

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042523\
 Data File : VD075815.D
 Acq On : 25 Apr 2023 16:57
 Operator : KP/SY
 Sample : 02419-06RE
 Misc : 3.75G/10.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 26 02:43:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM042023SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Apr 26 02:39:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

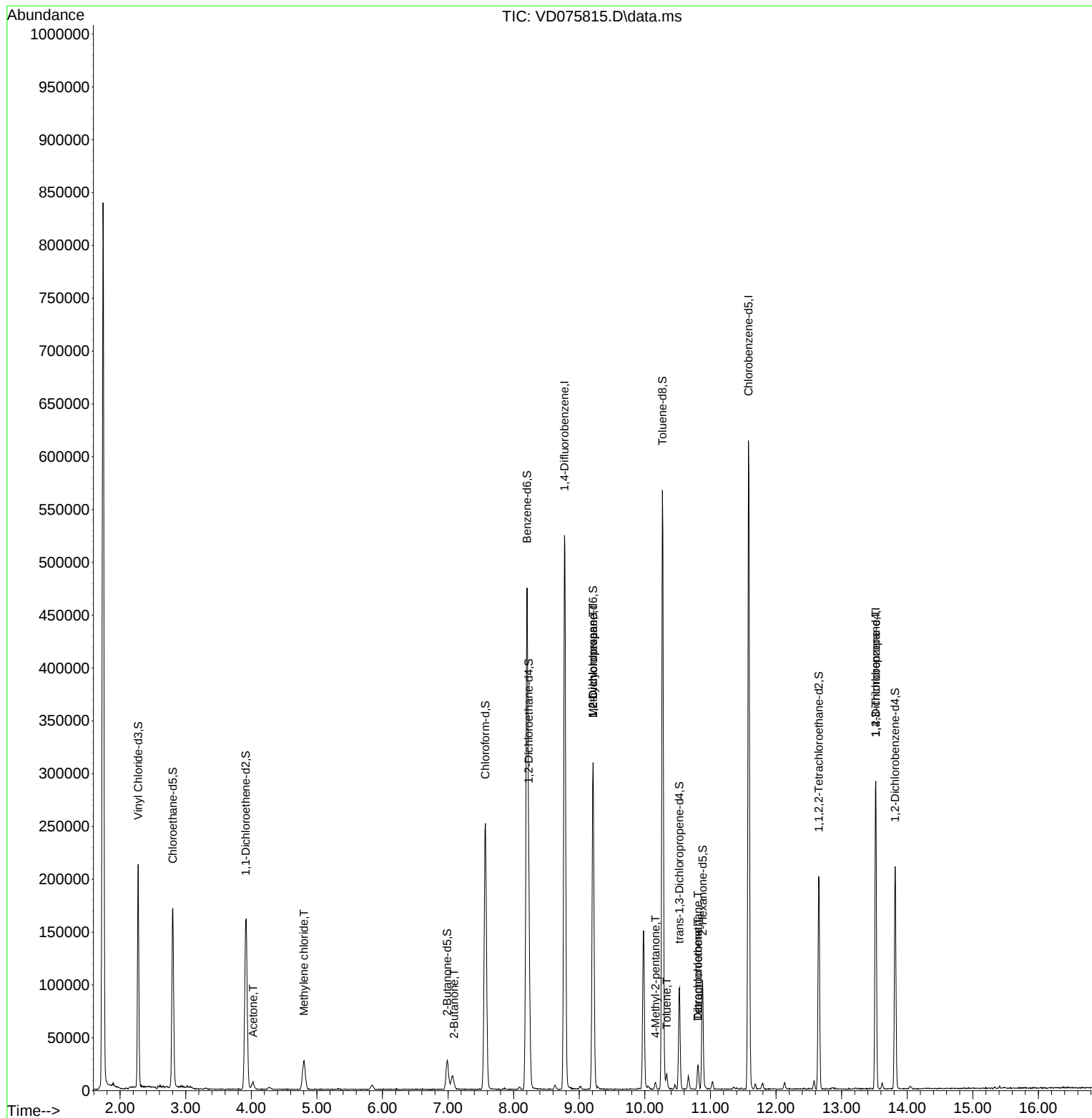
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	521914	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	394201	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	87604	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.275	65	195142	17.044	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.160%
7) Chloroethane-d5	2.805	69	191131	19.321	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.280%
11) 1,1-Dichloroethene-d2	3.916	65	44559	16.881	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.520%
21) 2-Butanone-d5	6.987	46	45402	45.678	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.360%
24) Chloroform-d	7.569	84	275420	21.103	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.400%
26) 1,2-Dichloroethane-d4	8.228	65	117319	21.050	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.200%
32) Benzene-d6	8.204	84	539423	23.478	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.920%
36) 1,2-Dichloropropane-d6	9.210	67	164843	25.921	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.680%
41) Toluene-d8	10.269	98	423164	19.673	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.680%
43) trans-1,3-Dichloroprop...	10.528	79	58141	22.118	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.480%
47) 2-Hexanone-d5	10.881	63	38838	50.721	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.440%
56) 1,1,2,2-Tetrachloroeth...	12.651	84	106355	21.855	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.440%
66) 1,2-Dichlorobenzene-d4	13.816	152	63390	20.457	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	81.840%
Target Compounds						Qvalue
13) Acetone	4.028	43	10345	12.162	ug/L	97
16) Methylene chloride	4.805	84	23524	2.222	ug/L	91
22) 2-Butanone	7.093	43	936	0.844	ug/L	86
35) Methylcyclohexane	9.210	83	40400	4.249	ug/L #	25
37) 1,2-Dichloropropane	9.210	63	16308	2.977	ug/L #	85
40) 4-Methyl-2-pentanone	10.163	43	4426	2.216	ug/L	92
42) Toluene	10.334	91	10344	0.401	ug/L	99
46) Tetrachloroethene	10.810	164	5120	1.012	ug/L	80
49) Dibromochloromethane	10.810	129	4932	0.972	ug/L #	10
61) 1,2,3-Trichloropropane	13.522	75	9211	6.693	ug/L #	62

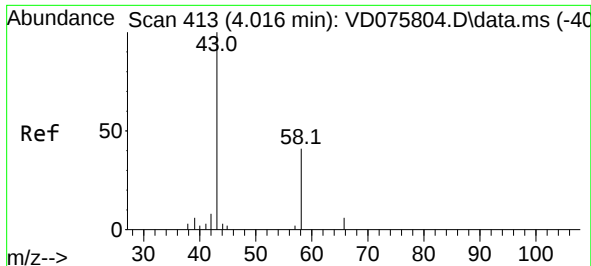
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Wed Apr 26 02:39:47 2023
Response via : Initial Calibration





#13

Acetone

Concen: 12.162 ug/L

RT: 4.028 min Scan# 413

Delta R.T. 0.012 min

Lab File: VD075815.D

Acq: 25 Apr 2023 16:57

Instrument :

MSVOA_D

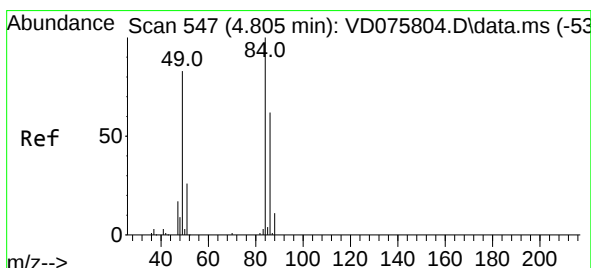
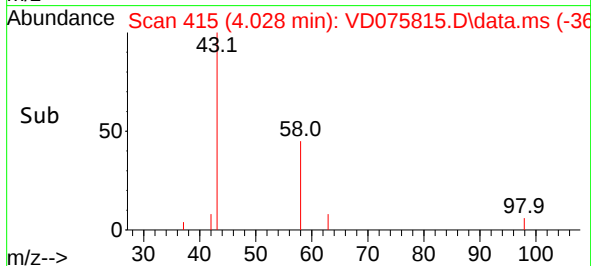
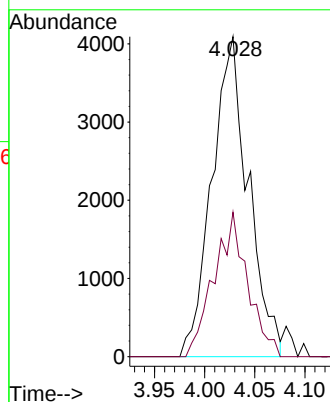
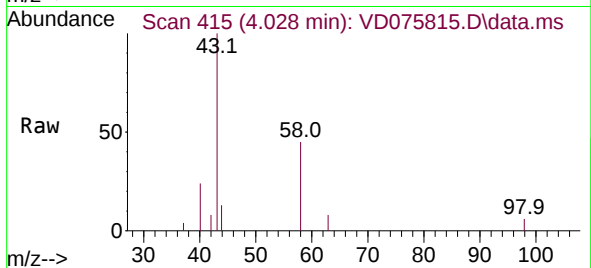
ClientSampleId :

Tgt Ion: 43 Resp: 10345

Ion Ratio Lower Upper

43 100

58 41.7 0.0 87.4



#16

Methylene chloride

Concen: 2.222 ug/L

RT: 4.805 min Scan# 547

Delta R.T. 0.000 min

Lab File: VD075815.D

Acq: 25 Apr 2023 16:57

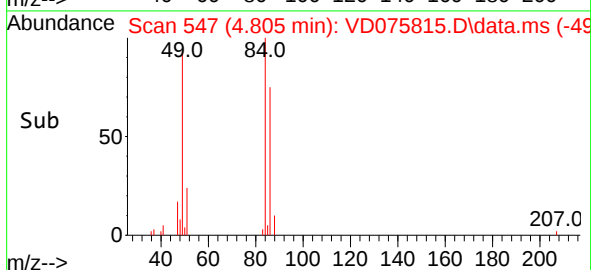
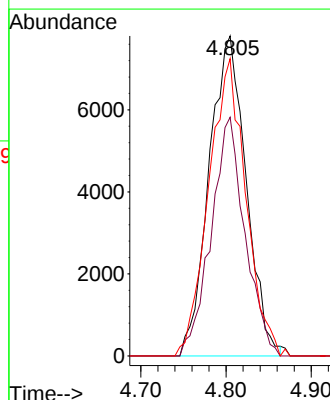
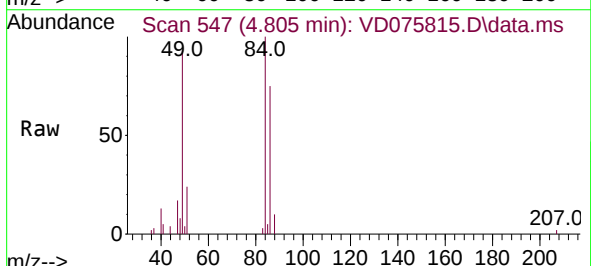
Tgt Ion: 84 Resp: 23524

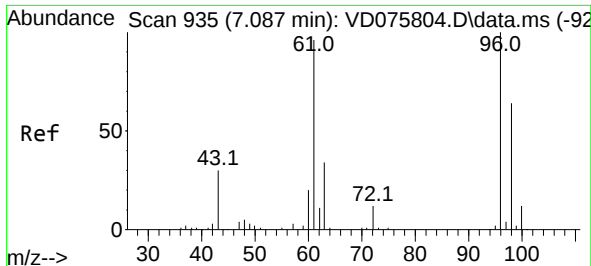
Ion Ratio Lower Upper

84 100

86 74.6 45.8 85.2

49 92.9 60.8 112.8





#22

2-Butanone

Concen: 0.844 ug/L

RT: 7.093 min Scan# 91

Delta R.T. 0.006 min

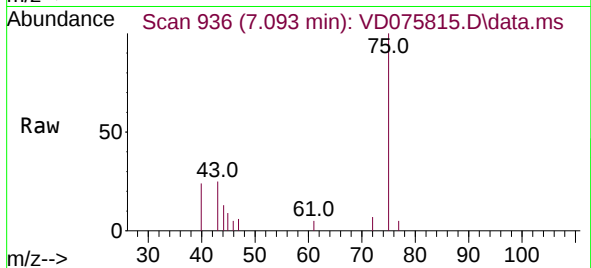
Lab File: VD075815.D

Acq: 25 Apr 2023 16:57

Instrument :

MSVOA_D

ClientSampleId :

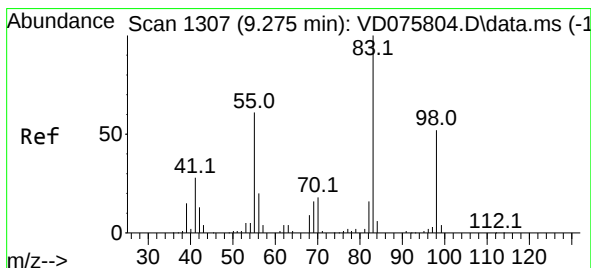
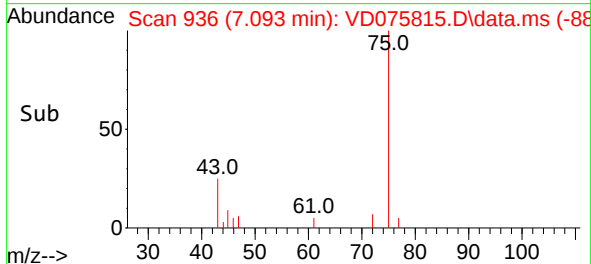
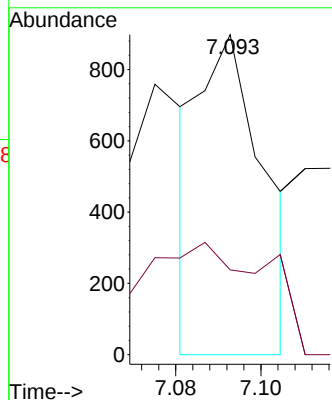


Tgt Ion: 43 Resp: 936

Ion Ratio Lower Upper

43 100

72 49.9 20.5 61.5



#35

Methylcyclohexane

Concen: 4.249 ug/L

RT: 9.210 min Scan# 1296

Delta R.T. -0.065 min

Lab File: VD075815.D

Acq: 25 Apr 2023 16:57

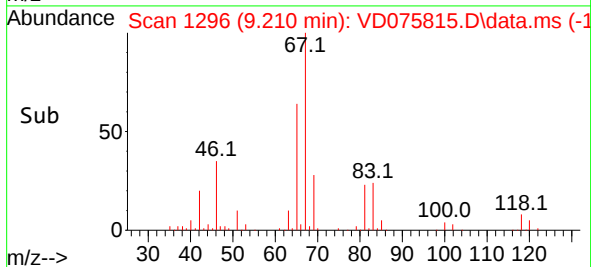
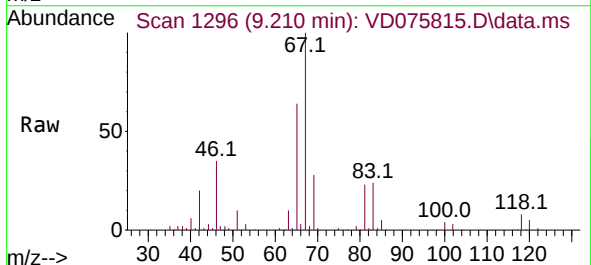
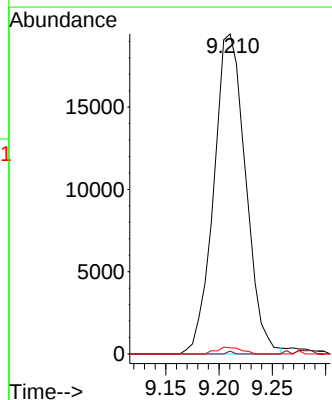
Tgt Ion: 83 Resp: 40400

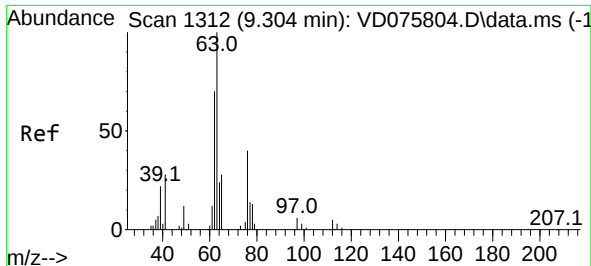
Ion Ratio Lower Upper

83 100

55 0.2 48.2 72.2#

98 1.6 40.8 61.2#

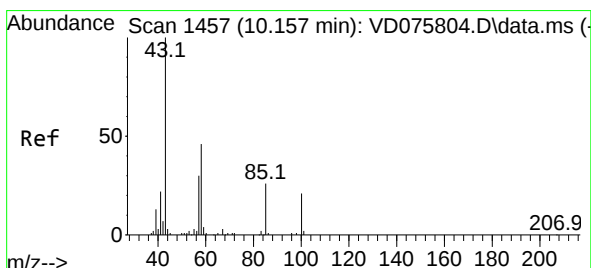
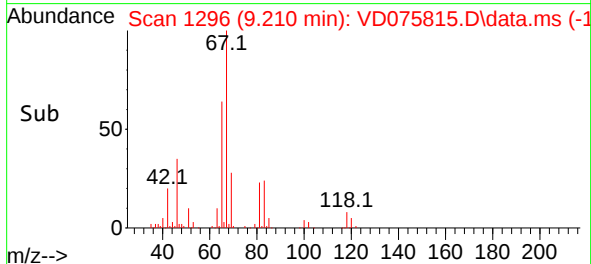
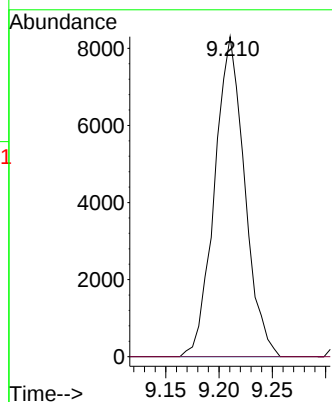
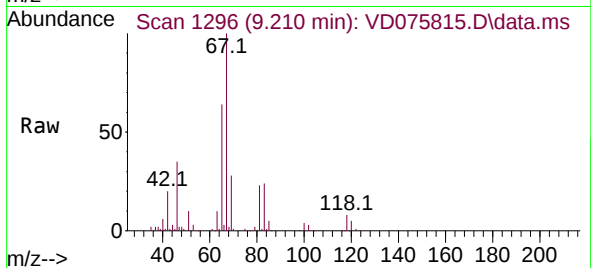




#37
1,2-Dichloropropane
Concen: 2.977 ug/L
RT: 9.210 min Scan# 11
Delta R.T. -0.094 min
Lab File: VD075815.D
Acq: 25 Apr 2023 16:57

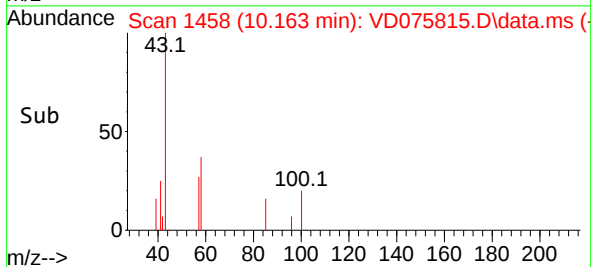
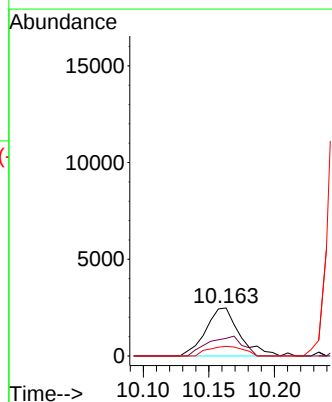
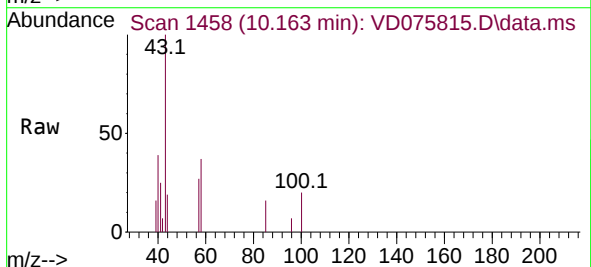
Instrument :
MSVOA_D
ClientSampleId :

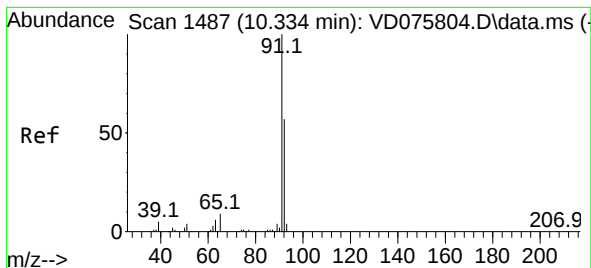
Tgt Ion: 63 Resp: 16308
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#



#40
4-Methyl-2-pentanone
Concen: 2.216 ug/L
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD075815.D
Acq: 25 Apr 2023 16:57

Tgt Ion: 43 Resp: 4426
Ion Ratio Lower Upper
43 100
58 42.7 39.1 58.7
100 21.2 19.4 29.0





#42

Toluene

Concen: 0.401 ug/L

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD075815.D

Acq: 25 Apr 2023 16:57

Instrument :

MSVOA_D

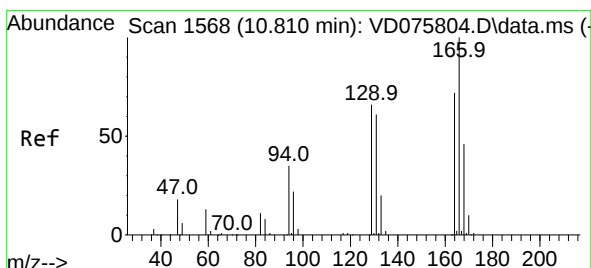
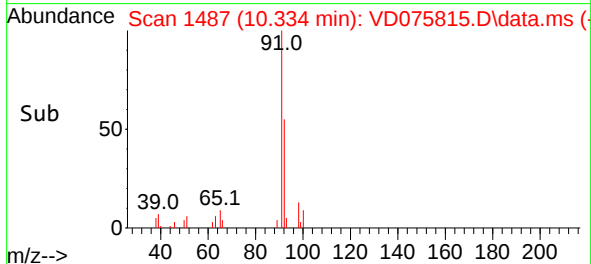
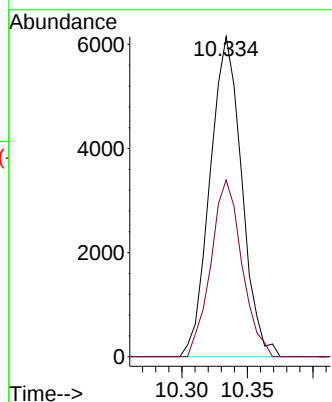
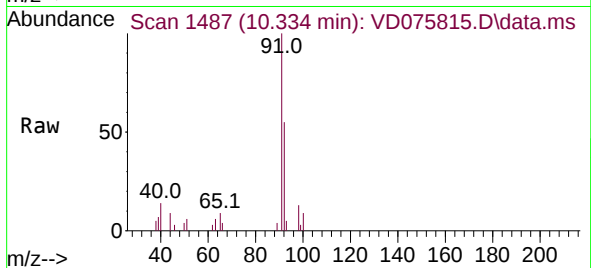
ClientSampleId :

Tgt Ion: 91 Resp: 10344

Ion Ratio Lower Upper

91 100

92 55.2 39.3 72.9



#46

Tetrachloroethene

Concen: 1.012 ug/L

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD075815.D

Acq: 25 Apr 2023 16:57

Tgt Ion:164 Resp: 5120

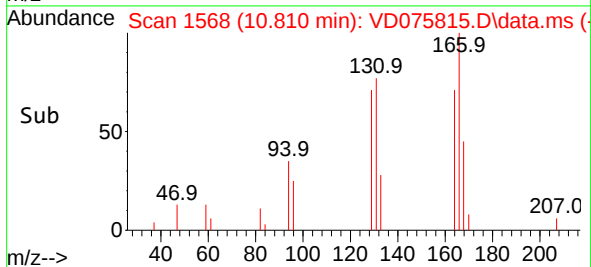
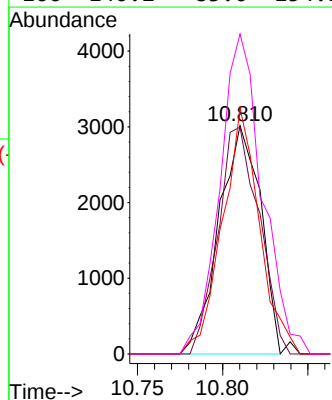
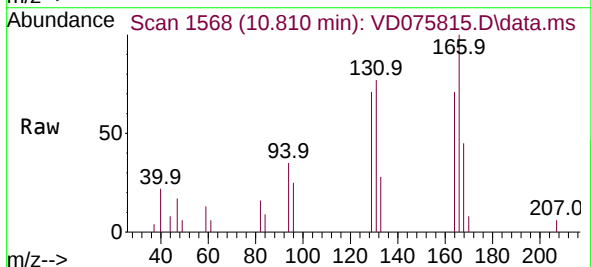
Ion Ratio Lower Upper

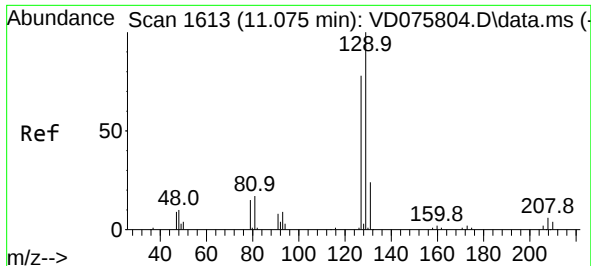
164 100

129 99.4 60.3 112.1

131 107.8 58.9 109.3

166 140.2 83.0 154.1





#49

Dibromochloromethane

Concen: 0.972 ug/L

RT: 10.810 min Scan# 11

Delta R.T. -0.265 min

Lab File: VD075815.D

Acq: 25 Apr 2023 16:57

Instrument :

MSVOA_D

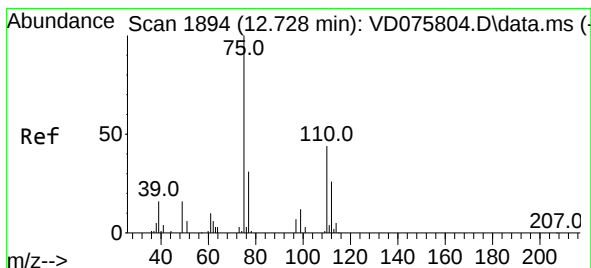
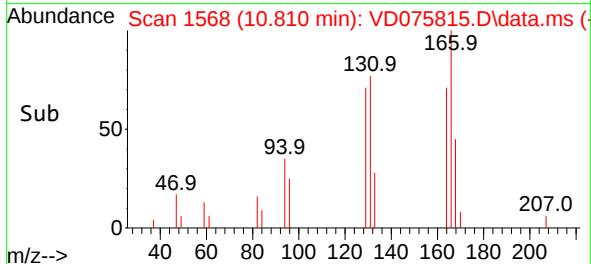
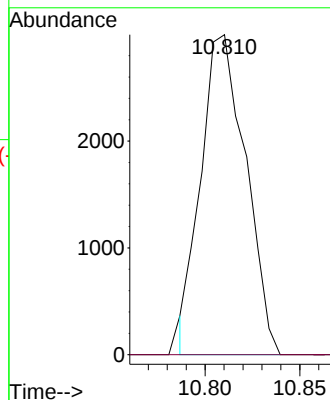
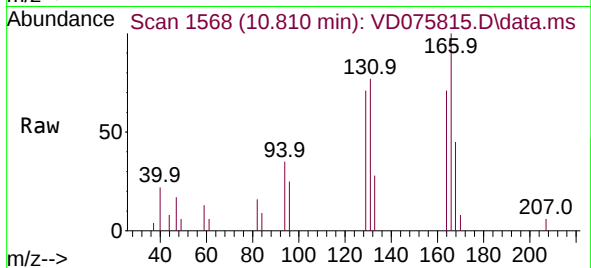
ClientSampleId :

Tgt Ion:129 Resp: 4932

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#61

1,2,3-Trichloropropane

Concen: 6.693 ug/L

RT: 13.522 min Scan# 2029

Delta R.T. 0.794 min

Lab File: VD075815.D

Acq: 25 Apr 2023 16:57

Tgt Ion: 75 Resp: 9211

Ion Ratio Lower Upper

75 100

77 34.6 26.6 39.8

110 0.0 33.5 50.3#

