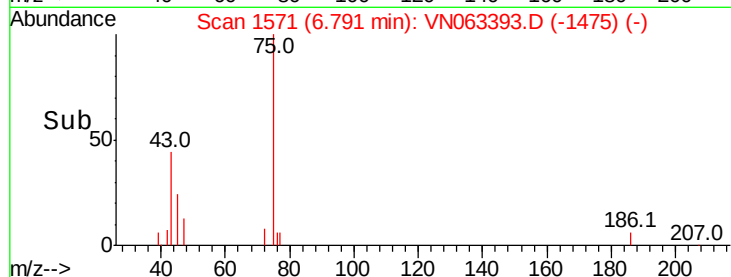
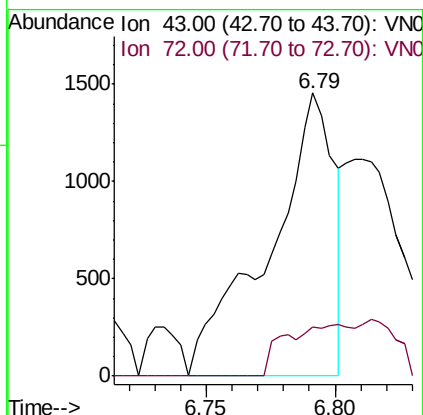
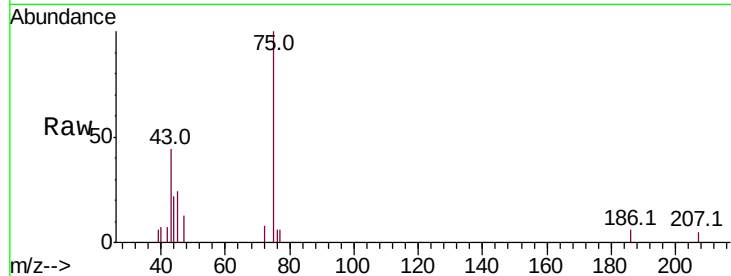
PB131646ZHE#20

Tot Ion: 43 Resp: 2546

Ion Ratio Lower Upper

43 100

72 17.3 19.2 28.8#



#29

Tetrahydrofuran

Concen: 1.273 ug/l

RT: 7.18 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VN063393.D

Acq: 17 Sep 2020 3:27

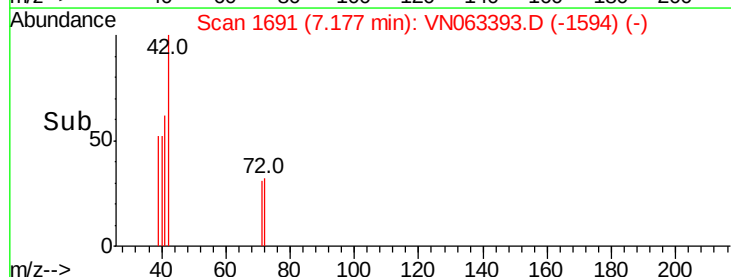
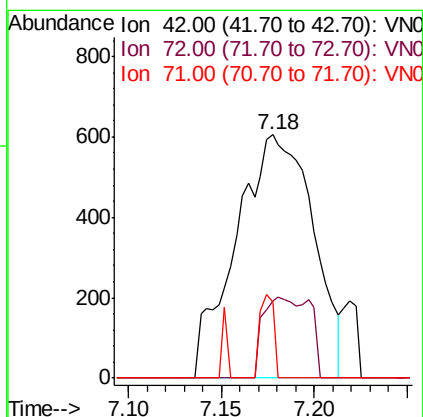
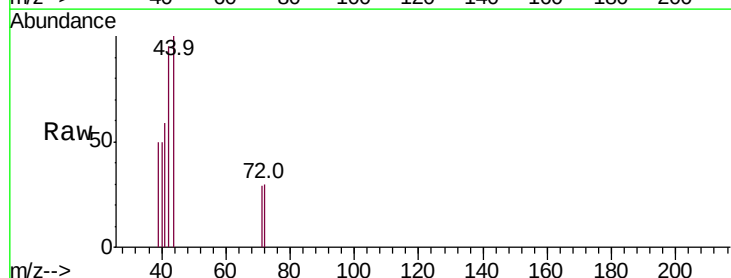
Tgt Ion: 42 Resp: 1753

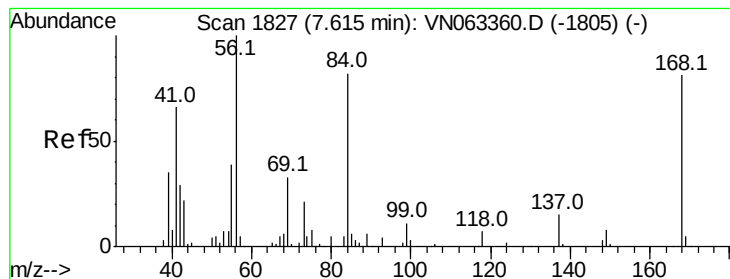
Ion Ratio Lower Upper

42 100

72 14.0 32.1 48.1#

71 6.2 31.2 46.8#





#31

Cyclohexane

Concen: 1.236 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063393.D

Acq: 17 Sep 2020 3:27

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#20

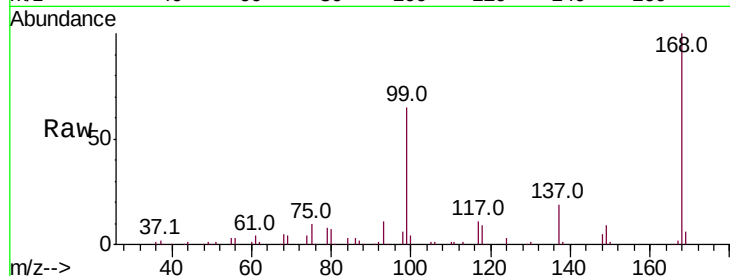
Tot Ion: 56 Resp: 6962

Ion Ratio Lower Upper

56 100

69 141.1 26.1 39.1#

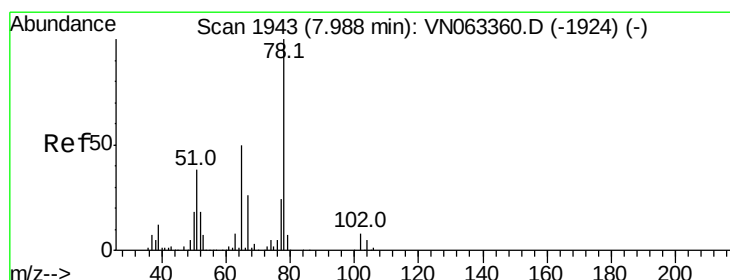
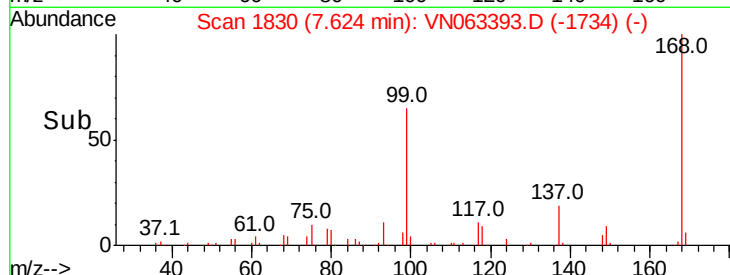
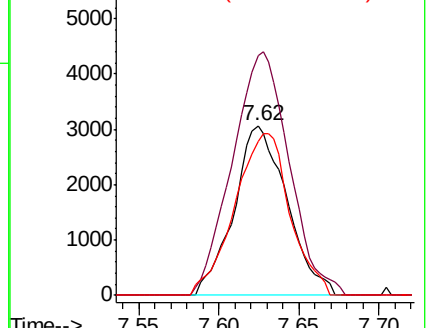
84 90.9 65.4 98.2



Abundance Ion 56.00 (55.70 to 56.70): VN063360.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN063360.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN063360.D (-1805) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.794 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063393.D

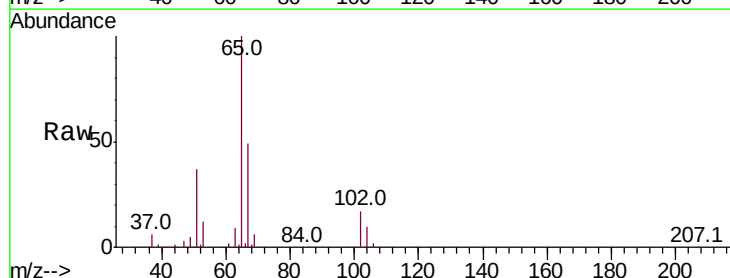
Acq: 17 Sep 2020 3:27

Tgt Ion: 65 Resp: 194888

Ion Ratio Lower Upper

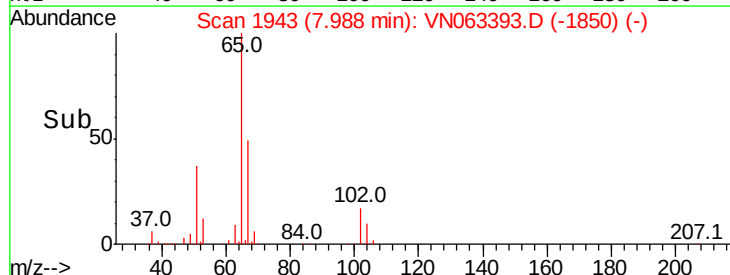
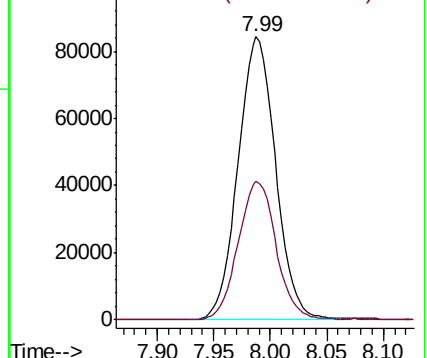
65 100

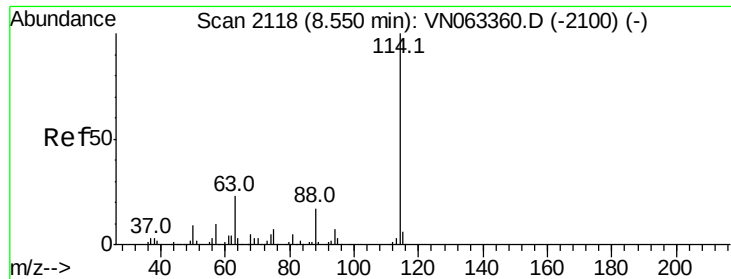
67 49.7 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)

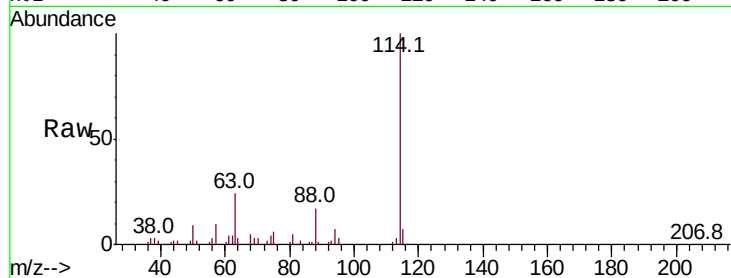




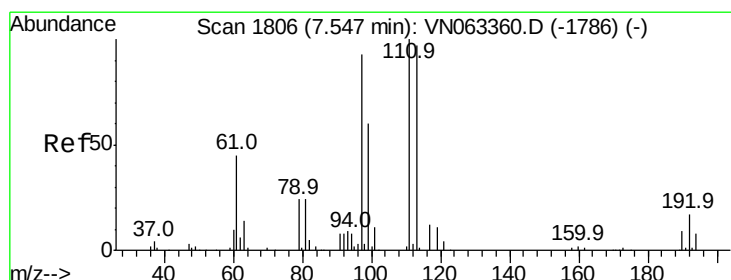
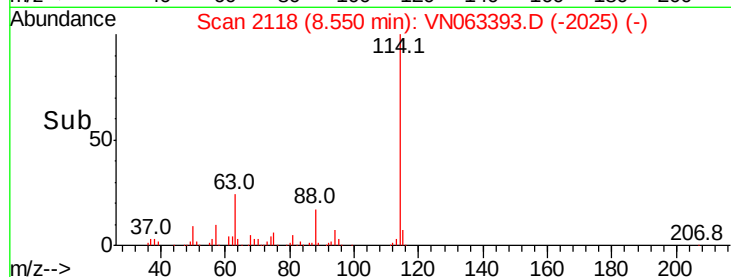
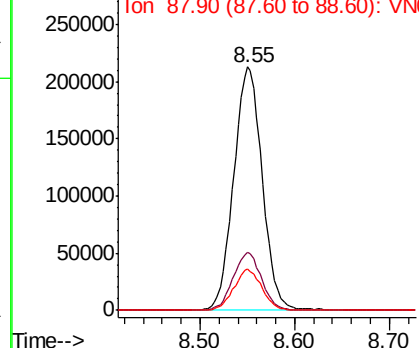
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063393.D
Acq: 17 Sep 2020 3:27

Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#20

Tot Ion:114 Resp: 445332
Ion Ratio Lower Upper
114 100
63 23.8 0.0 46.4
88 17.0 0.0 33.2

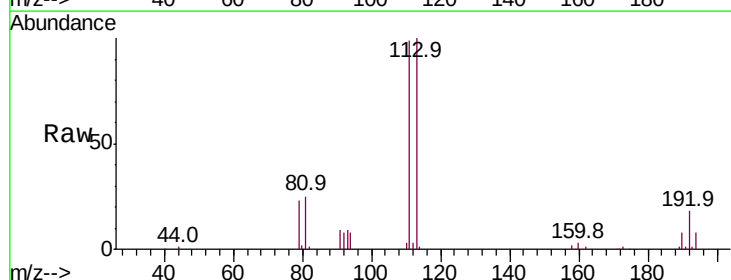


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

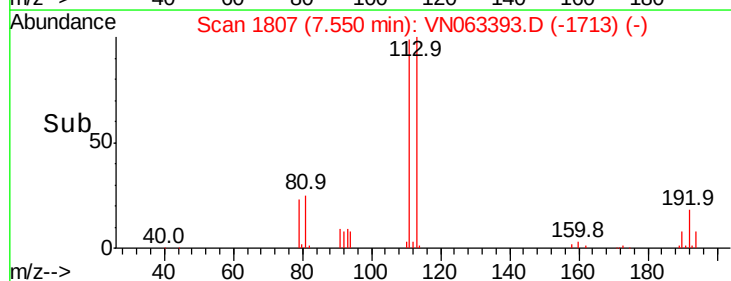
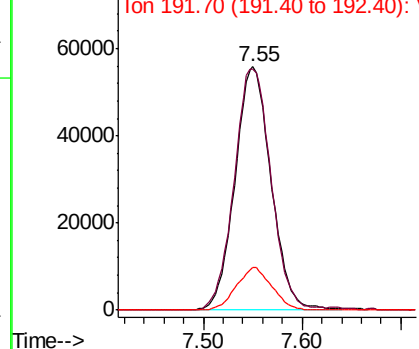


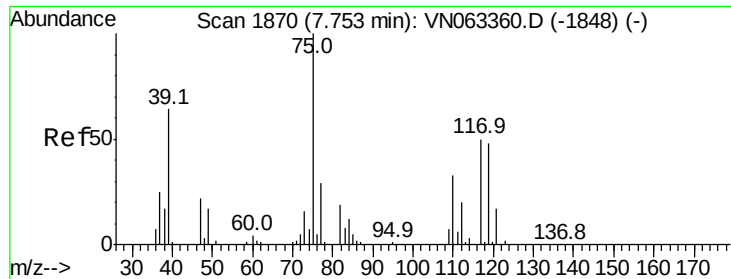
#35
Dibromofluoromethane
Concen: 45.897 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063393.D
Acq: 17 Sep 2020 3:27

Tgt Ion:113 Resp: 141497
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 17.4 13.9 20.9



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

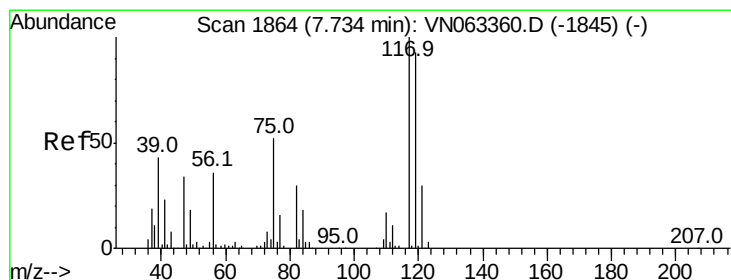
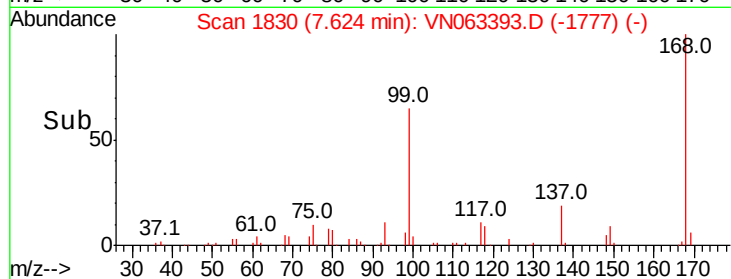
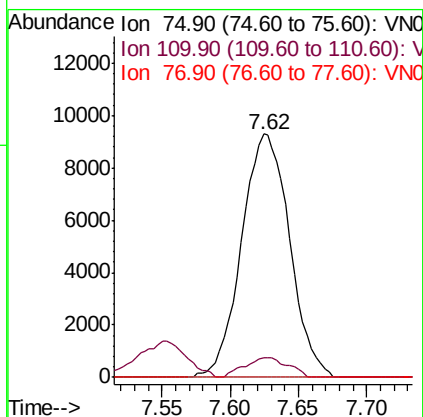
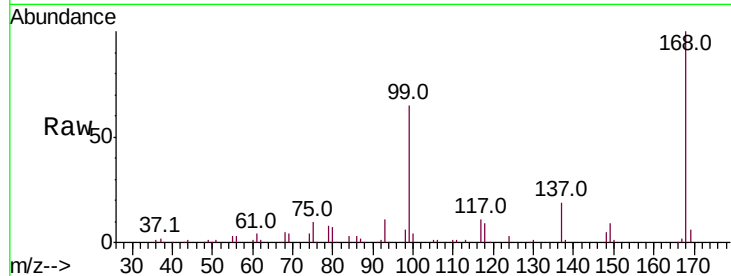




#36
 1,1-Dichloropropene
 Concen: 4.775 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN063393.D
 Acq: 17 Sep 2020 3:27

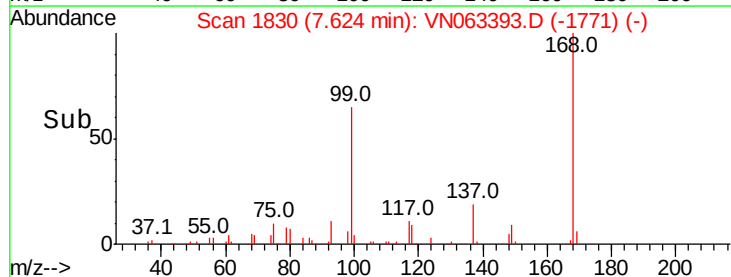
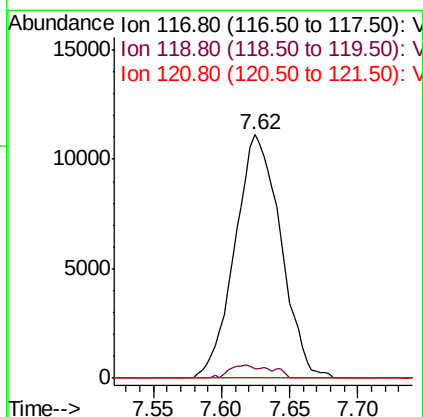
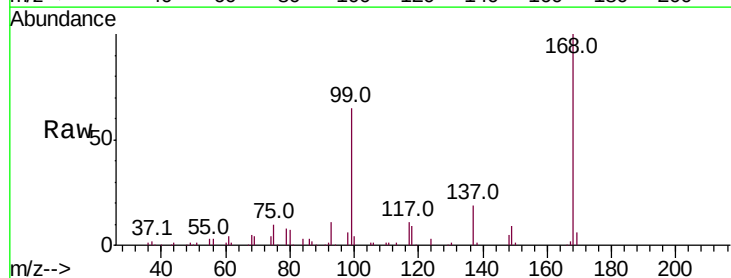
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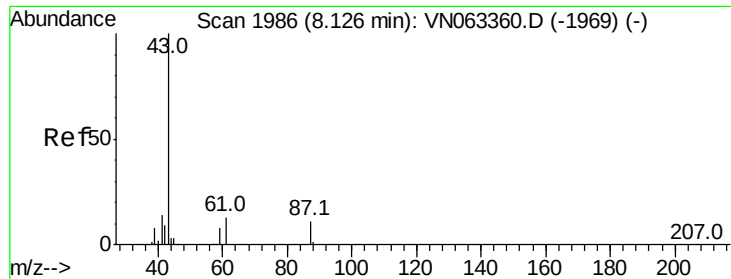
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.3	16.5	49.5#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.346 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN063393.D
 Acq: 17 Sep 2020 3:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	74.5	111.7#
121	0.0	24.1	36.1#

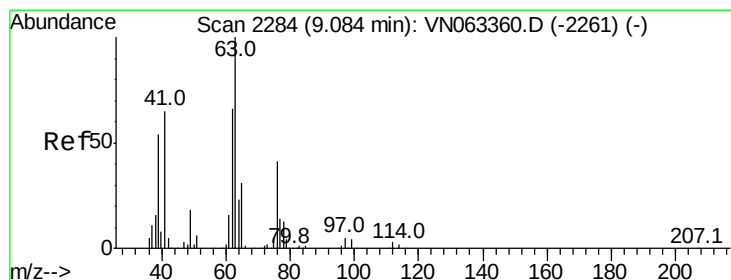
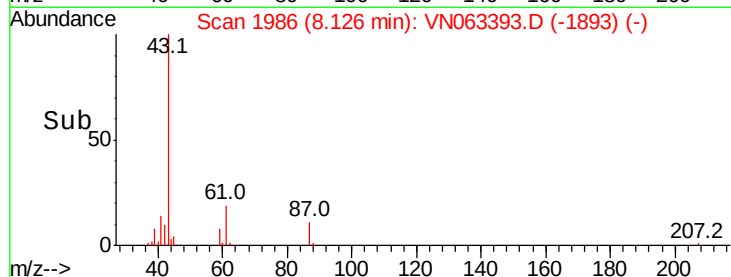
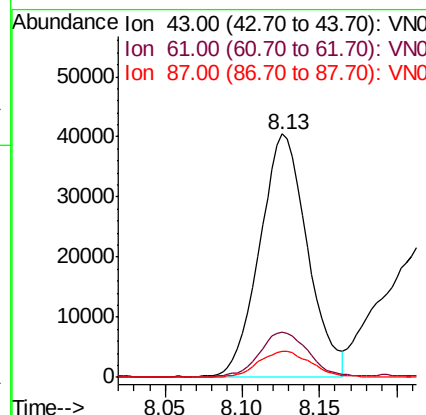
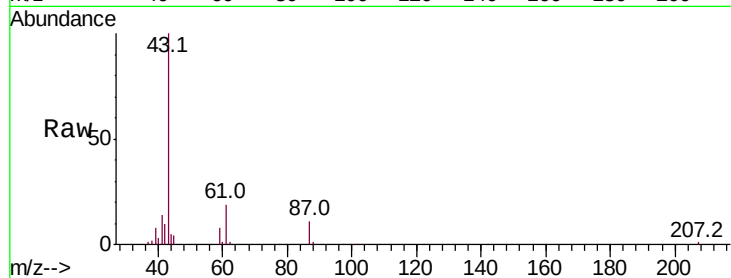




#43
Isopropyl Acetate
Concen: 10.475 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN063393.D
Acq: 17 Sep 2020 3:27

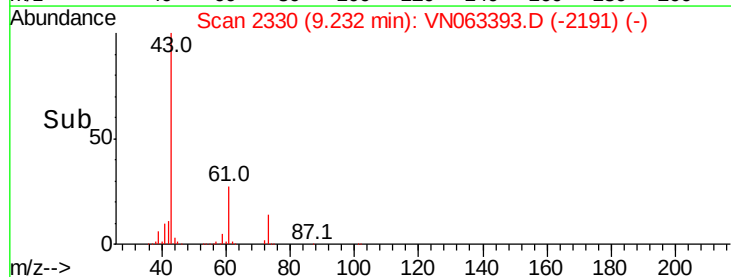
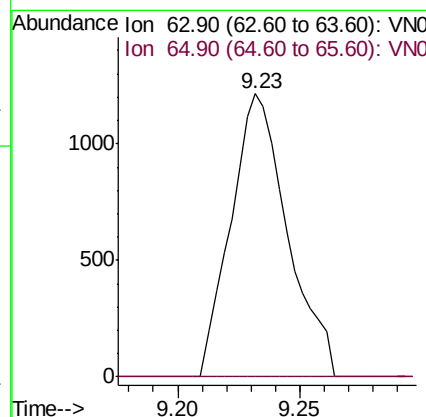
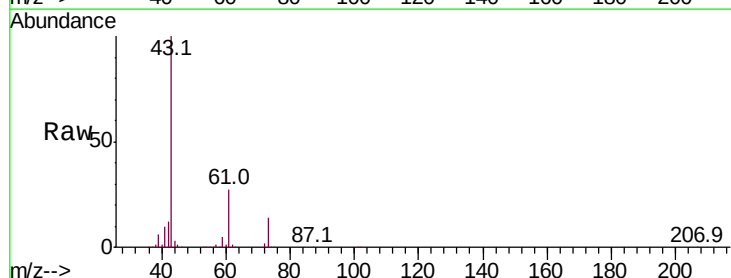
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PB131646ZHE#20

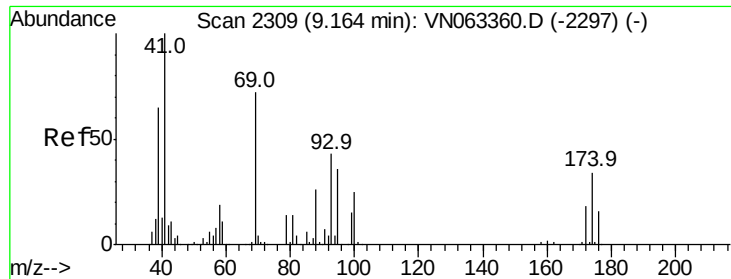
Tot Ion	43	61	87
Resp	87216		
Ratio	100	19.3	11.7
Lower		14.2	9.0
Upper		21.2	13.6



#45
1,2-Dichloropropane
Concen: 0.531 ug/l
RT: 9.23 min Scan# 2330
Delta R.T. 0.15 min
Lab File: VN063393.D
Acq: 17 Sep 2020 3:27

Tgt Ion	63	65
Resp	1957	
Ratio	100	0.0
Lower		25.0
Upper		37.6#

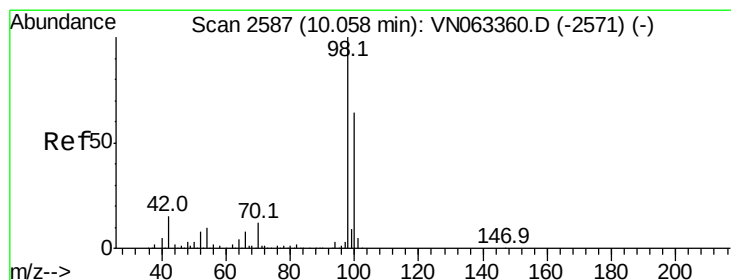
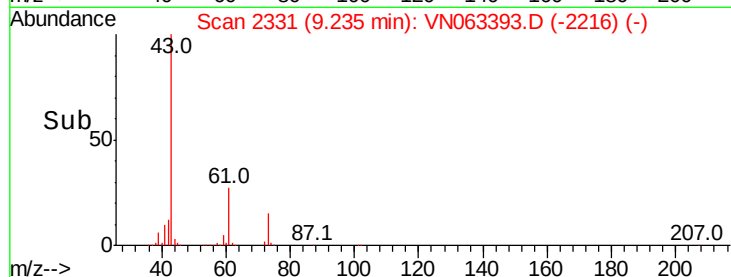
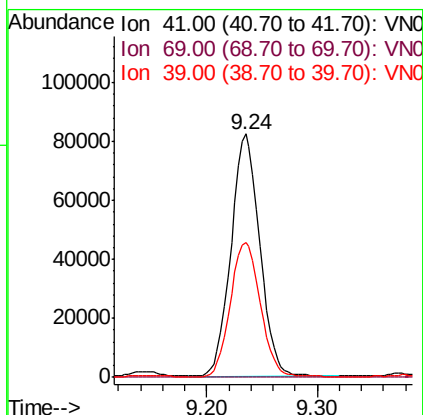
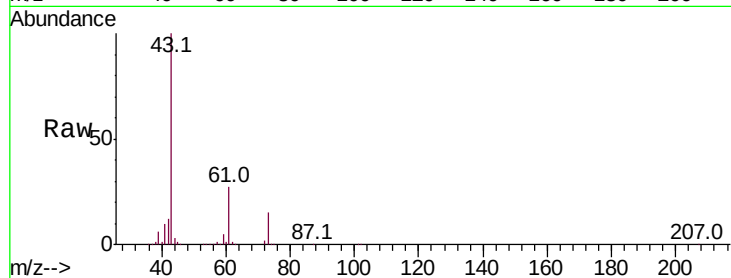




#48
Methyl methacrylate
Concen: 36.322 ug/l
RT: 9.24 min Scan# 2331
Delta R.T. 0.07 min
Lab File: VN063393.D
Acq: 17 Sep 2020 3:27

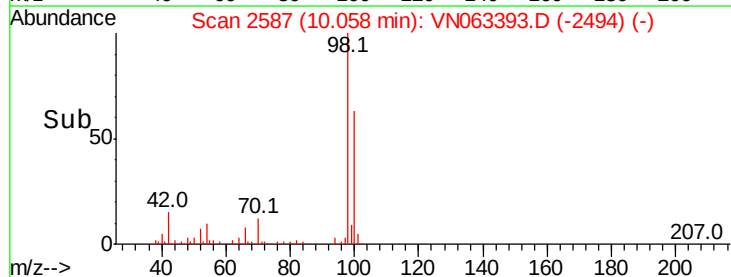
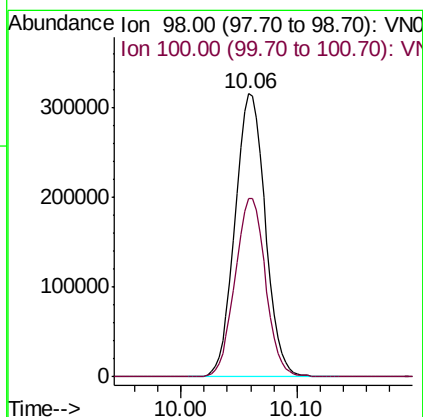
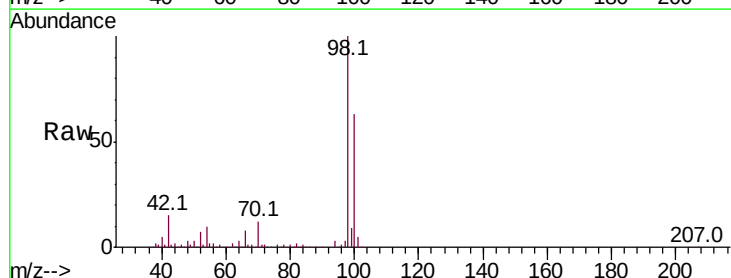
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#20

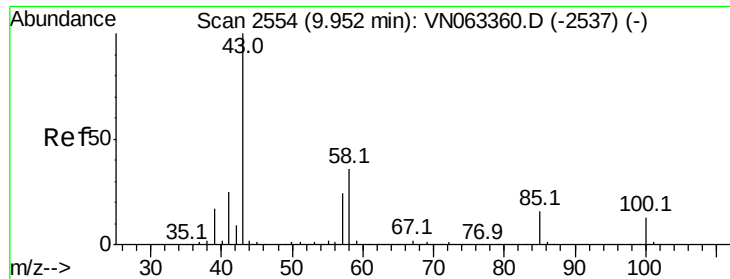
Tot Ion: 41 Resp: 148581
Ion Ratio Lower Upper
41 100
69 0.0 59.3 88.9#
39 57.8 52.9 79.3



#50
Toluene-d8
Concen: 49.408 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063393.D
Acq: 17 Sep 2020 3:27

Tgt Ion: 98 Resp: 572764
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 2.325 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN063393.D

Acq: 17 Sep 2020 3:27

Instrument :

MSVOA_N

ClientSampleId :

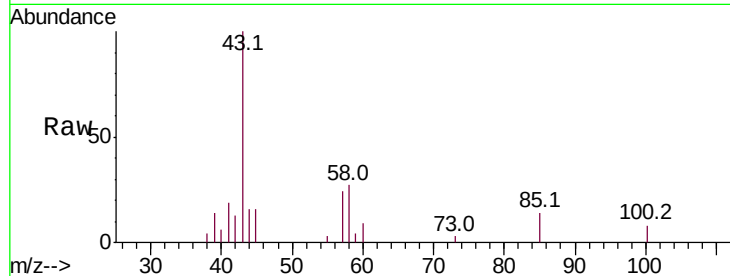
PB131646ZHE#20

Tot Ion: 43 Resp: 10838

Ion Ratio Lower Upper

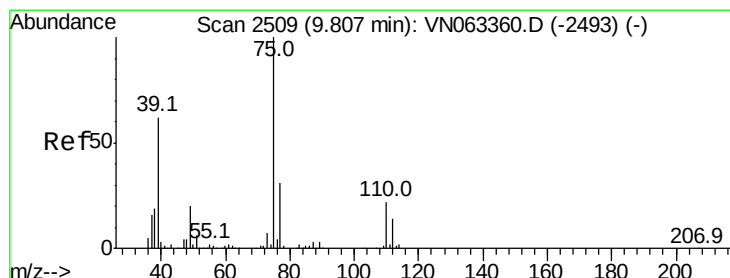
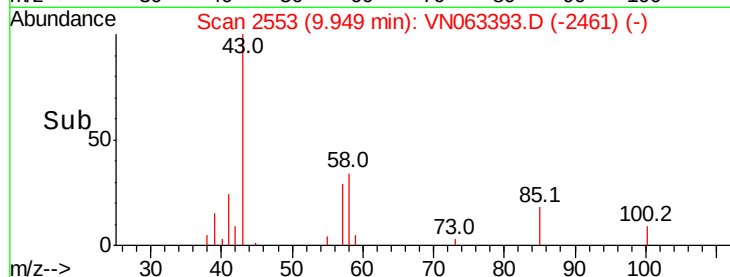
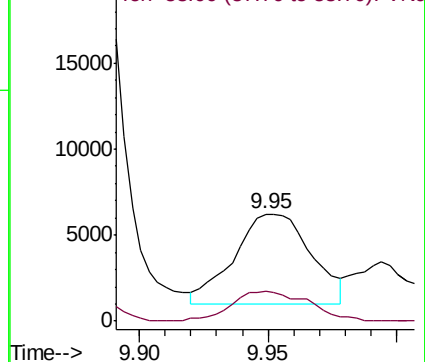
43 100

58 33.7 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.196 ug/l

RT: 9.87 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN063393.D

Acq: 17 Sep 2020 3:27

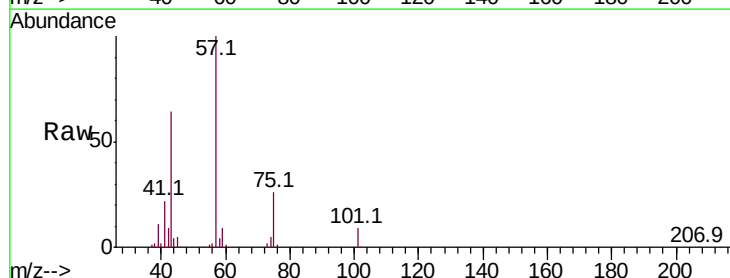
Tgt Ion: 75 Resp: 36749

Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

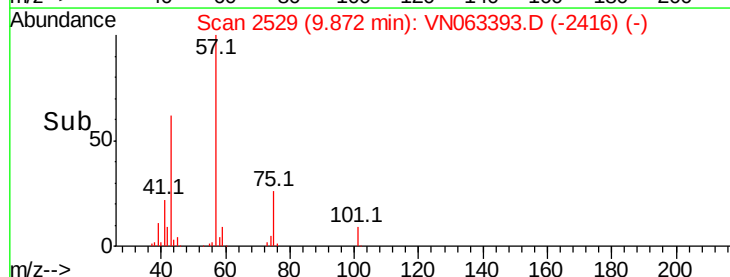
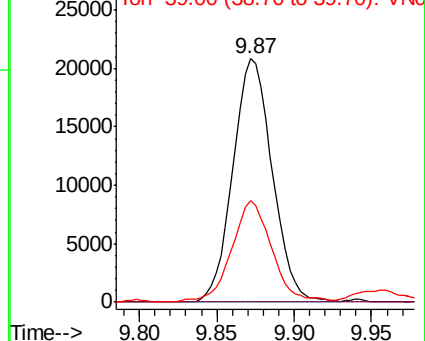
39 40.9 49.8 74.8#

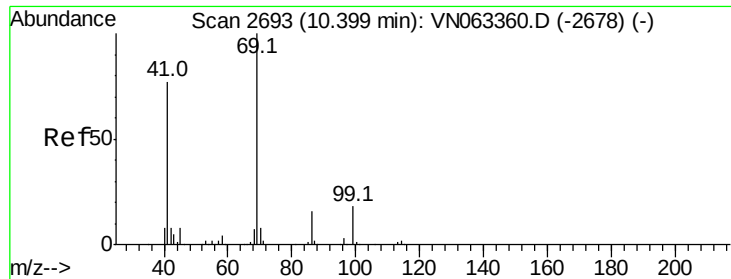


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.348 ug/l

RT: 10.51 min Scan# 2729

Delta R.T. 0.12 min

Lab File: VN063393.D

Acq: 17 Sep 2020 3:27

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#20

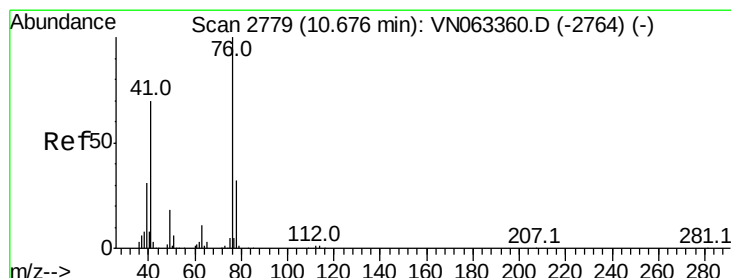
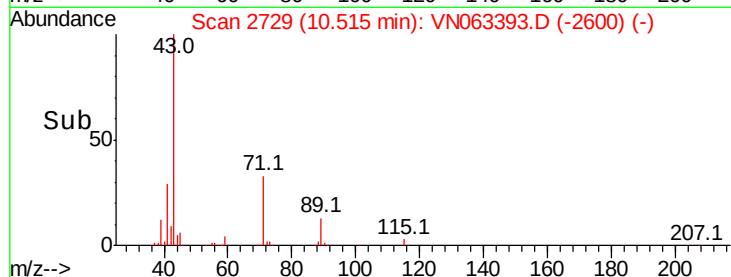
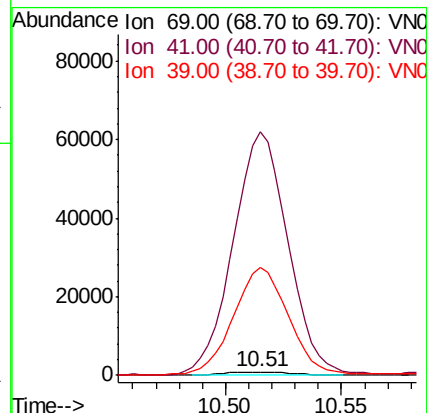
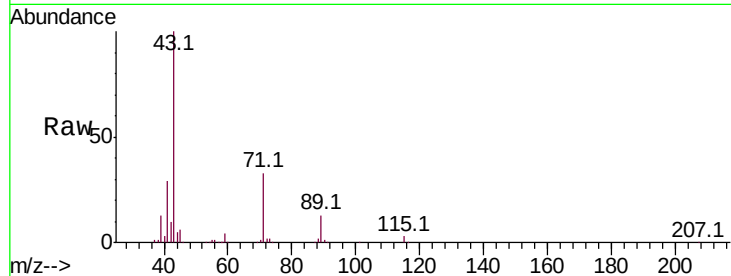
Tot Ion: 69 Resp: 1755

Ion Ratio Lower Upper

69 100

41 5855.0 61.0 91.6#

39 2588.5 39.2 58.8#



#57

1,3-Dichloropropane

Concen: 1.121 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063393.D

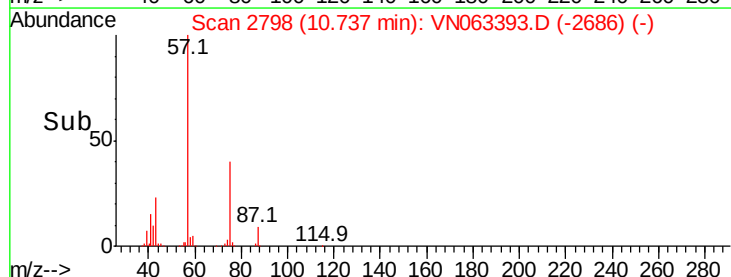
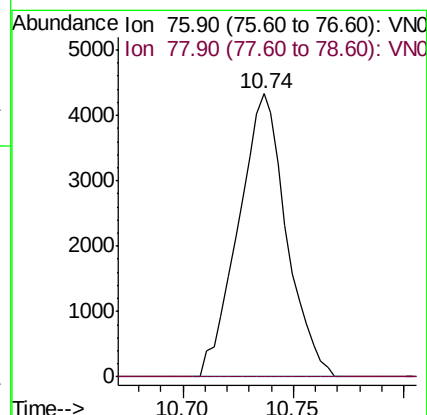
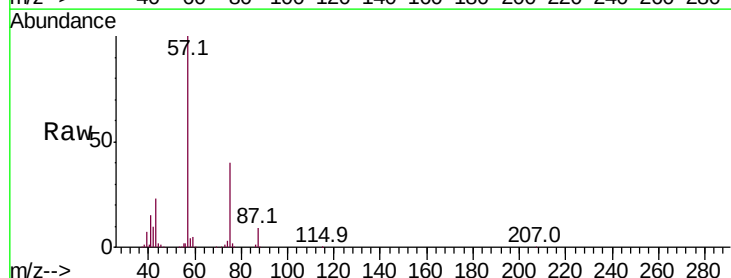
Acq: 17 Sep 2020 3:27

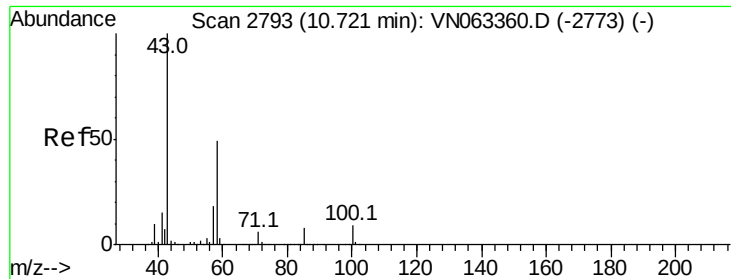
Tgt Ion: 76 Resp: 6539

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#





#59

2-Hexanone

Concen: 30.359 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.02 min

Lab File: VN063393.D

Acq: 17 Sep 2020 3:27

Instrument :

MSVOA_N

ClientSampleId :

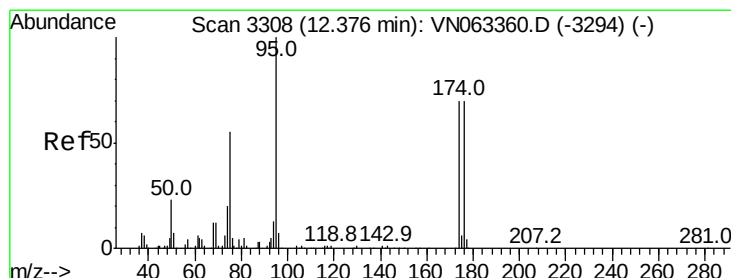
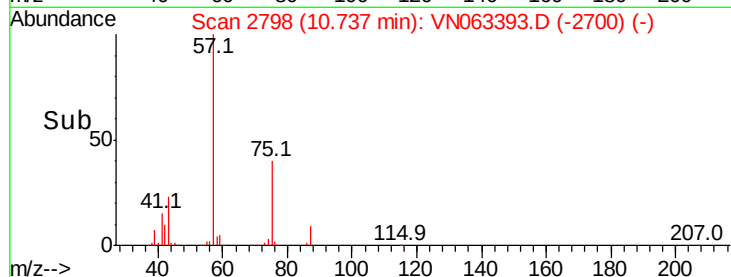
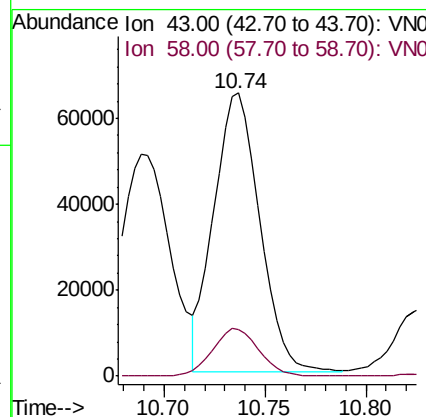
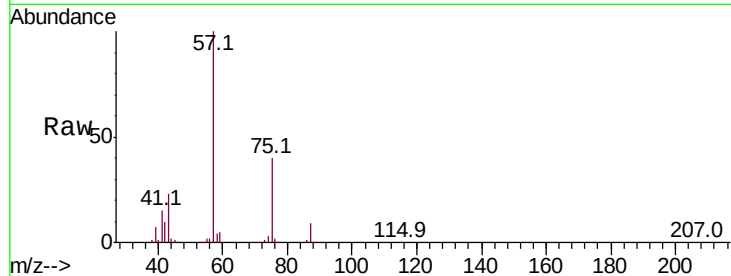
PB131646ZHE#20

Tot Ion: 43 Resp: 102522

Ion Ratio Lower Upper

43 100

58 17.3 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 53.899 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063393.D

Acq: 17 Sep 2020 3:27

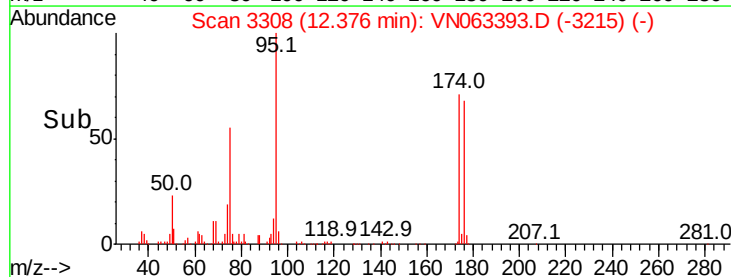
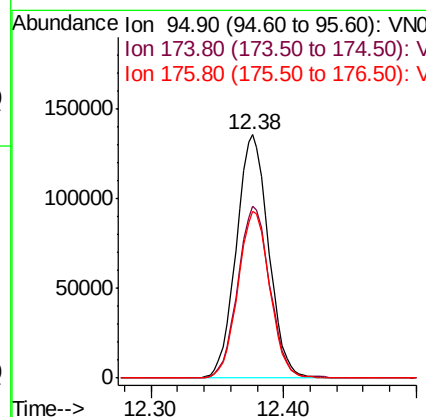
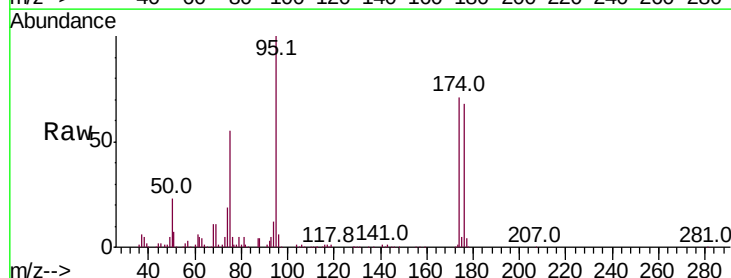
Tgt Ion: 95 Resp: 229049

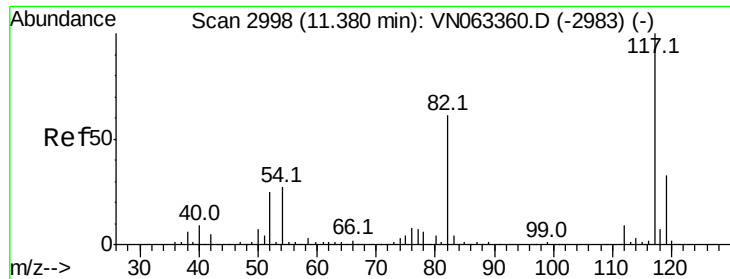
Ion Ratio Lower Upper

95 100

174 70.1 0.0 140.8

176 67.5 0.0 137.6

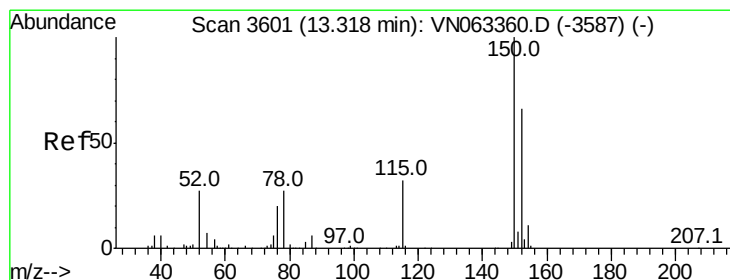
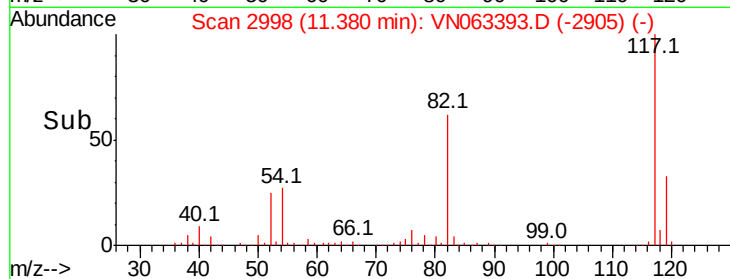
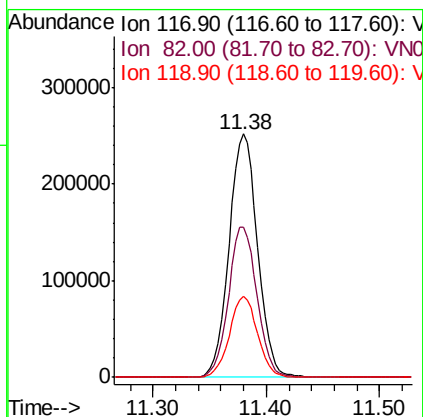
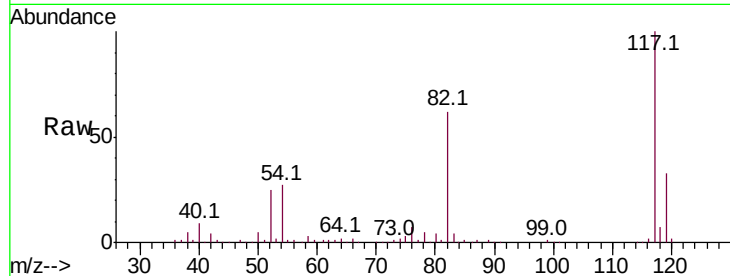




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063393.D
Acq: 17 Sep 2020 3:27

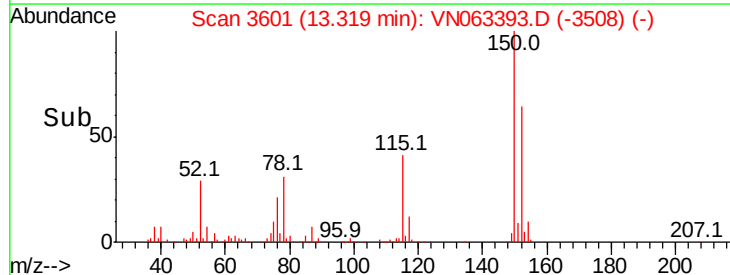
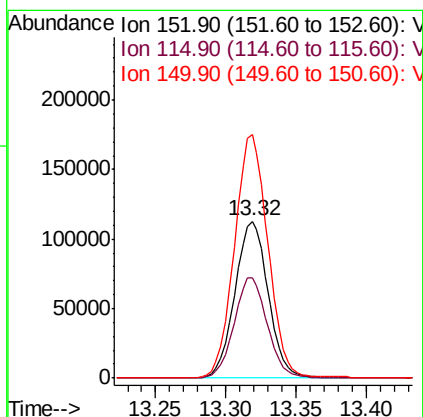
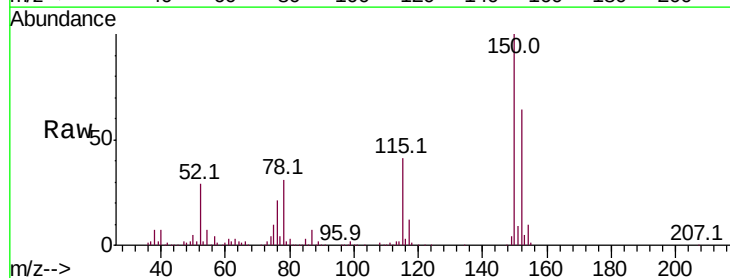
Instrument :
MSVOA_N
ClientSampleId :
PB131646ZHE#20

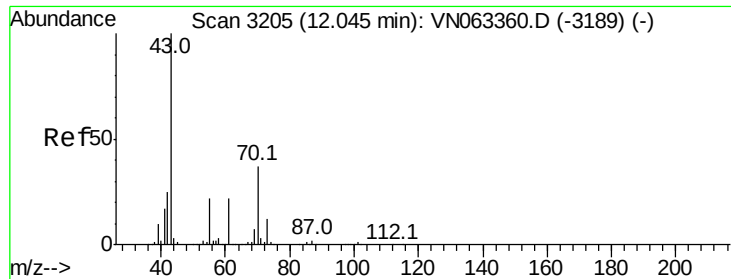
Tot Ion:117 Resp: 440929
Ion Ratio Lower Upper
117 100
82 61.7 49.2 73.8
119 33.2 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063393.D
Acq: 17 Sep 2020 3:27

Tgt Ion:152 Resp: 186859
Ion Ratio Lower Upper
152 100
115 64.0 32.2 96.6
150 156.6 0.0 343.4





#74

N-amvl acetate

Concen: 0.459 ug/l

RT: 12.01 min Scan# 3193

Delta R.T. -0.04 min

Lab File: VN063393.D

Acq: 17 Sep 2020 3:27

Instrument :

MSVOA_N

ClientSampleId :

PB131646ZHE#20

Tot Ion: 43 Resp: 3255

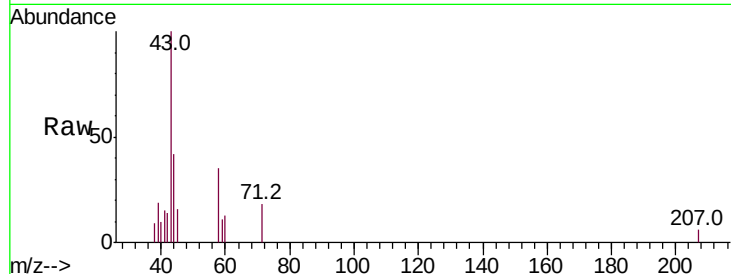
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 5.7 17.7 26.5#

61 0.0 17.4 26.2#

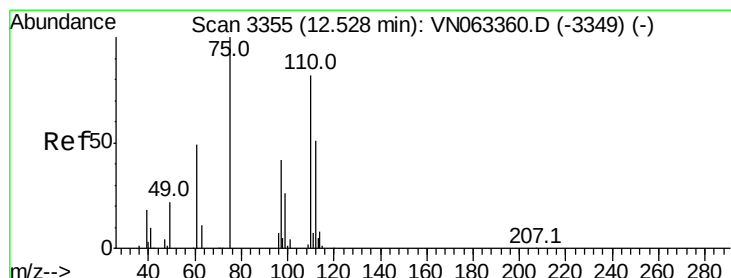
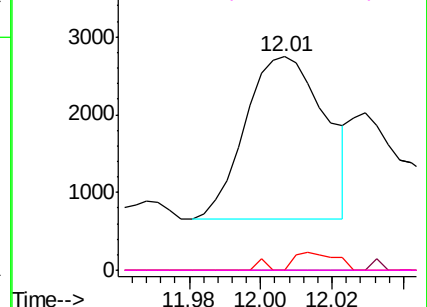
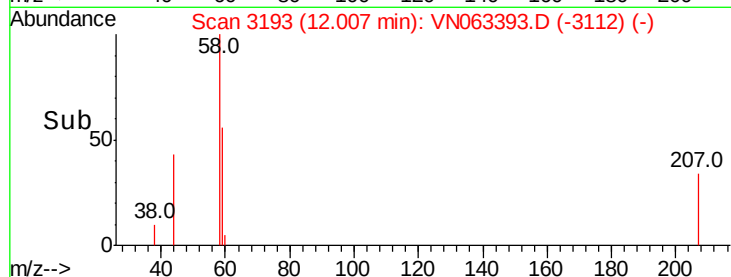


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 27.655 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063393.D

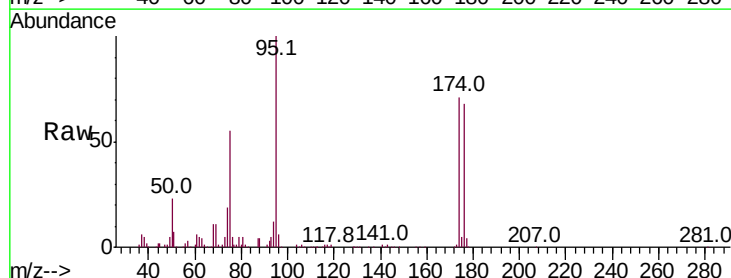
Acq: 17 Sep 2020 3:27

Tgt Ion: 75 Resp: 127907

Ion Ratio Lower Upper

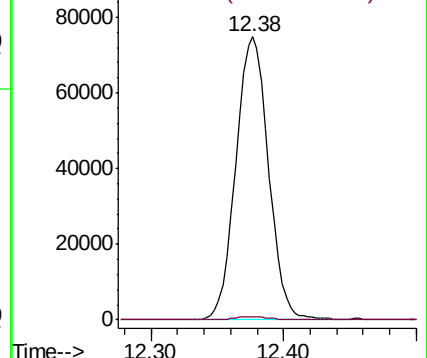
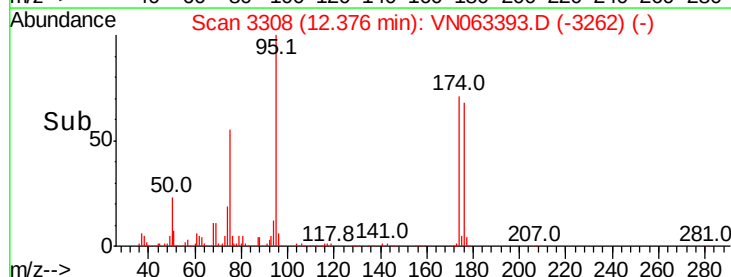
75 100

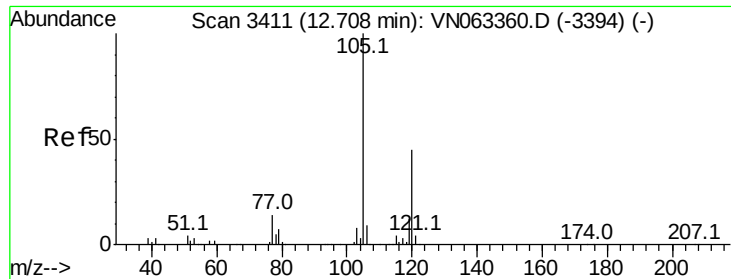
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

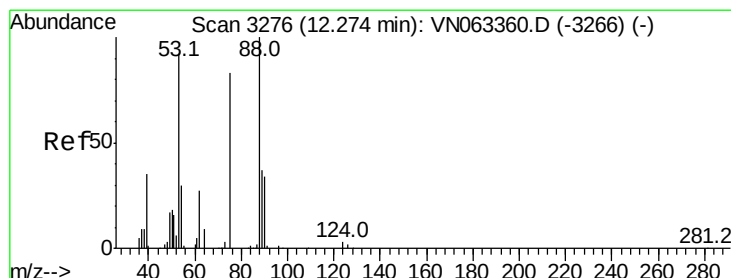
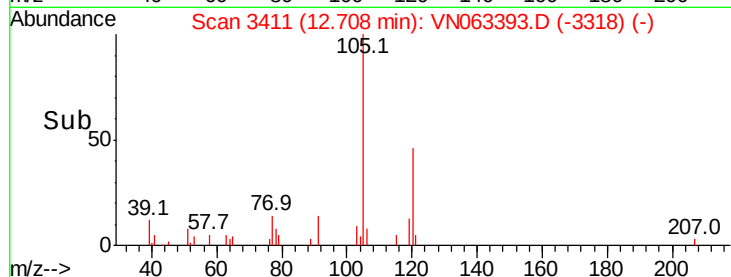
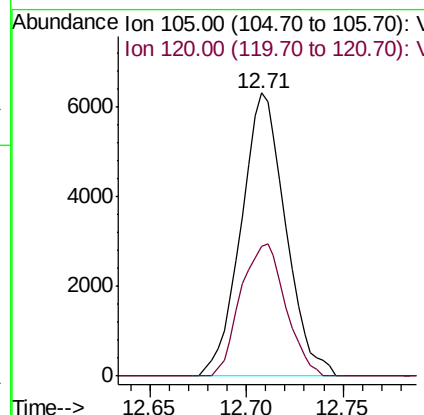
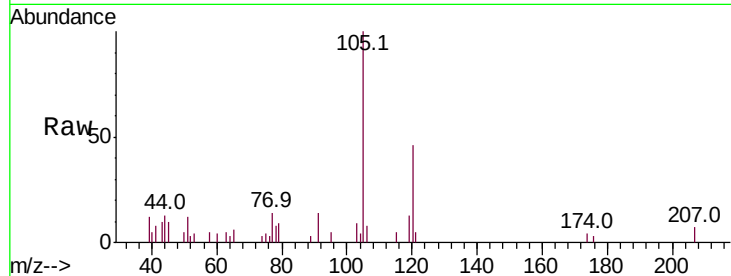




#80
 1,3,5-Trimethylbenzene
 Concen: 0.808 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063393.D
 Acq: 17 Sep 2020 3:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131646ZHE#20

Tot Ion:105 Resp: 10090
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.9 68.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.821 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063393.D
 Acq: 17 Sep 2020 3:27

Tgt Ion: 75 Resp: 127907
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.7 128.5#
 89 0.1 38.0 57.0#

