

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102821\
 Data File : VU045443.D
 Acq On : 28 Oct 2021 16:29
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

SAM
 11/2/2021 5:49:53 PM

Quant Time: Oct 29 03:13:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 29 03:03:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	309801	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	296687	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	143893	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	117745	46.696	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.400%
7) Chloroethane-d5	1.916	69	101695	50.327	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.660%
11) 1,1-Dichloroethene-d2	2.572	63	161130	35.981	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.960%
21) 2-Butanone-d5	4.626	46	213491	101.173	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.170%
24) Chloroform-d	5.067	84	214950	47.516	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.040%
26) 1,2-Dichloroethane-d4	5.706	65	150395	50.276	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.560%
32) Benzene-d6	5.732	84	444543	48.485	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.960%
36) 1,2-Dichloropropane-d6	6.694	67	146569	49.384	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.760%
41) Toluene-d8	7.899	98	387011	48.386	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.780%
43) trans-1,3-Dichloroprop...	8.182	79	66829	47.926	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.860%
47) 2-Hexanone-d5	8.632	63	152223	96.087	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.090%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	213144	47.856	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.720%
66) 1,2-Dichlorobenzene-d4	12.195	152	143598	49.327	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.660%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	6896	2.519	ug/L	98
3) Chloromethane	1.520	50	8951	2.708	ug/L	99
5) Vinyl chloride	1.604	62	8417	2.709	ug/L	83
6) Bromomethane	1.861	94	4300	2.689	ug/L	95
8) Chloroethane	1.935	64	5666	3.086	ug/L	96
9) Trichlorofluoromethane	2.141	101	9385	2.552	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	6891	3.075	ug/L	88
12) 1,1-Dichloroethene	2.581	96	6503	3.075	ug/L #	1
13) Acetone	2.636	43	9229	5.333	ug/L	100
14) Carbon disulfide	2.797	76	15476	2.560	ug/L	99
15) Methyl Acetate	2.954	43	8042	2.750	ug/L	97
16) Methylene chloride	3.047	84	7289	2.793	ug/L	94
17) trans-1,2-Dichloroethene	3.356	96	5835	2.579	ug/L	98
18) Methyl tert-butyl Ether	3.369	73	20581	2.594	ug/L	100
19) 1,1-Dichloroethane	3.877	63	11489	2.548	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	6735	2.610	ug/L	98
22) 2-Butanone	4.713	43	11331	4.794	ug/L	98
23) Bromochloromethane	4.980	128	3182	2.561	ug/L	92
25) Chloroform	5.092	83	12490	2.768	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	10299	2.790	ug/L	97
29) Cyclohexane	5.391	56	10674	2.510	ug/L	97
30) 1,1,1-Trichloroethane	5.321	97	9462	2.511	ug/L	98
31) Carbon tetrachloride	5.526	117	7189	2.413	ug/L	99
33) Benzene	5.777	78	26146	2.541	ug/L	100
34) Trichloroethene	6.549	95	6626	2.682	ug/L	94
35) Methylcyclohexane	6.768	83	10510	2.449	ug/L	97
37) 1,2-Dichloropropane	6.793	63	7118	2.605	ug/L	98
38) Bromodichloromethane	7.108	83	8595	2.502	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	10705	2.561	ug/L	97
40) 4-Methyl-2-pentanone	7.793	43	19438	4.821	ug/L	95
42) Toluene	7.973	91	32770	3.060	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	10226m	2.595	ug/L	
45) 1,1,2-Trichloroethane	8.404	97	6592	2.598	ug/L	94
46) Tetrachloroethene	8.555	164	4668	2.664	ug/L	94
48) 2-Hexanone	8.687	43	19254	5.733	ug/L	99
49) Dibromochloromethane	8.812	129	6201	2.536	ug/L	92
50) 1,2-Dibromoethane	8.925	107	6905	2.593	ug/L	96
51) Chlorobenzene	9.449	112	16787	2.594	ug/L	99
52) Ethylbenzene	9.571	91	27719	2.440	ug/L	97
53) m,p-Xylene	9.697	106	10682	2.458	ug/L	97
54) o-xylene	10.102	106	10444	2.426	ug/L	96
55) Styrene	10.115	104	16322	2.257	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.783	83	11749	2.607	ug/L #	99
59) Bromoform	10.295	173	3738	2.253	ug/L #	98
60) 1,2,3-Trichloropropane	10.825	75	9459	2.669	ug/L	97
61) Isopropylbenzene	10.488	105	25273	2.376	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	21022	2.321	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	21280	2.311	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	11435	2.431	ug/L	93
65) 1,4-Dichlorobenzene	11.838	146	12648	2.658	ug/L	94
67) 1,2-Dichlorobenzene	12.214	146	13060	2.683	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.999	75	2601	2.514	ug/L	84
69) 1,3,5-Trichlorobenzene	13.221	180	8659	2.496	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	7717	2.434	ug/L	95
71) Naphthalene	14.089	128	27236	2.255	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	8382	2.584	ug/L	98

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

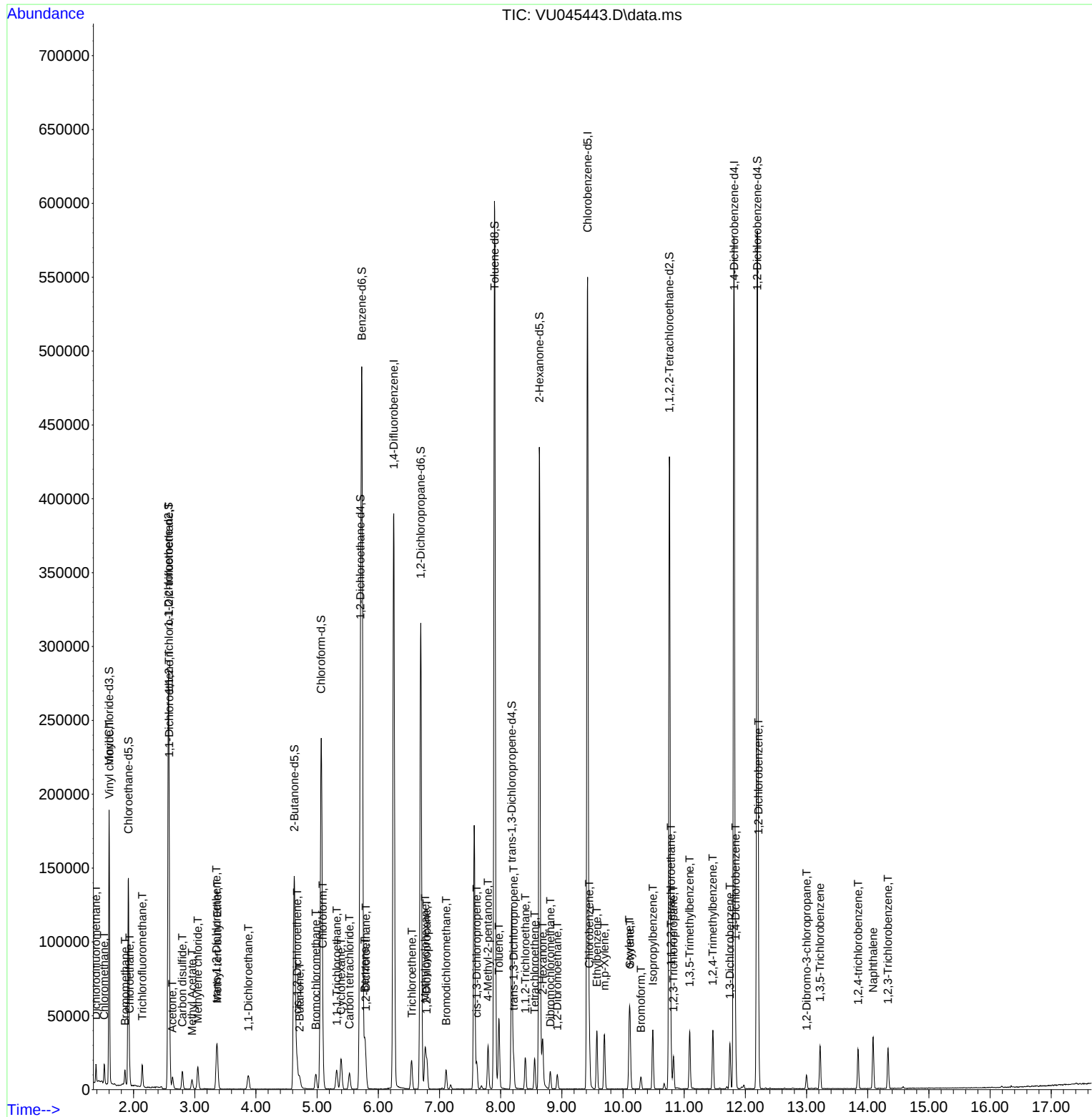
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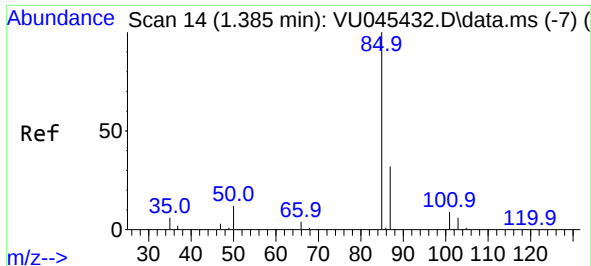
Instrument :
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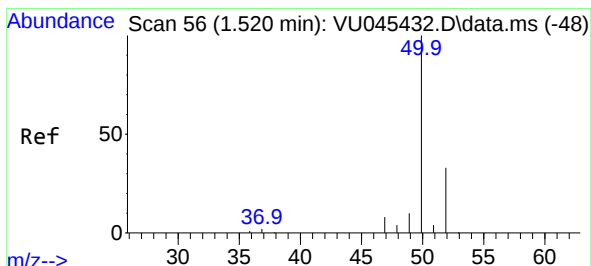
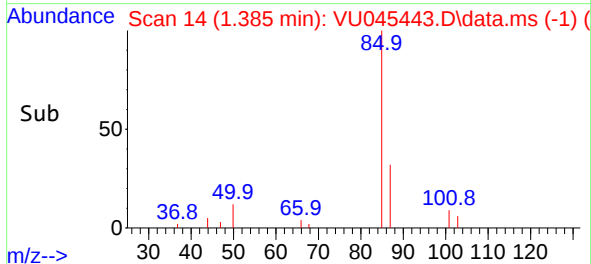
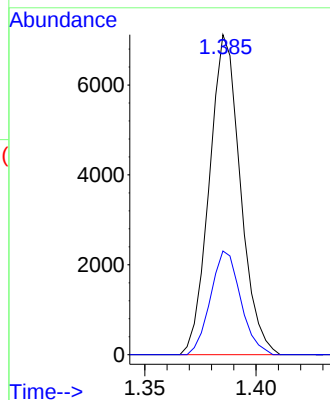
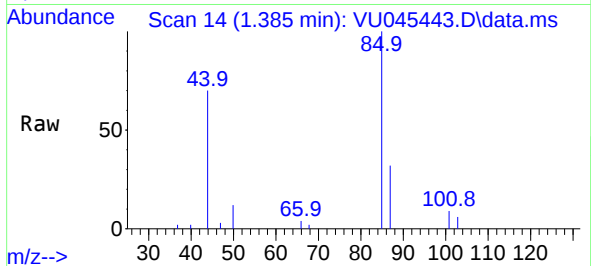
#2
Dichlorodifluoromethane
Concen: 2.519 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 85 Resp: 6896
Ion Ratio Lower Upper
85 100
87 31.5 26.0 39.0

Instrument :
MSVOA_U
ClientSampled :
MDL02

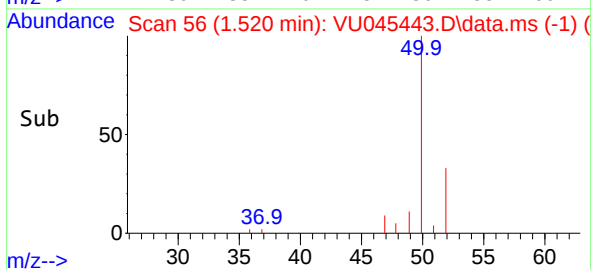
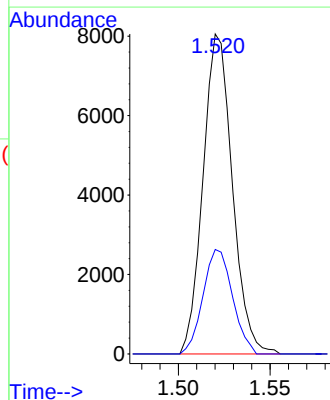
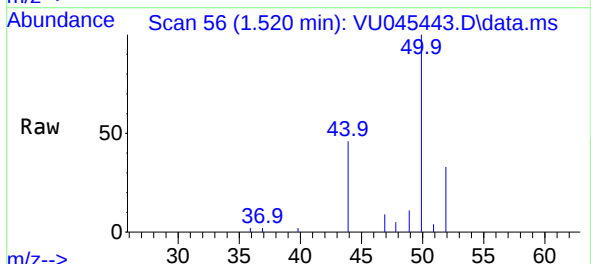
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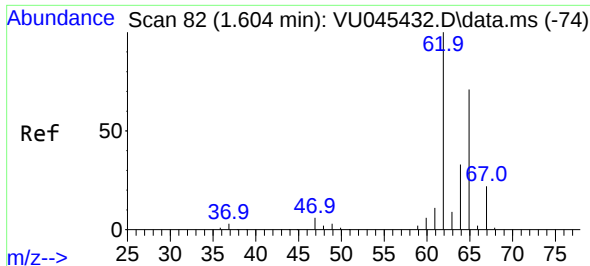
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#3
Chloromethane
Concen: 2.708 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 50 Resp: 8951
Ion Ratio Lower Upper
50 100
52 32.7 23.2 43.2





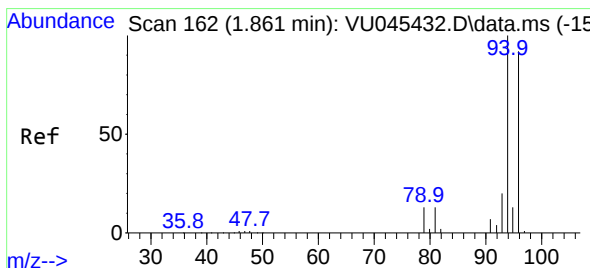
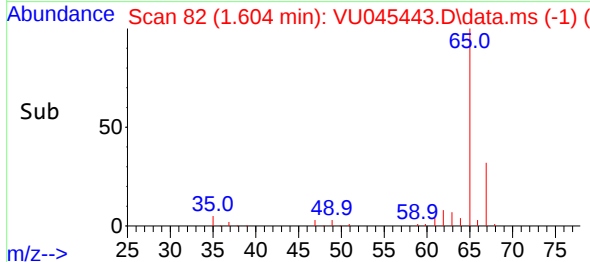
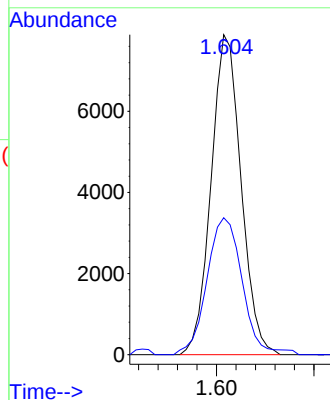
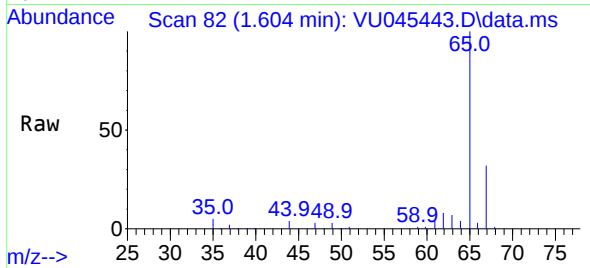
#5
 Vinyl chloride
 Concen: 2.709 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. 0.000 min
 Lab File: VU045443.D
 Acq: 28 Oct 2021 16:29

Tgt Ion: 62 Resp: 8417
 Ion Ratio Lower Upper
 62 100
 64 42.8 23.3 43.3

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

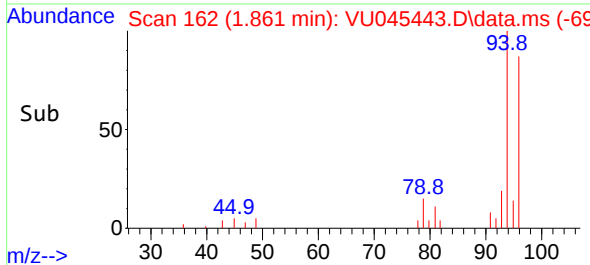
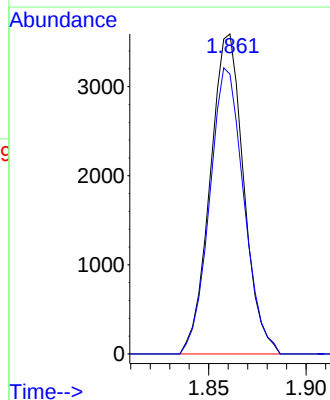
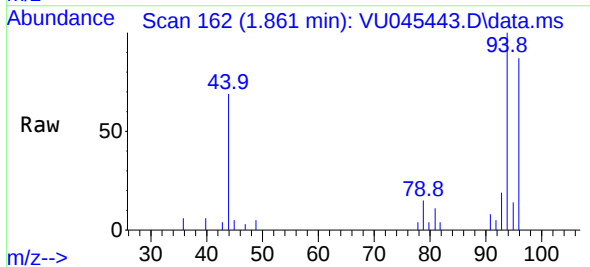
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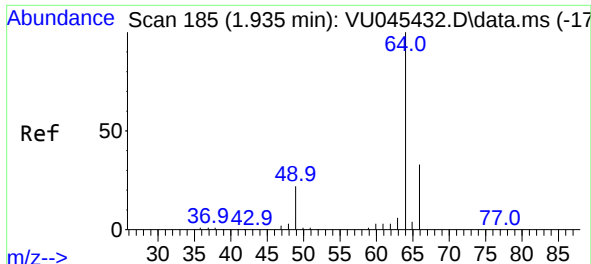
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#6
 Bromomethane
 Concen: 2.689 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VU045443.D
 Acq: 28 Oct 2021 16:29

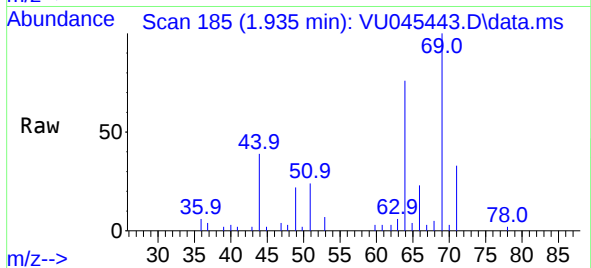
Tgt Ion: 94 Resp: 4300
 Ion Ratio Lower Upper
 94 100
 96 87.4 64.9 120.5





#8
Chloroethane
Concen: 3.086 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

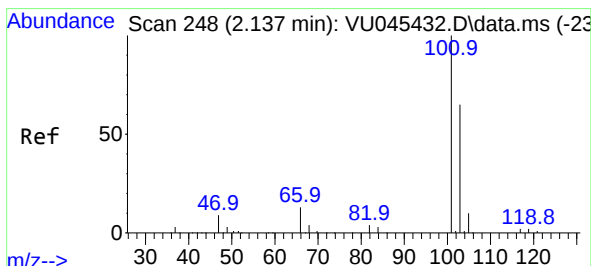
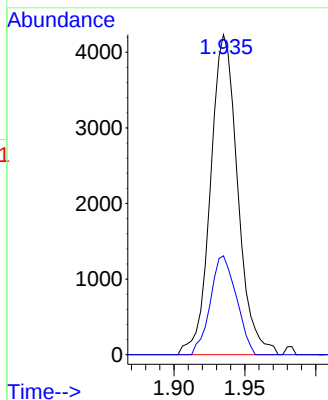
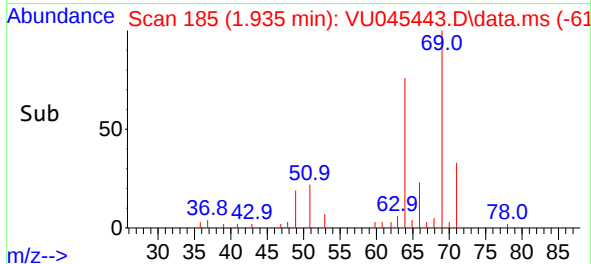
Instrument :
MSVOA_U
ClientSampled :
MDL02



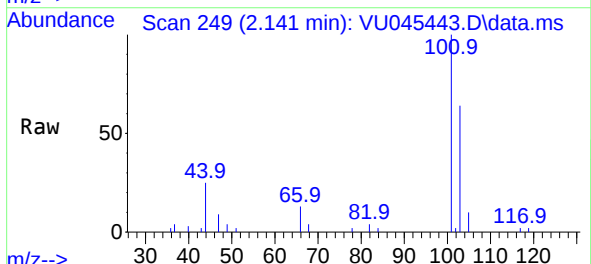
Tgt Ion: 64 Resp: 5666
Ion Ratio Lower Upper
64 100
66 30.9 23.2 43.2

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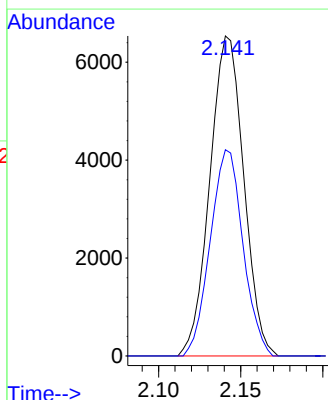
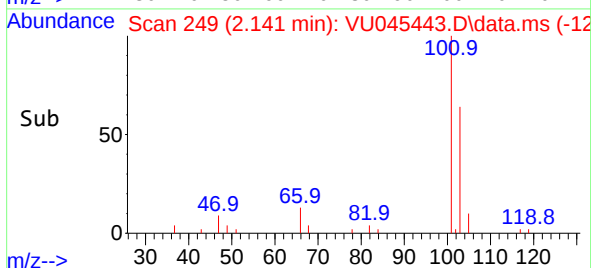
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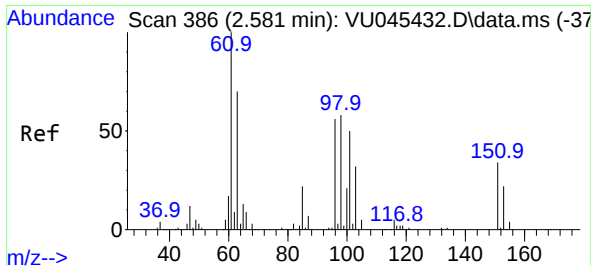


#9
Trichlorofluoromethane
Concen: 2.552 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29



Tgt Ion: 101 Resp: 9385
Ion Ratio Lower Upper
101 100
103 62.2 51.4 77.2





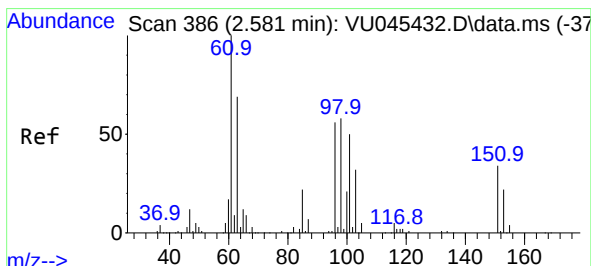
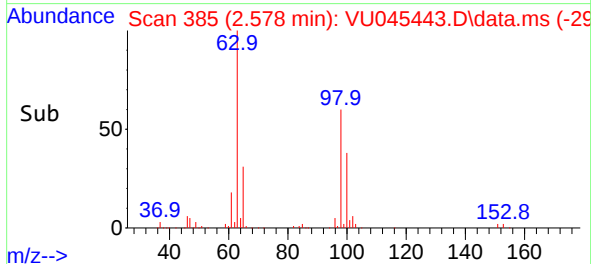
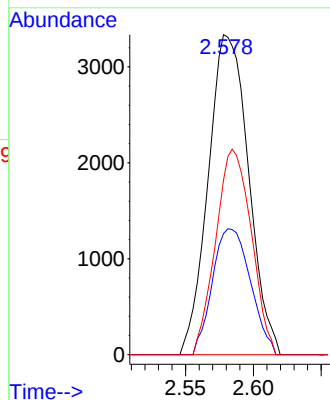
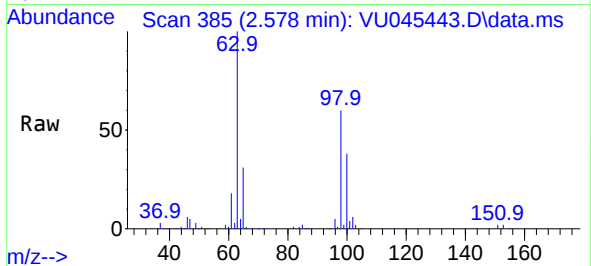
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.075 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 101 Resp: 6891
Ion Ratio Lower Upper
101 100
85 37.2 34.8 52.2
151 56.8 54.6 81.8

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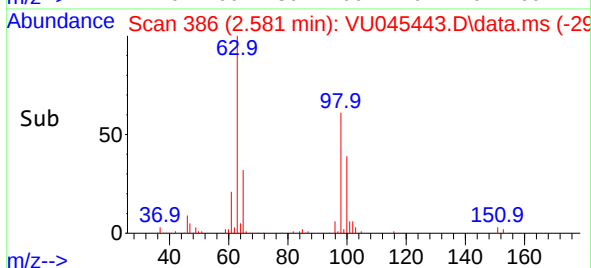
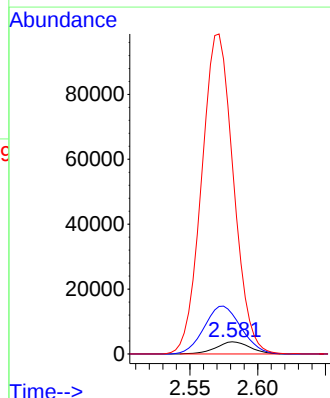
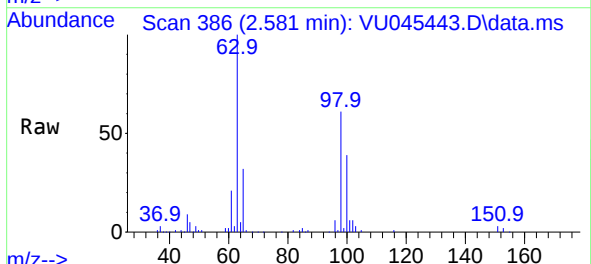
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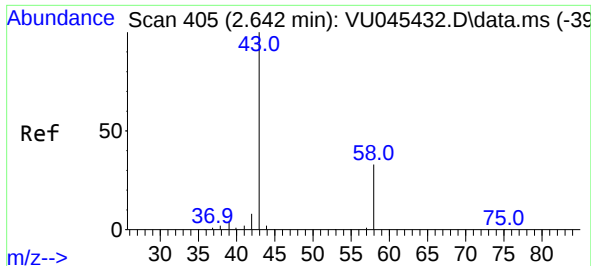
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#12
1,1-Dichloroethene
Concen: 3.075 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 96 Resp: 6503
Ion Ratio Lower Upper
96 100
61 328.6 126.3 234.5#
63 1576.4 89.2 165.8#





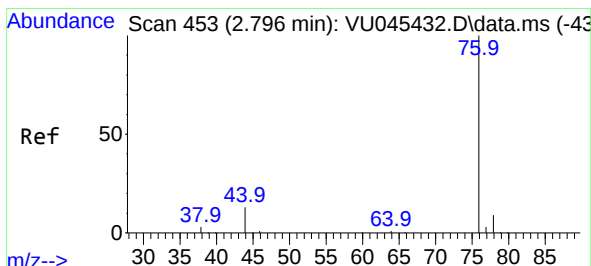
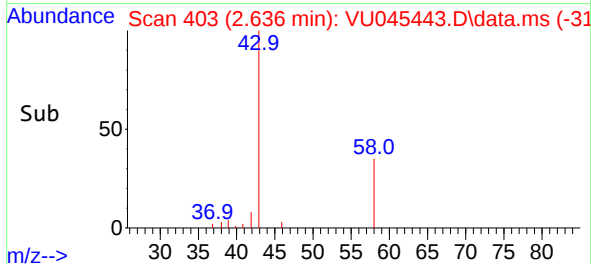
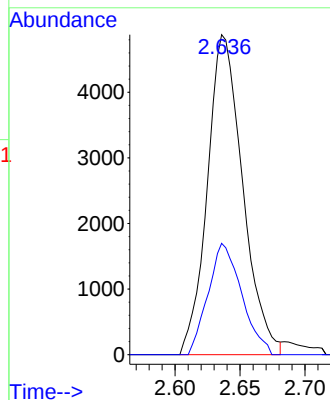
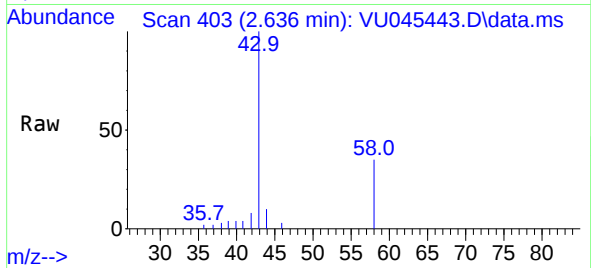
#13
Acetone
Concen: 5.333 ug/L
RT: 2.636 min Scan# 403
Delta R.T. -0.006 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

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Tgt Ion: 43 Resp: 9229
Ion Ratio Lower Upper
43 100
58 33.0 0.0 66.2

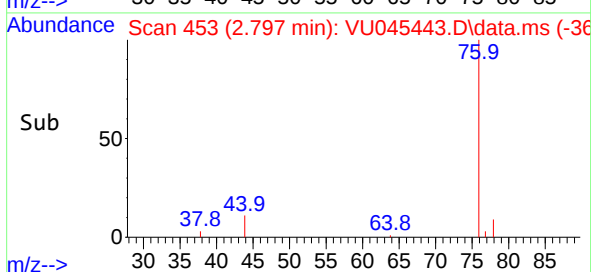
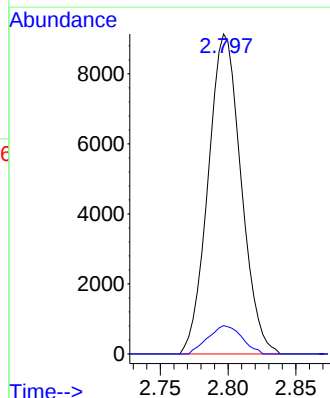
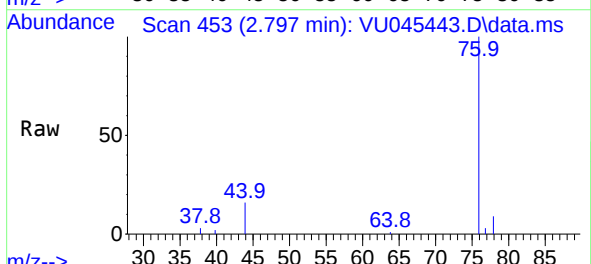
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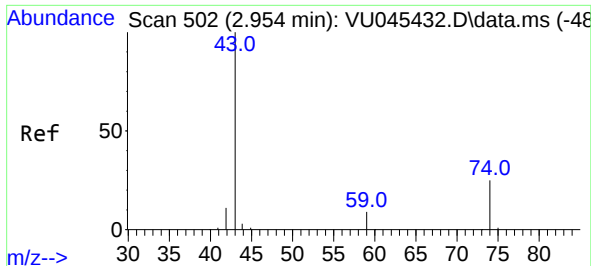
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#14
Carbon disulfide
Concen: 2.560 ug/L
RT: 2.797 min Scan# 453
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 76 Resp: 15476
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9





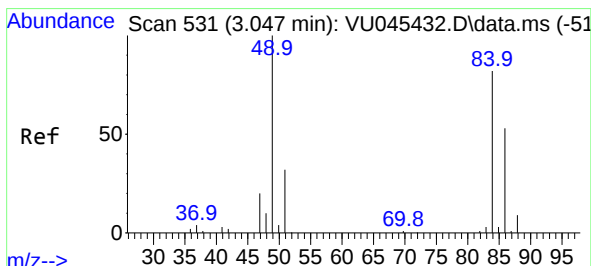
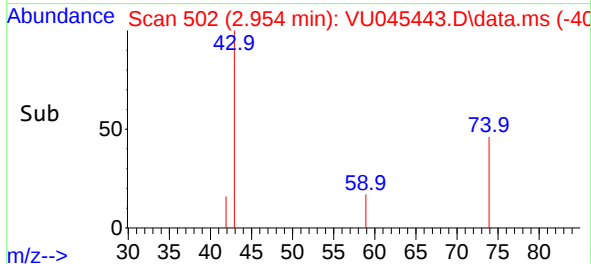
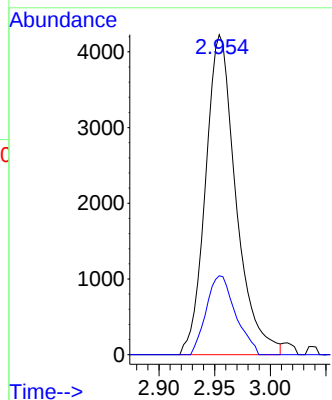
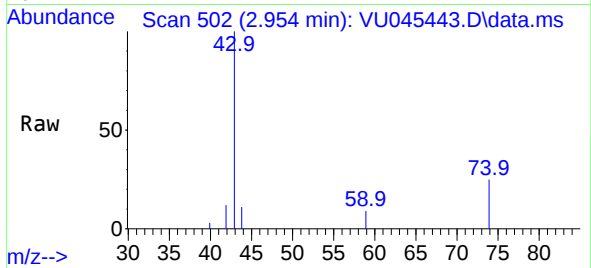
#15
Methyl Acetate
Concen: 2.750 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 43 Resp: 8042
Ion Ratio Lower Upper
43 100
74 23.6 20.0 30.0

Instrument :
MSVOA_U
ClientSampled :
MDL02

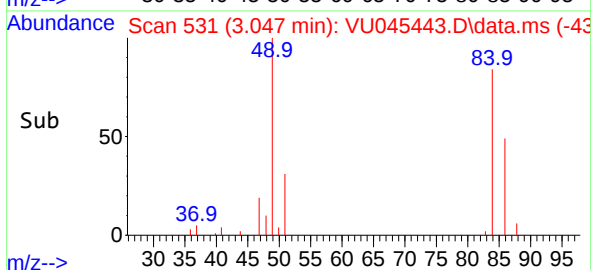
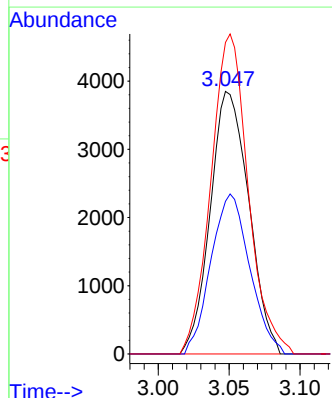
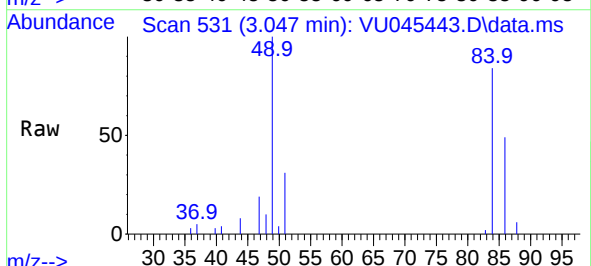
Manual Integrations
APPROVED

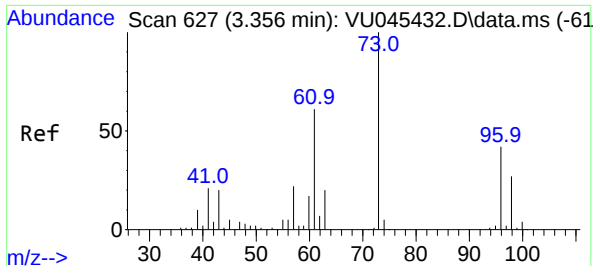
SAM
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#16
Methylene chloride
Concen: 2.793 ug/L
RT: 3.047 min Scan# 531
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 84 Resp: 7289
Ion Ratio Lower Upper
84 100
86 58.1 45.8 85.2
49 118.6 85.9 159.5





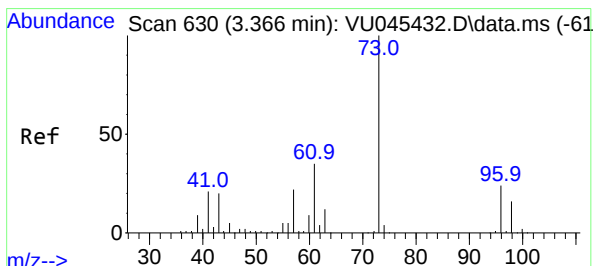
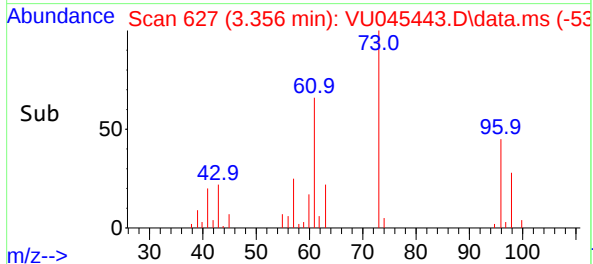
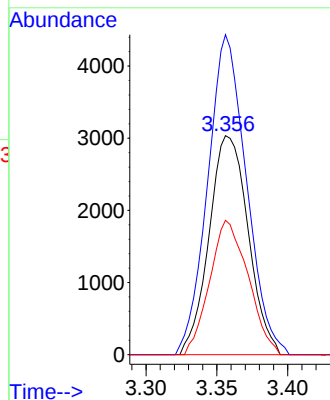
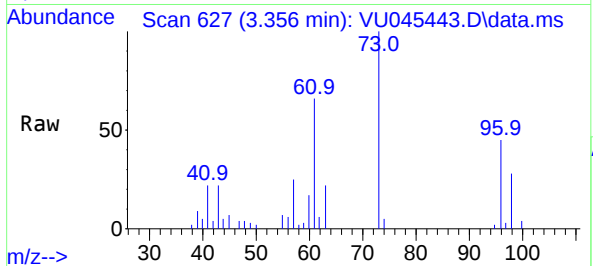
#17
trans-1,2-Dichloroethene
Concen: 2.579 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 96 Resp: 5835
Ion Ratio Lower Upper
96 100
61 146.1 101.8 189.2
98 61.4 45.1 83.7

Instrument :
MSVOA_U
ClientSampled :
MDL02

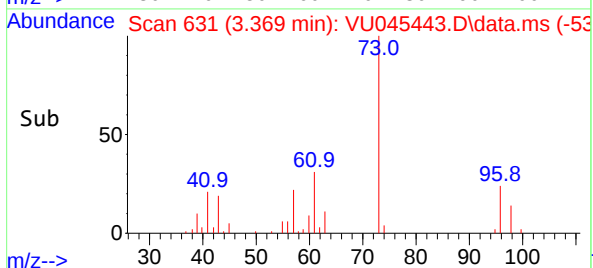
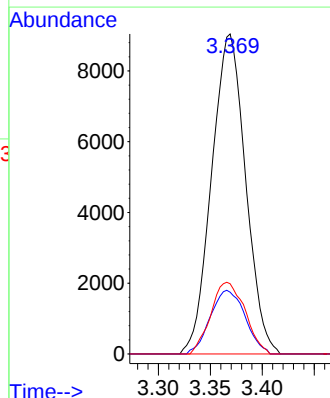
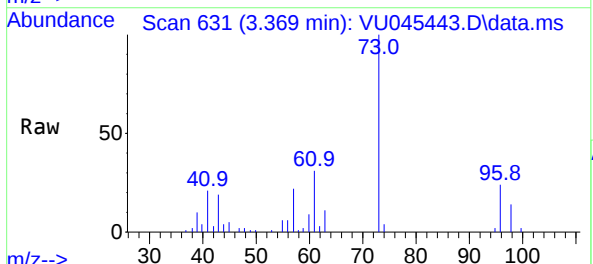
Manual Integrations
APPROVED

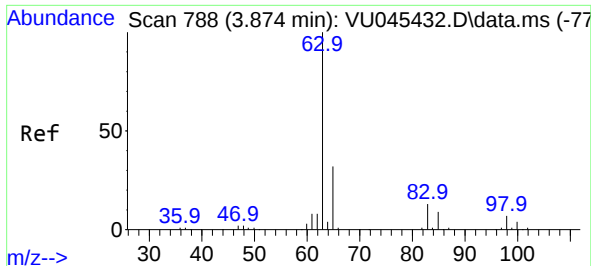
SAM
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#18
Methyl tert-butyl Ether
Concen: 2.594 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 73 Resp: 20581
Ion Ratio Lower Upper
73 100
43 20.5 16.2 24.4
57 22.5 18.1 27.1





#19

1,1-Dichloroethane

Concen: 2.548 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.003 min

Lab File: VU045443.D

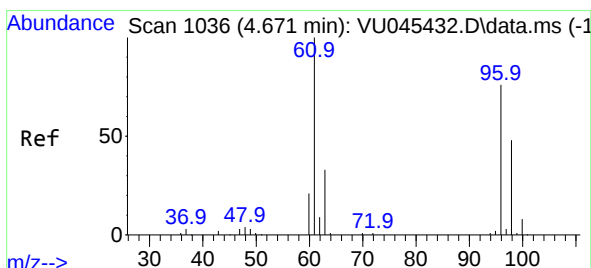
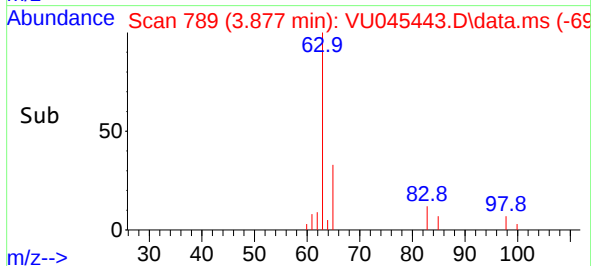
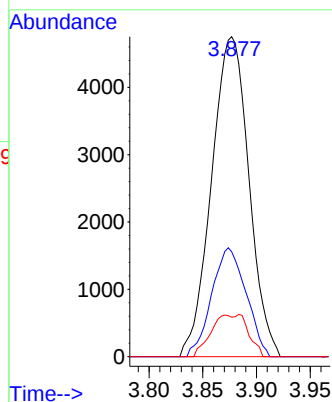
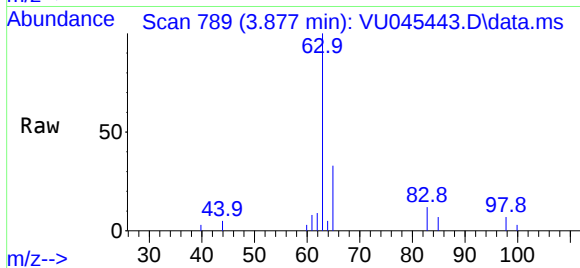
Acq: 28 Oct 2021 16:29

Tgt Ion:	63	Resp:	11489
Ion	Ratio	Lower	Upper
63	100		
65	32.7	22.4	41.6
83	12.3	9.0	16.6

Instrument :
MSVOA_U
ClientSampled :
MDL02

Manual Integrations
APPROVED

SAM
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#20

cis-1,2-Dichloroethene

Concen: 2.610 ug/L

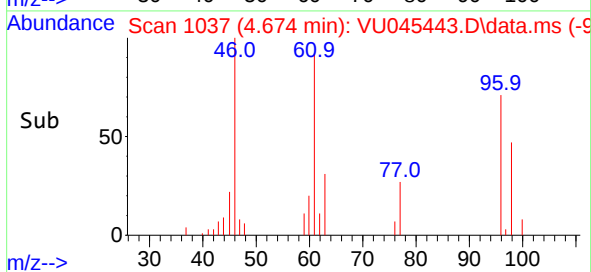
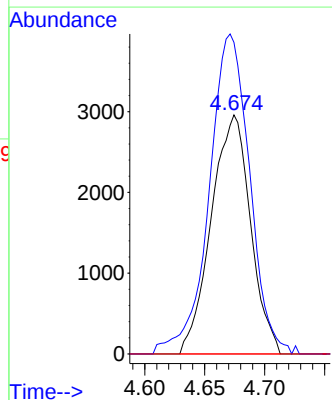
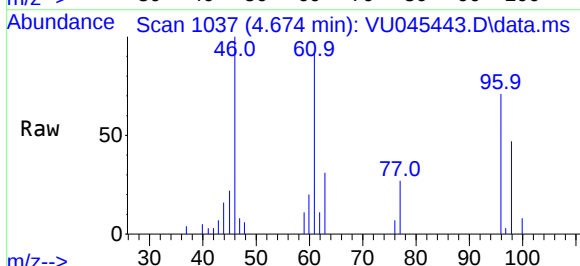
RT: 4.674 min Scan# 1037

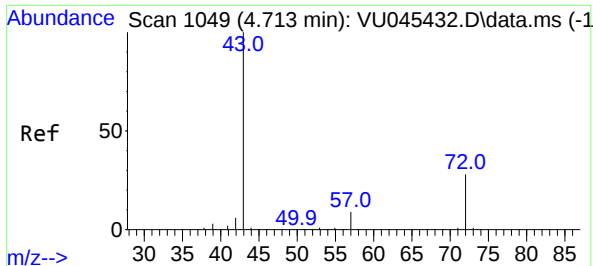
Delta R.T. 0.003 min

Lab File: VU045443.D

Acq: 28 Oct 2021 16:29

Tgt Ion:	96	Resp:	6735
Ion	Ratio	Lower	Upper
96	100		
61	130.3	92.8	172.4
68	0.0	0.0	0.0





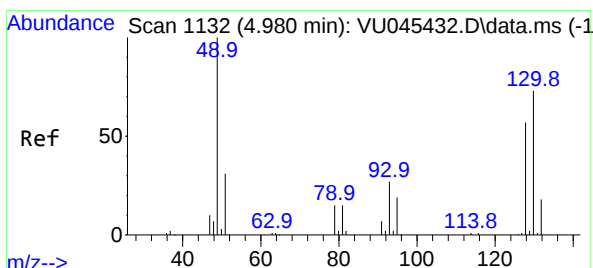
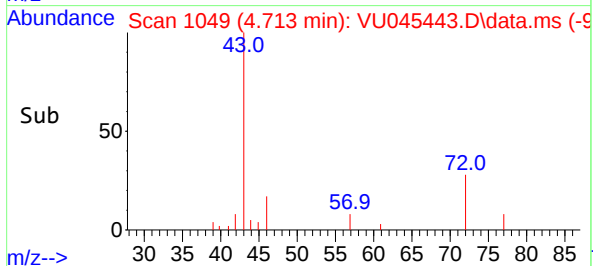
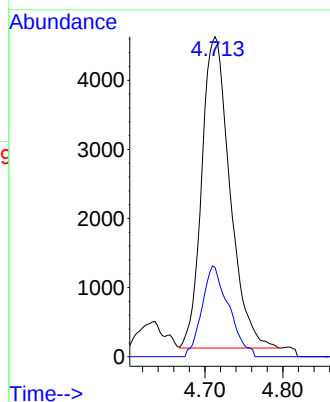
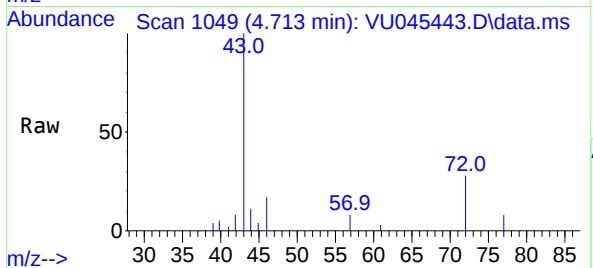
#22
2-Butanone
Concen: 4.794 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 43 Resp: 11331
Ion Ratio Lower Upper
43 100
72 27.6 14.4 43.2

Instrument :
MSVOA_U
ClientSampled :
MDL02

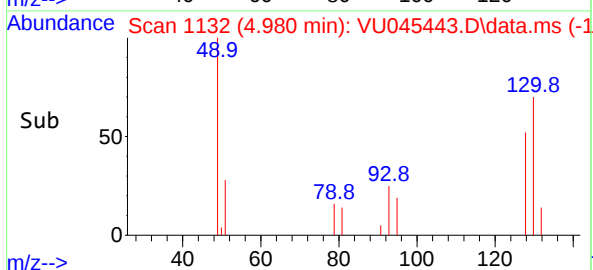
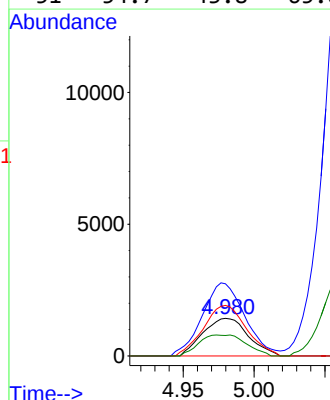
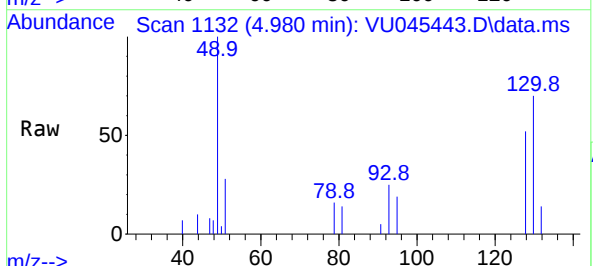
Manual Integrations
APPROVED

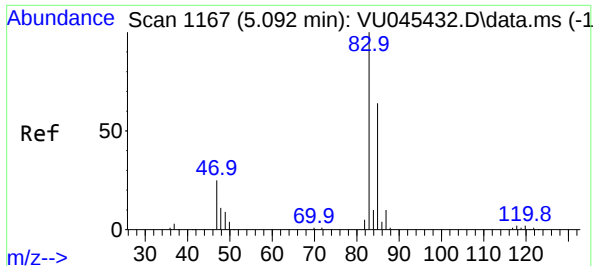
SAM
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#23
Bromochloromethane
Concen: 2.561 ug/L
RT: 4.980 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 128 Resp: 3182
Ion Ratio Lower Upper
128 100
49 192.2 123.1 228.5
130 134.6 89.8 166.8
51 54.7 43.8 65.8





#25

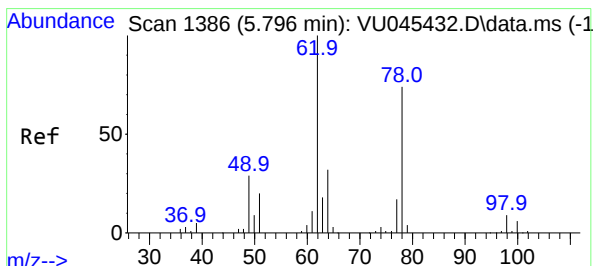
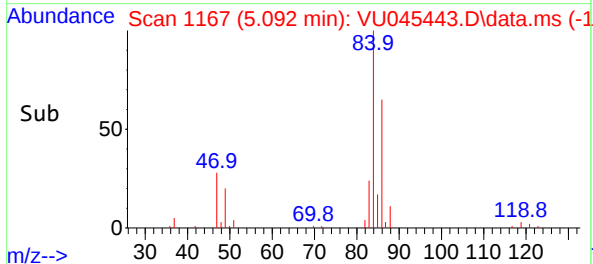
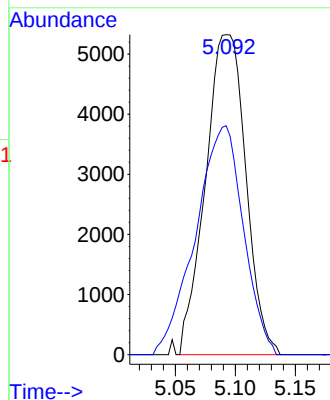
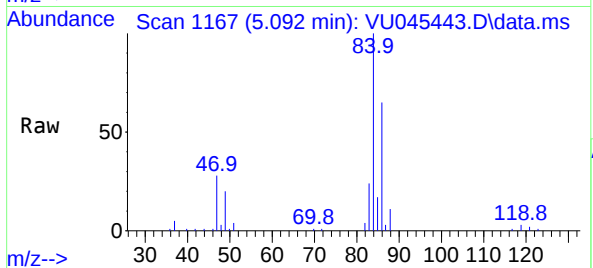
Chloroform
Concen: 2.768 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 83 Resp: 12490
Ion Ratio Lower Upper
83 100
85 71.5 45.0 83.6

Instrument :
MSVOA_U
ClientSampled :
MDL02

Manual Integrations
APPROVED

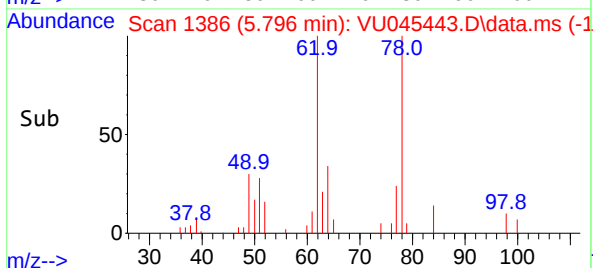
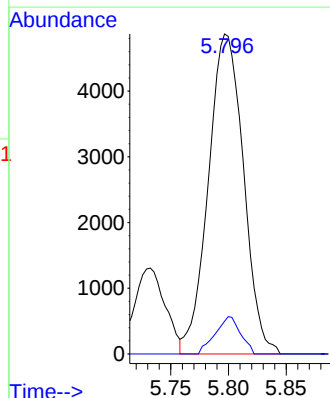
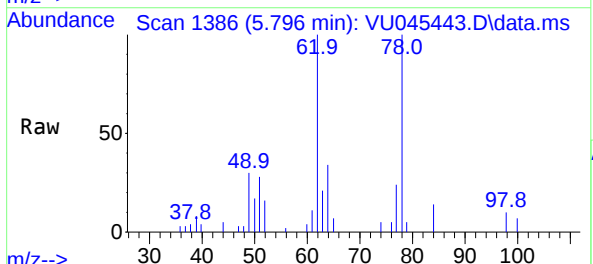
SAM
11/2/2021 5:49:53 PM

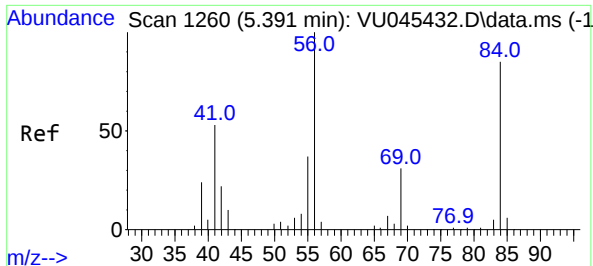


#27

1,2-Dichloroethane
Concen: 2.790 ug/L
RT: 5.796 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 62 Resp: 10299
Ion Ratio Lower Upper
62 100
98 10.2 7.4 11.0





#29

Cyclohexane

Concen: 2.510 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. 0.000 min

Lab File: VU045443.D

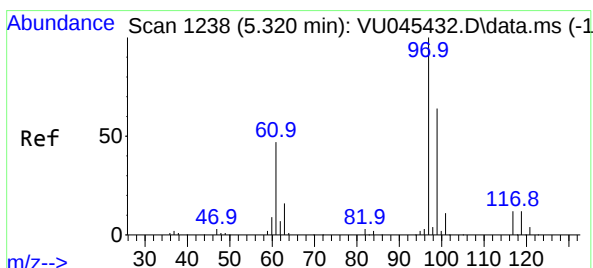
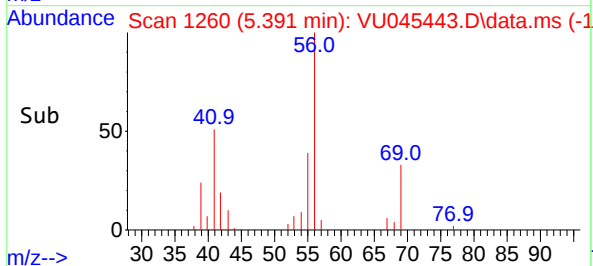
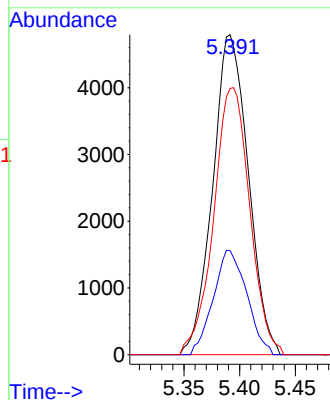
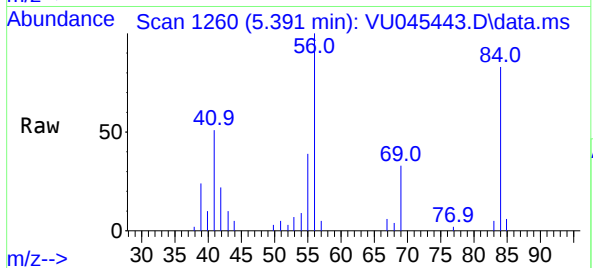
Acq: 28 Oct 2021 16:29

Tgt Ion:	56	Resp:	10674
Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.0	37.4
84	84.4	69.9	104.9

Instrument :
MSVOA_U
ClientSampled :
MDL02

Manual Integrations
APPROVED

SAM
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#30

1,1,1-Trichloroethane

Concen: 2.511 ug/L

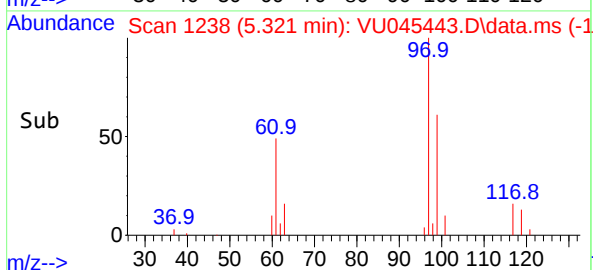
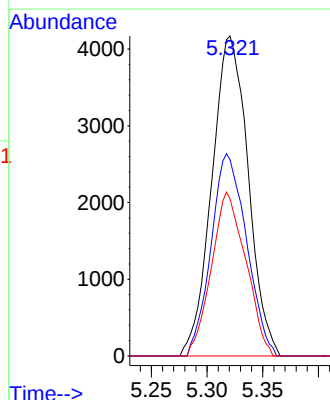
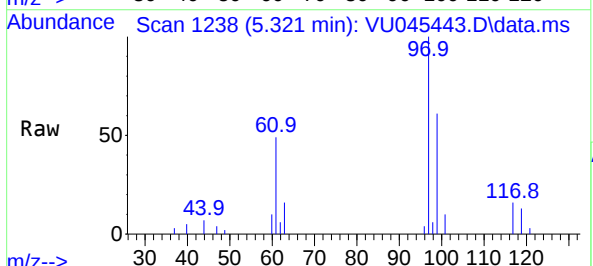
RT: 5.321 min Scan# 1238

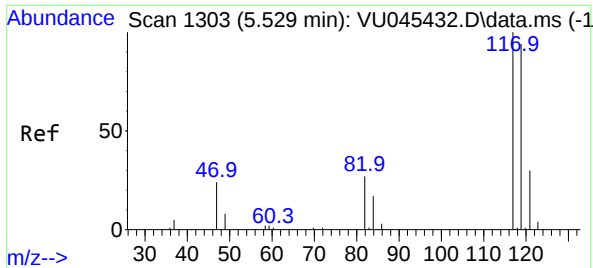
Delta R.T. 0.000 min

Lab File: VU045443.D

Acq: 28 Oct 2021 16:29

Tgt Ion:	97	Resp:	9462
Ion	Ratio	Lower	Upper
97	100		
99	61.7	51.3	76.9
61	48.3	38.8	58.2





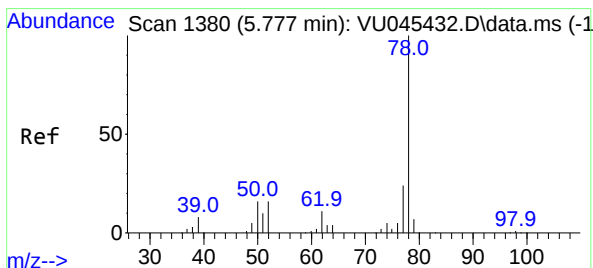
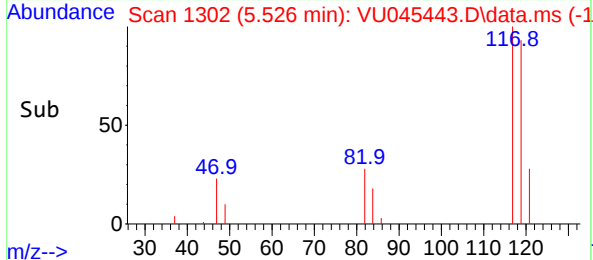
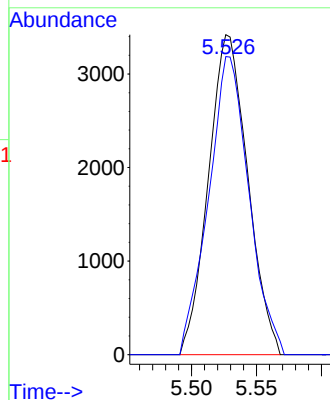
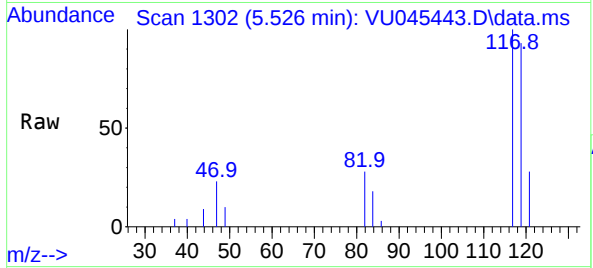
#31
Carbon tetrachloride
Concen: 2.413 ug/L
RT: 5.526 min Scan# 1302
Delta R.T. -0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion:117 Resp: 7189
Ion Ratio Lower Upper
117 100
119 95.7 77.0 115.4

Instrument :
MSVOA_U
ClientSampled :
MDL02

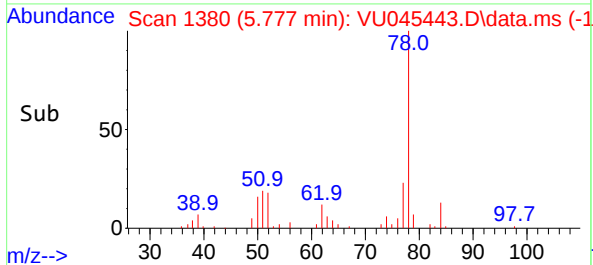
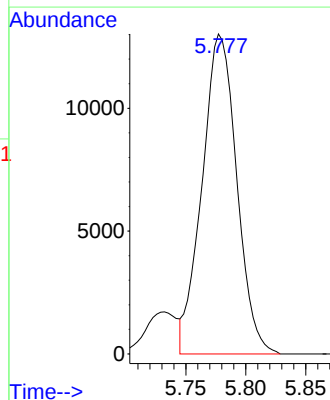
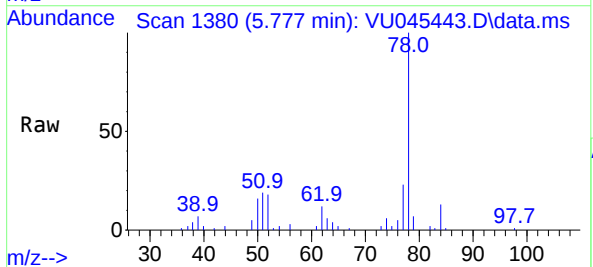
Manual Integrations
APPROVED

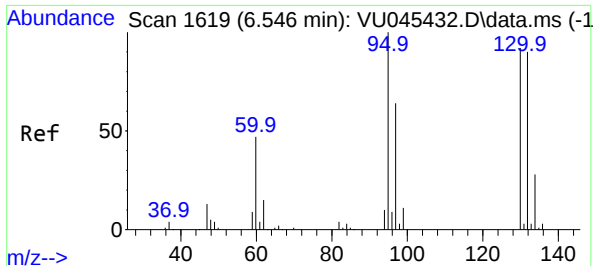
SAM
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#33
Benzene
Concen: 2.541 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 78 Resp: 26146





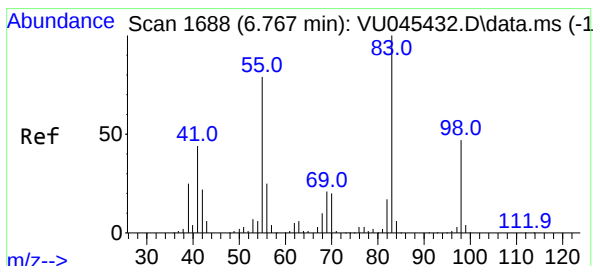
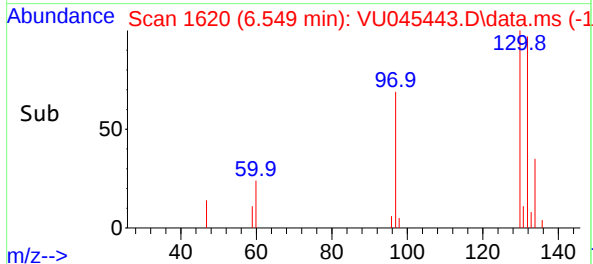
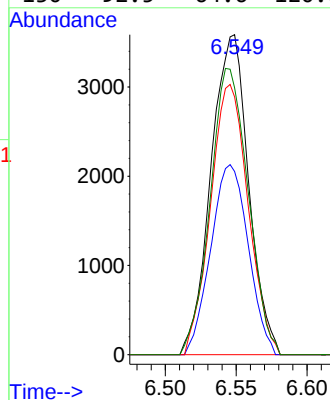
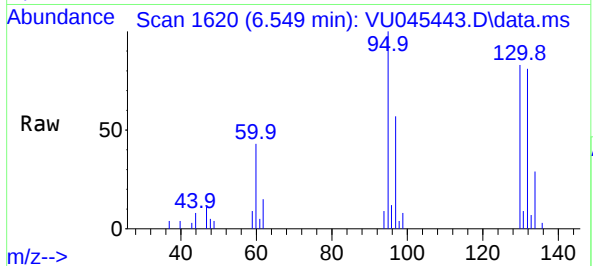
#34
Trichloroethene
Concen: 2.682 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. 0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 95 Resp: 6626
Ion Ratio Lower Upper
95 100
97 57.2 45.0 83.6
132 80.5 63.3 117.7
130 92.5 64.6 120.0

Instrument :
MSVOA_U
ClientSampled :
MDL02

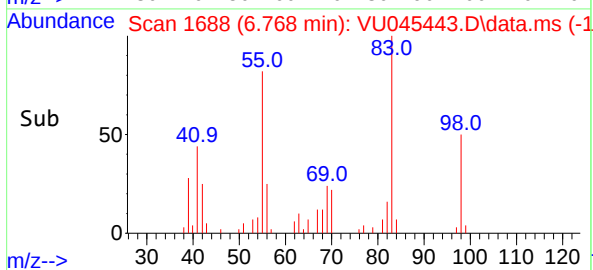
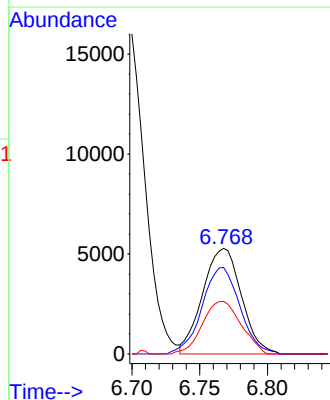
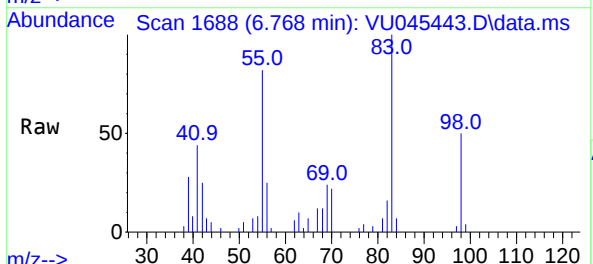
Manual Integrations
APPROVED

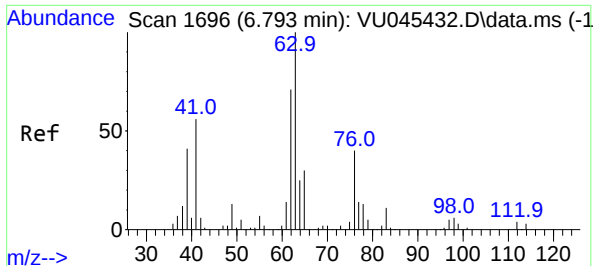
SAM
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#35
Methylcyclohexane
Concen: 2.449 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 83 Resp: 10510
Ion Ratio Lower Upper
83 100
55 80.0 62.8 94.2
98 49.6 37.4 56.2





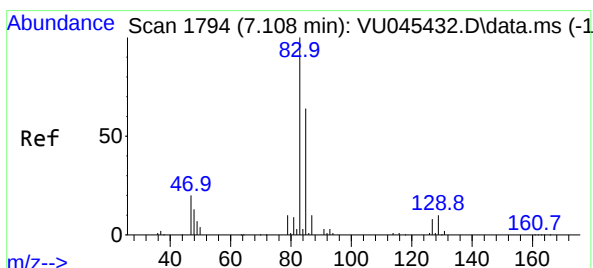
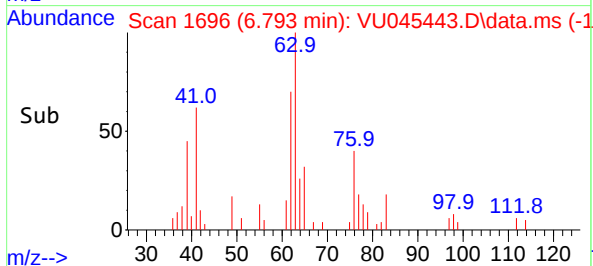
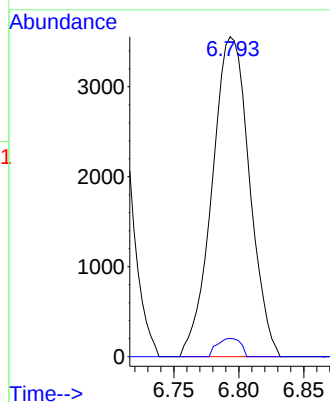
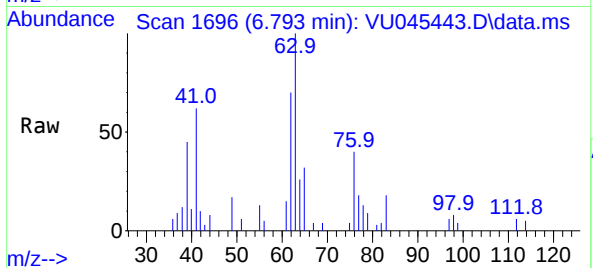
#37
1,2-Dichloropropane
Concen: 2.605 ug/L
RT: 6.793 min Scan# 1696
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 63 Resp: 7118
Ion Ratio Lower Upper
63 100
112 3.6 3.4 5.2

Instrument :
MSVOA_U
ClientSampled :
MDL02

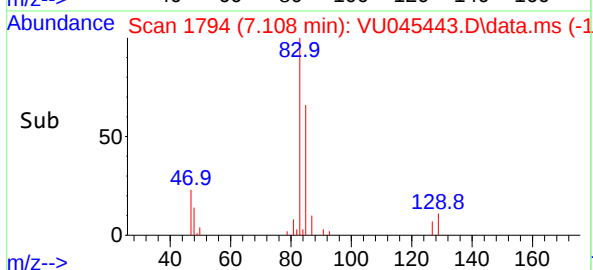
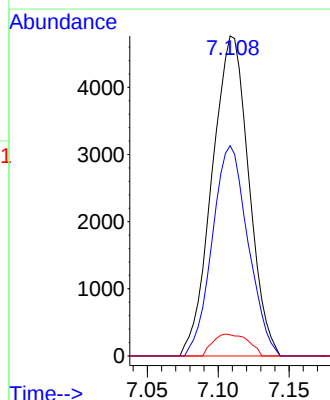
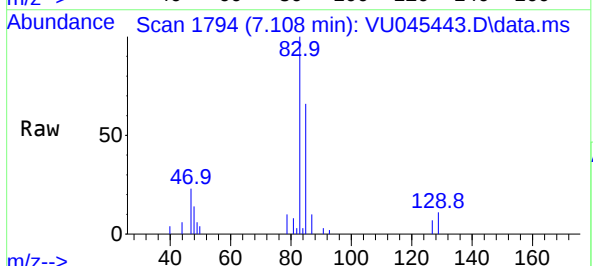
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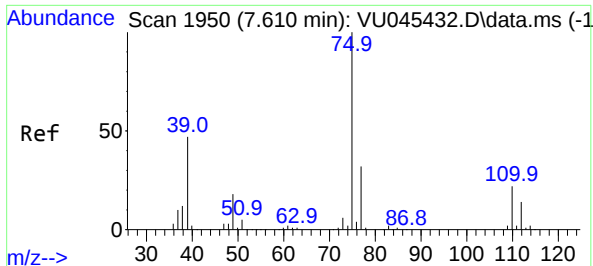
SAM
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#38
Bromodichloromethane
Concen: 2.502 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 83 Resp: 8595
Ion Ratio Lower Upper
83 100
85 65.7 45.1 83.9
127 6.6 6.2 9.2





#39

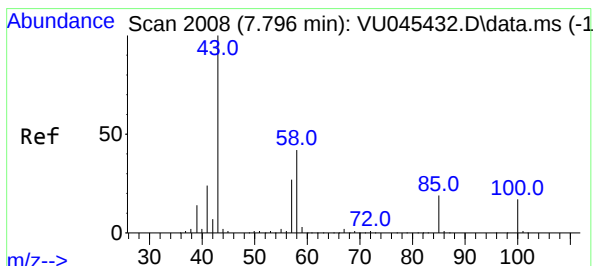
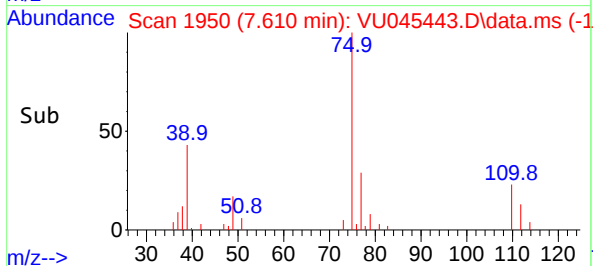
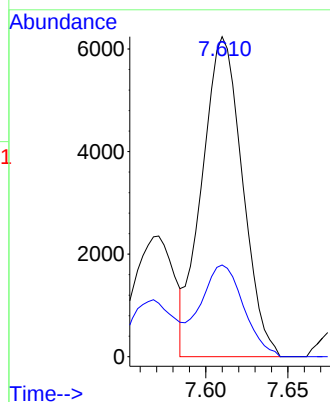
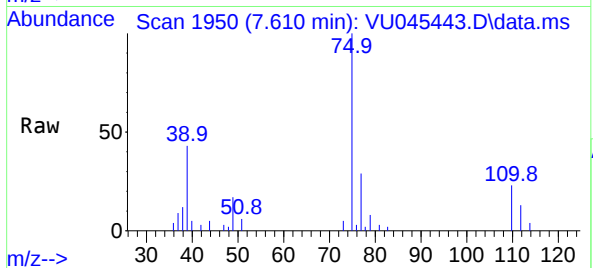
cis-1,3-Dichloropropene
Concen: 2.561 ug/L
RT: 7.610 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 75 Resp: 10705
Ion Ratio Lower Upper
75 100
77 30.5 22.7 42.1

Instrument :
MSVOA_U
ClientSampled :
MDL02

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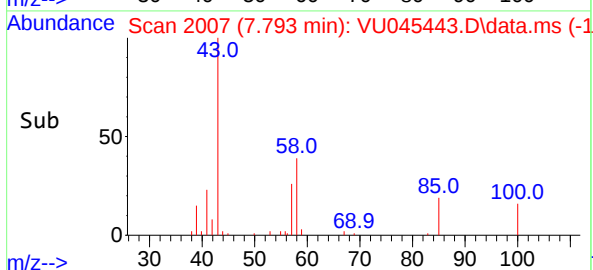
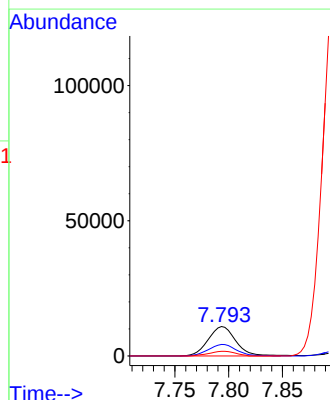
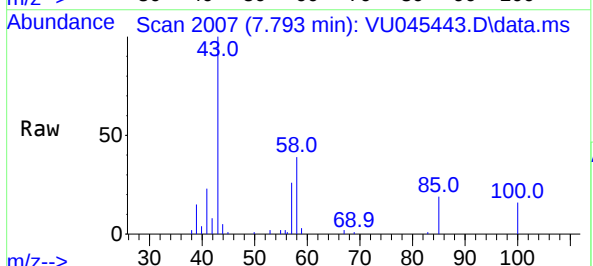
SAM
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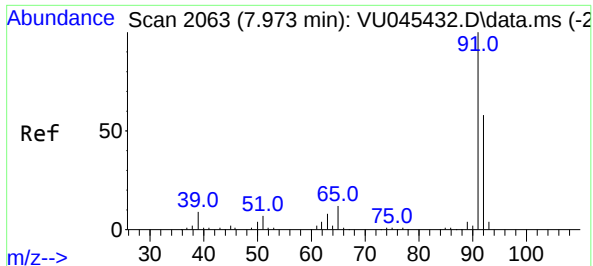


#40

4-Methyl-2-pentanone
Concen: 4.821 ug/L
RT: 7.793 min Scan# 2007
Delta R.T. -0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 43 Resp: 19438
Ion Ratio Lower Upper
43 100
58 39.2 33.9 50.9
100 15.2 13.3 19.9





#42

Toluene

Concen: 3.060 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU045443.D

Acq: 28 Oct 2021 16:29

Tgt Ion: 91 Resp: 32770

Ion Ratio Lower Upper

91 100

92 56.6 40.7 75.7

Instrument :

MSVOA_U

ClientSampled :

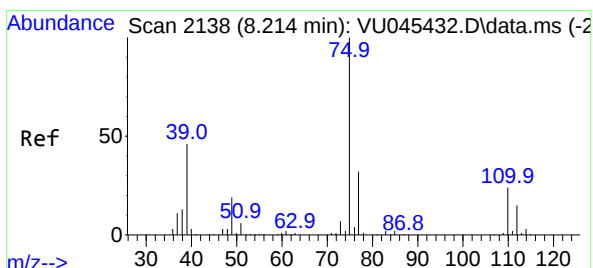
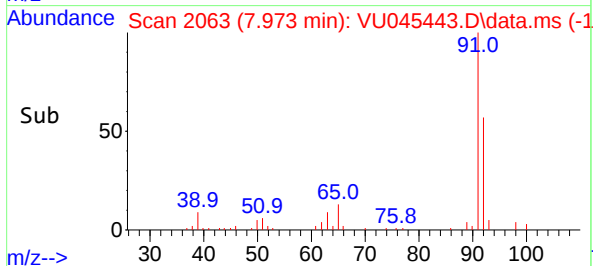
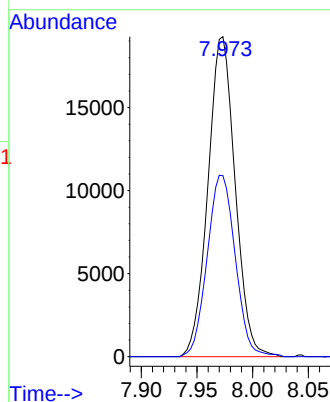
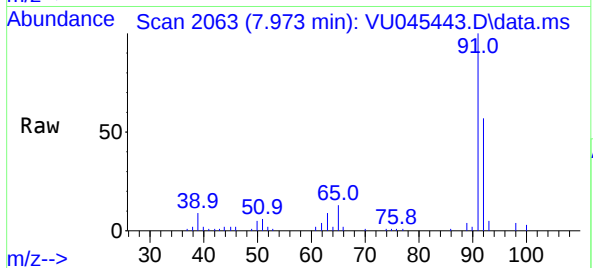
MDL02

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#44

trans-1,3-Dichloropropene

Concen: 2.595 ug/L m

RT: 8.211 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VU045443.D

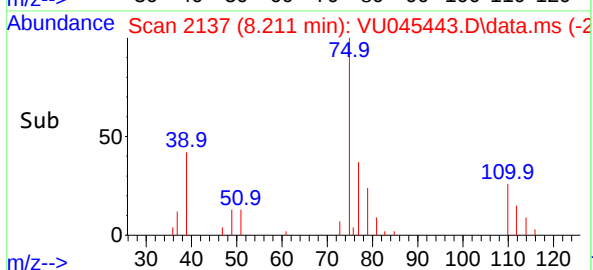
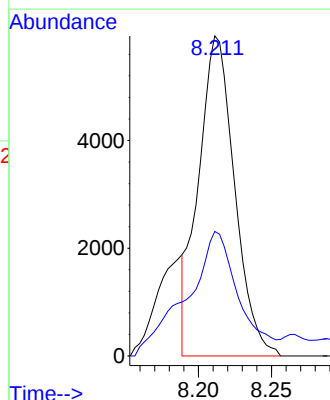
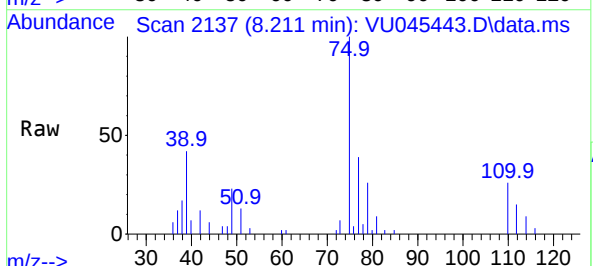
Acq: 28 Oct 2021 16:29

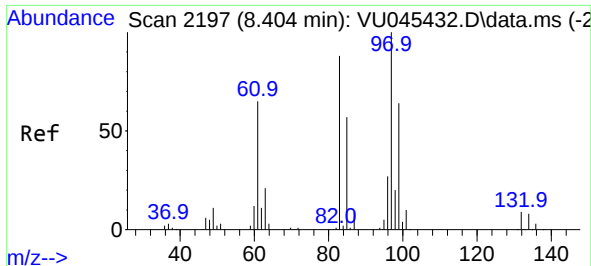
Tgt Ion: 75 Resp: 10226

Ion Ratio Lower Upper

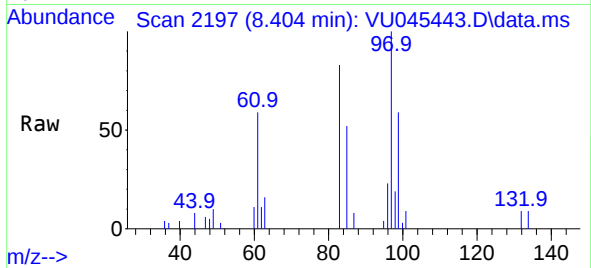
75 100

77 38.9 22.7 42.1



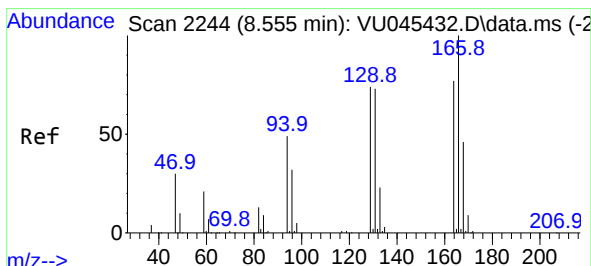
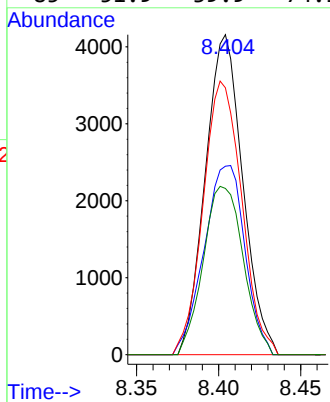
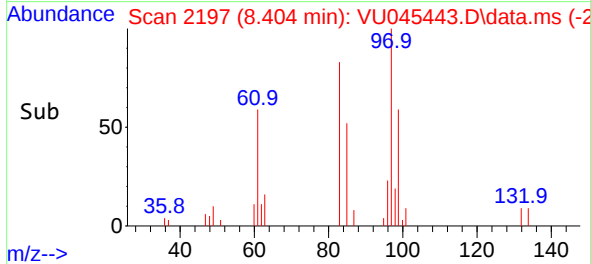


#45
1,1,2-Trichloroethane
Concen: 2.598 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

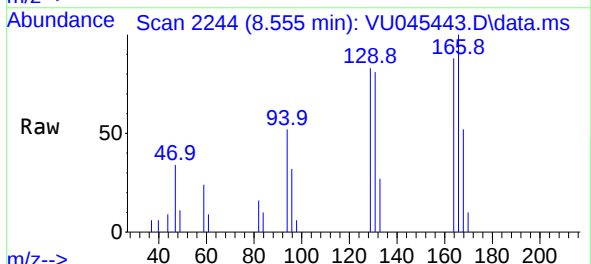


Tgt Ion: 97 Resp: 6592

Ion	Ratio	Lower	Upper
97	100		
99	58.9	44.7	82.9
83	83.4	61.5	114.1
85	51.9	39.9	74.1

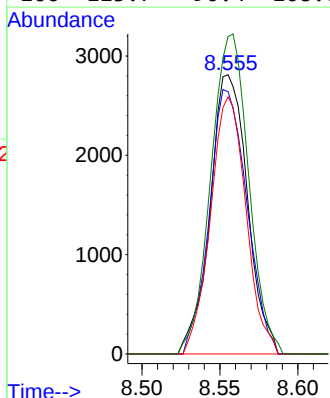
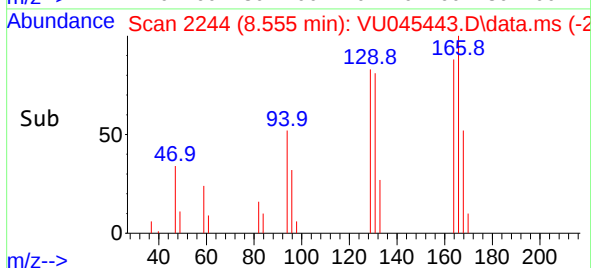


#46
Tetrachloroethene
Concen: 2.664 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29



Tgt Ion: 164 Resp: 4668

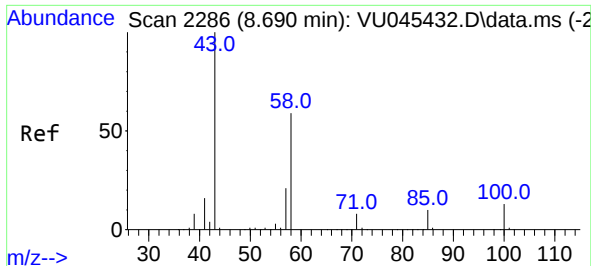
Ion	Ratio	Lower	Upper
164	100		
129	93.9	66.8	124.2
131	92.1	65.6	121.8
166	113.7	90.4	168.0



Instrument :
MSVOA_U
ClientSampled :
MDL02

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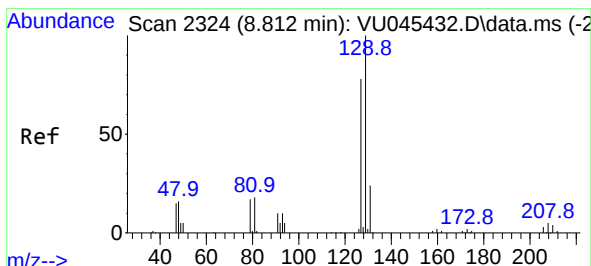
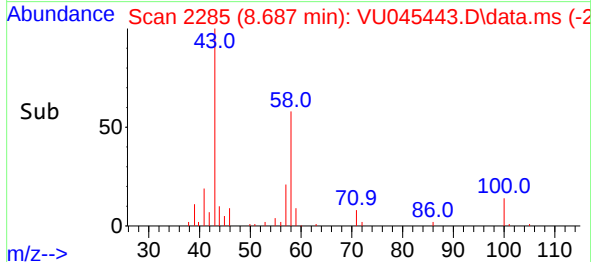
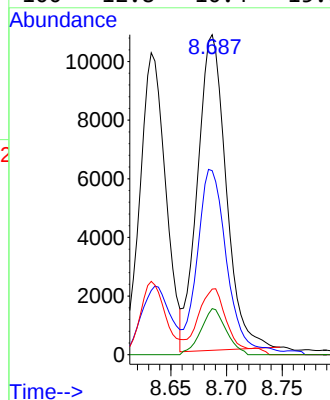
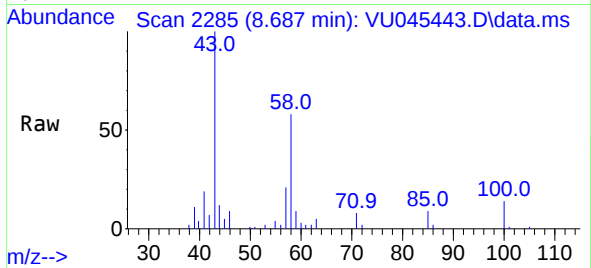
#48
2-Hexanone
Concen: 5.733 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 43 Resp: 19254
Ion Ratio Lower Upper
43 100
58 58.8 47.0 70.4
57 18.0 16.3 24.5
100 12.8 10.4 15.6

Instrument :
MSVOA_U
ClientSampled :
MDL02

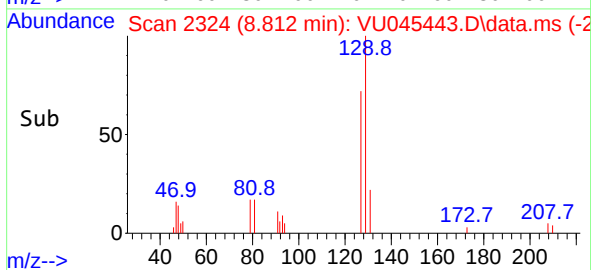
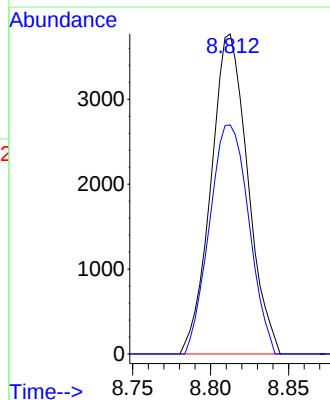
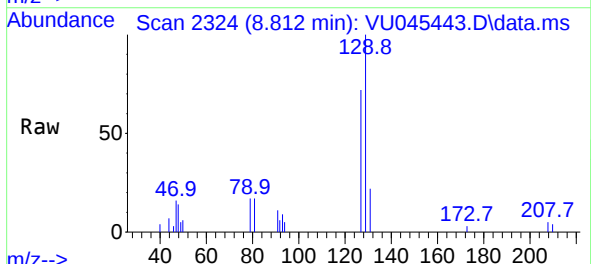
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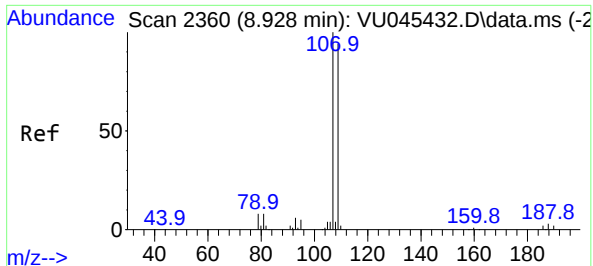
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#49
Dibromochloromethane
Concen: 2.536 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

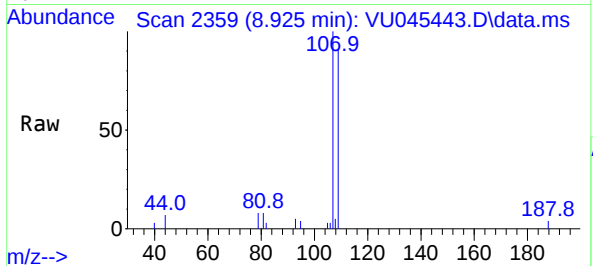
Tgt Ion: 129 Resp: 6201
Ion Ratio Lower Upper
129 100
127 71.6 54.9 101.9





#50
1,2-Dibromoethane
Concen: 2.593 ug/L
RT: 8.925 min Scan# 2359
Delta R.T. -0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

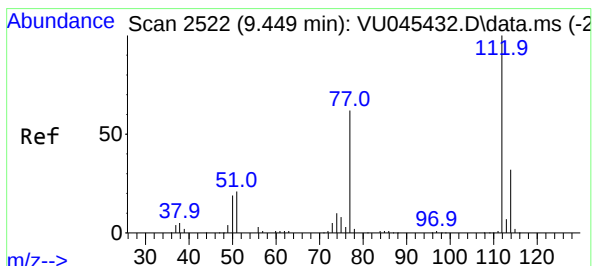
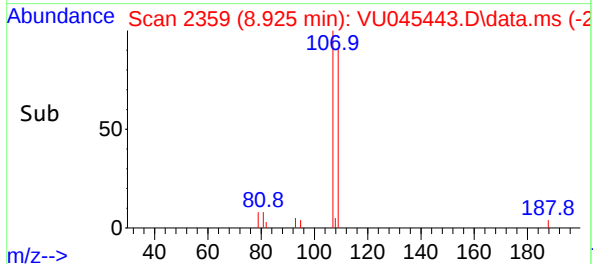
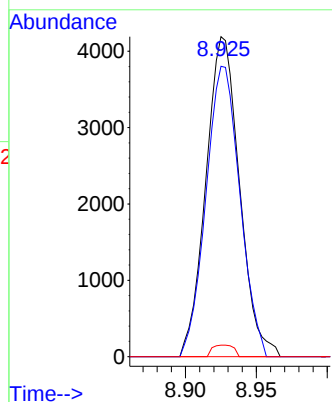
Instrument :
MSVOA_U
ClientSampleId :
MDL02



Tgt Ion:	107	Resp:	6905
Ion	Ratio	Lower	Upper
107	100		
109	90.8	66.1	122.8
188	3.6	2.8	4.2

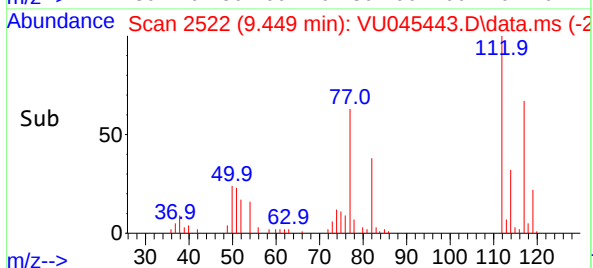
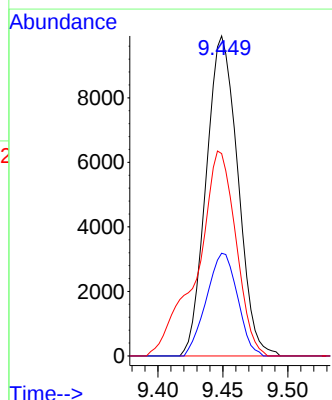
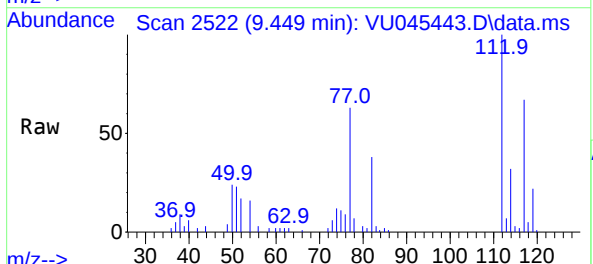
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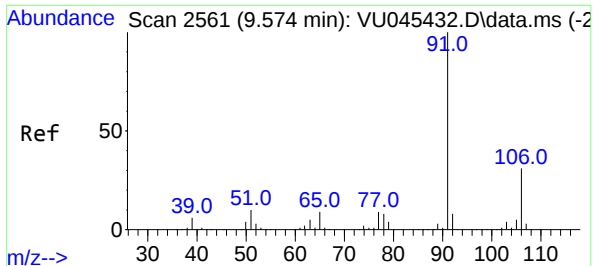
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#51
Chlorobenzene
Concen: 2.594 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion:	112	Resp:	16787
Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.5	41.7
77	63.3	49.8	74.6





#52

Ethylbenzene

Concen: 2.440 ug/L

RT: 9.571 min Scan# 2560

Delta R.T. -0.003 min

Lab File: VU045443.D

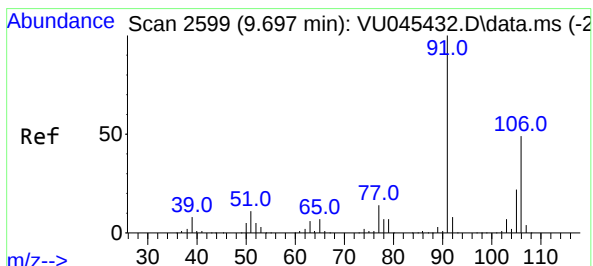
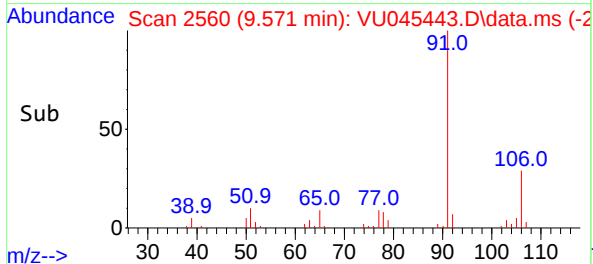
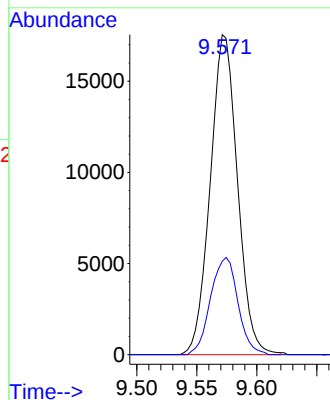
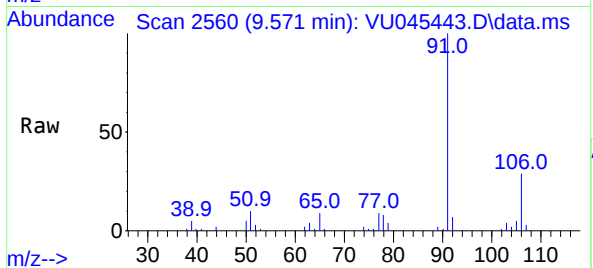
Acq: 28 Oct 2021 16:29

Tgt Ion: 91 Resp: 27719

Ion Ratio Lower Upper

91 100

106 29.2 21.7 40.3



#53

m,p-Xylene

Concen: 2.458 ug/L

RT: 9.697 min Scan# 2599

Delta R.T. 0.000 min

Lab File: VU045443.D

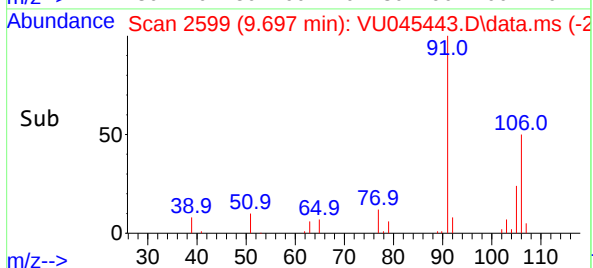
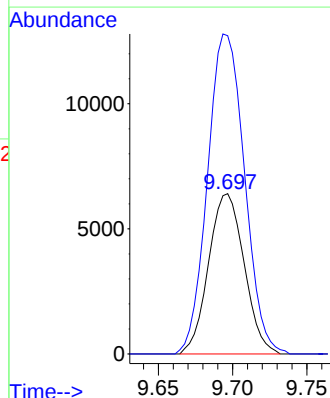
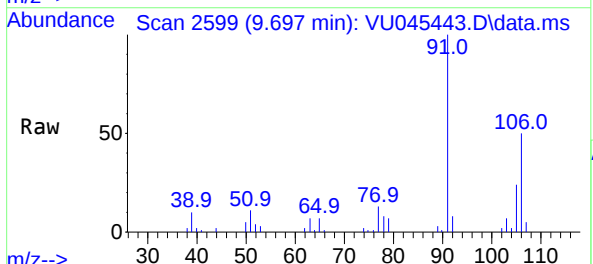
Acq: 28 Oct 2021 16:29

Tgt Ion: 106 Resp: 10682

Ion Ratio Lower Upper

106 100

91 198.5 142.2 264.2



Instrument :

MSVOA_U

ClientSampleId :

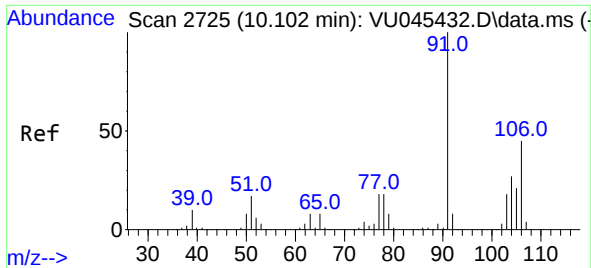
MDL02

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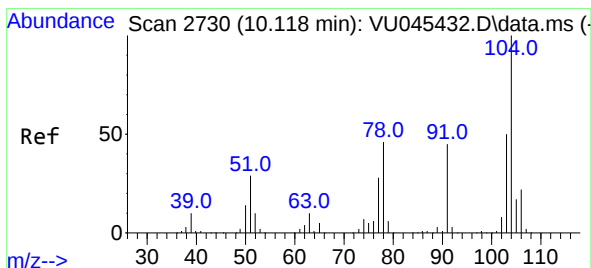
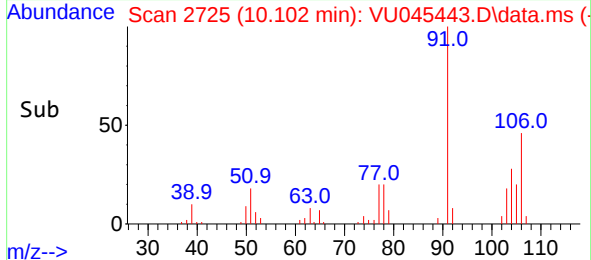
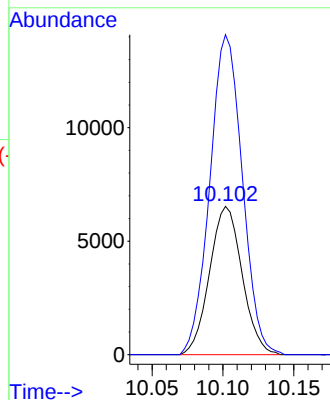
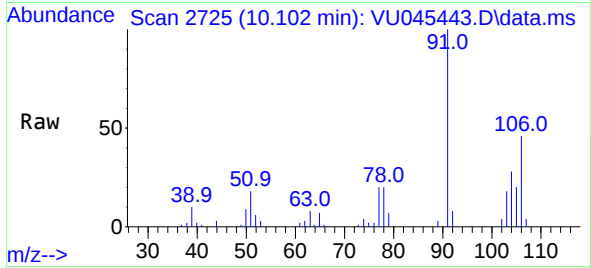
#54
o-xylene
Concen: 2.426 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion:106 Resp: 10444
Ion Ratio Lower Upper
106 100
91 215.7 155.2 288.2

Instrument :
MSVOA_U
ClientSampled :
MDL02

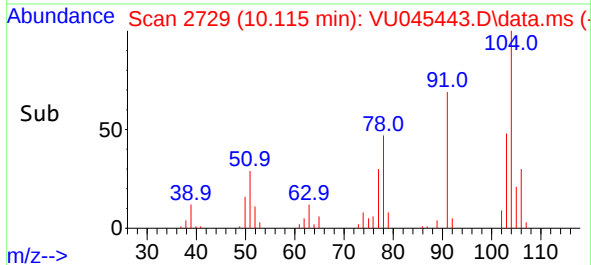
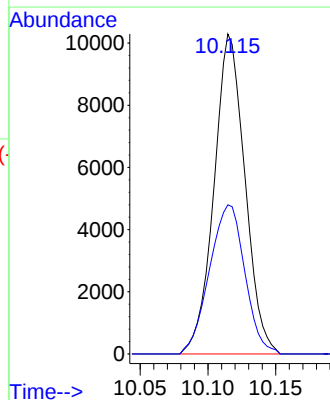
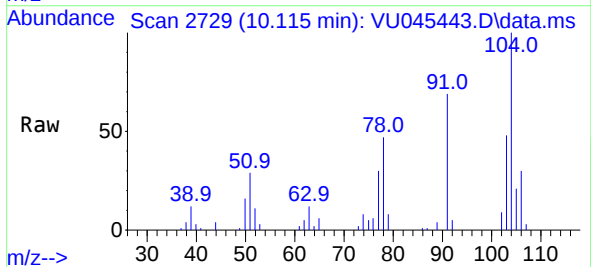
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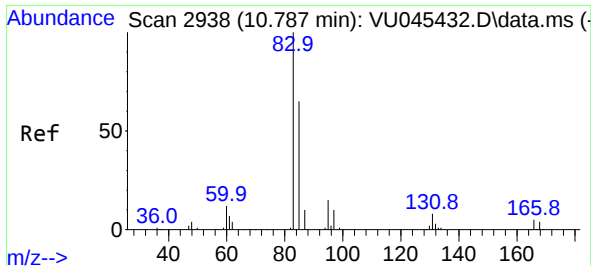
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#55
Styrene
Concen: 2.257 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion:104 Resp: 16322
Ion Ratio Lower Upper
104 100
78 46.6 32.6 60.6





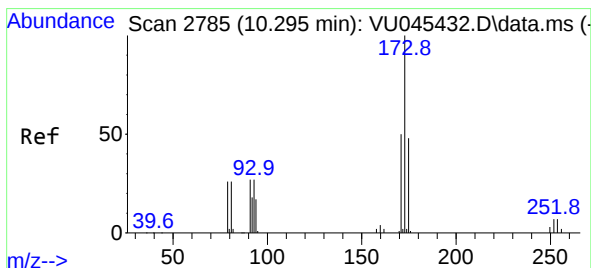
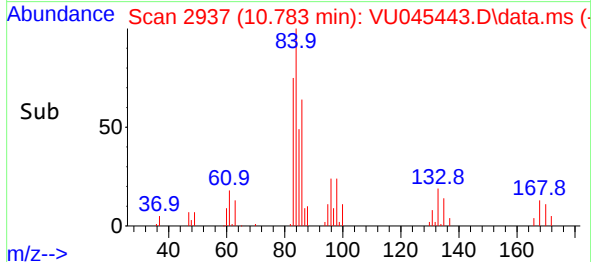
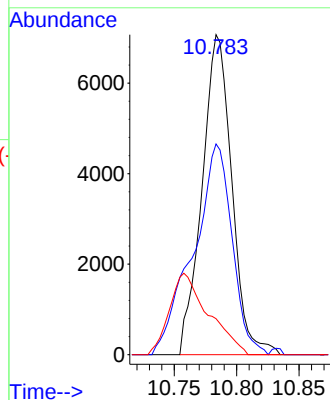
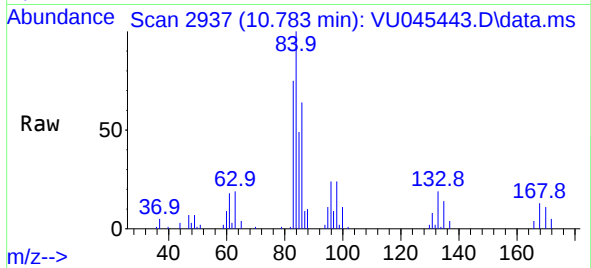
#57
1,1,2,2-Tetrachloroethane
Concen: 2.607 ug/L
RT: 10.783 min Scan# 2937
Delta R.T. -0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion: 83 Resp: 11749
Ion Ratio Lower Upper
83 100
85 65.9 46.0 85.4
131 11.3 7.0 10.4#

Instrument :
MSVOA_U
ClientSampleId :
MDL02

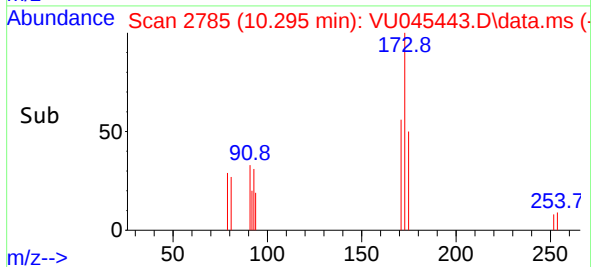
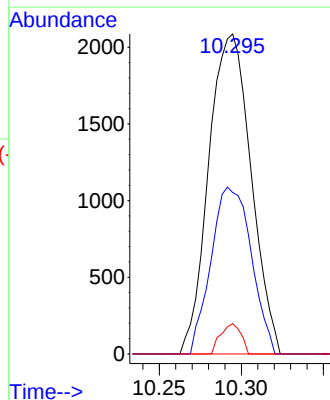
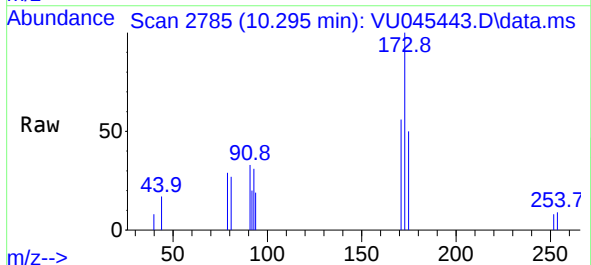
Manual Integrations
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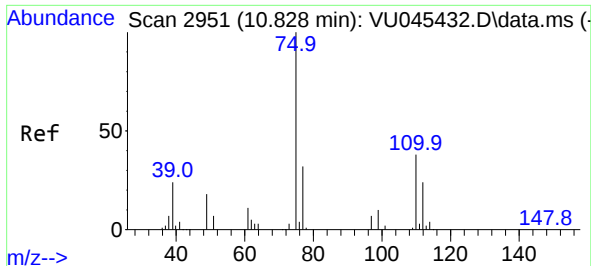
SAM
11/2/2021 5:49:53 PM



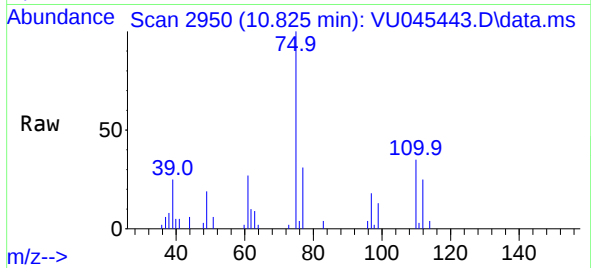
#59
Bromoform
Concen: 2.253 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion:173 Resp: 3738
Ion Ratio Lower Upper
173 100
175 49.5 38.7 58.1
254 4.5 5.8 8.8#

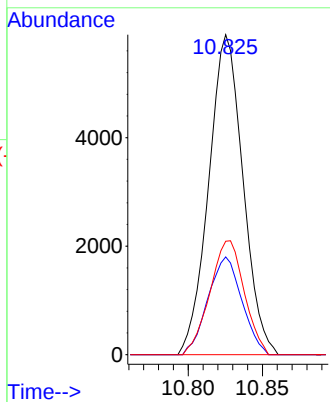
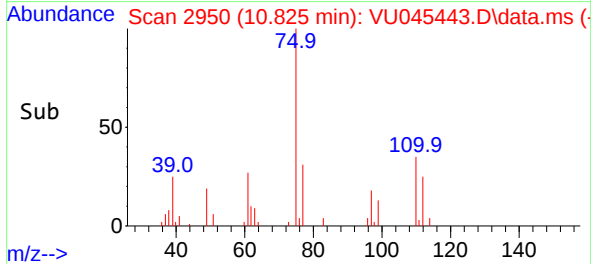




#60
1,2,3-Trichloropropane
Concen: 2.669 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29



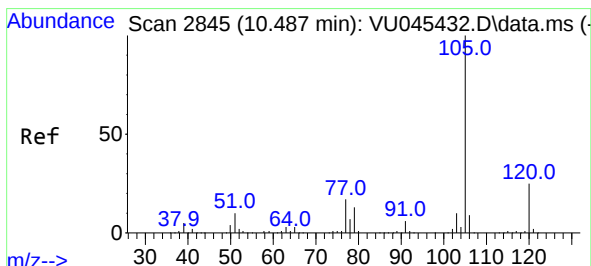
Tgt Ion: 75 Resp: 9459
Ion Ratio Lower Upper
75 100
77 30.3 25.9 38.9
110 35.7 29.8 44.8



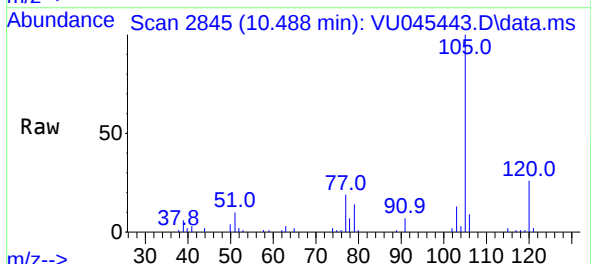
Instrument :
MSVOA_U
ClientSampled :
MDL02

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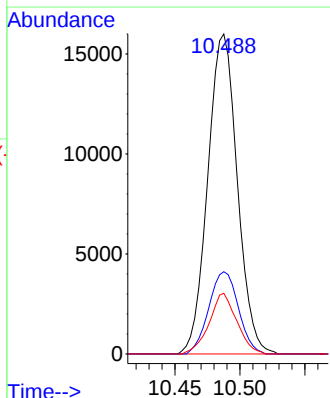
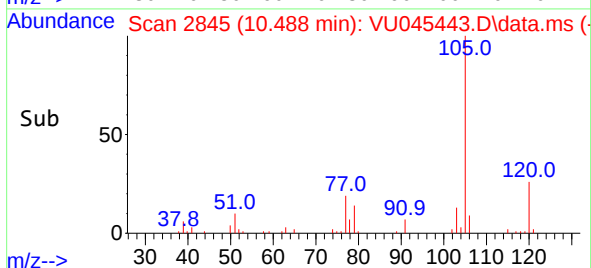
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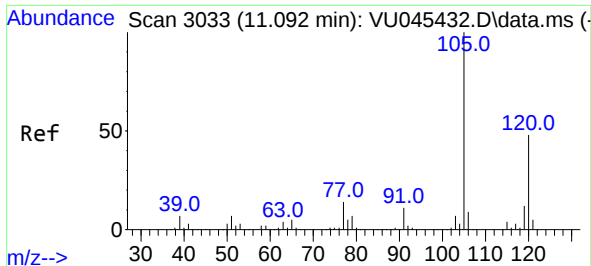


#61
Isopropylbenzene
Concen: 2.376 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29



Tgt Ion: 105 Resp: 25273
Ion Ratio Lower Upper
105 100
120 25.8 20.4 30.6
77 17.7 13.3 19.9





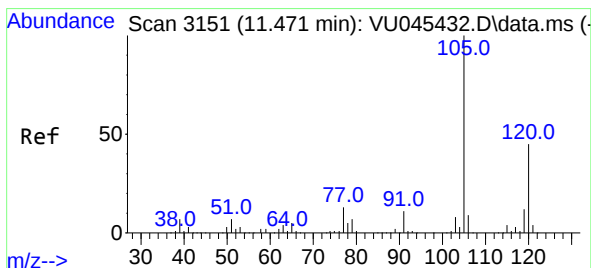
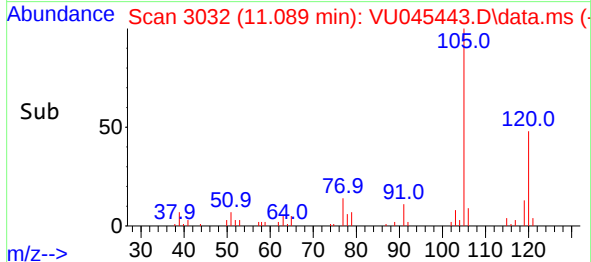
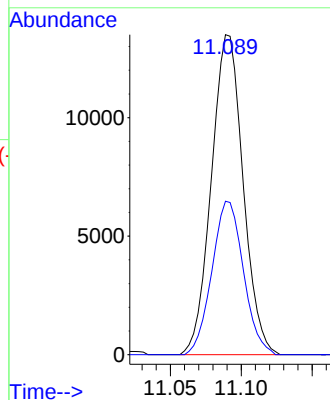
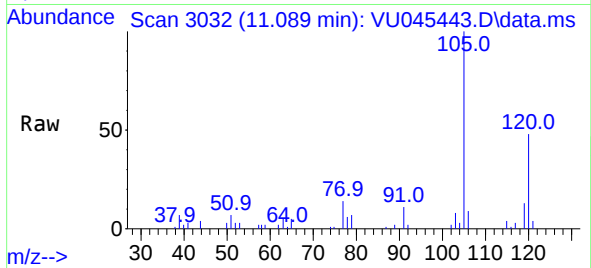
#62
1,3,5-Trimethylbenzene
Concen: 2.321 ug/L
RT: 11.089 min Scan# 3032
Delta R.T. -0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion:105 Resp: 21022
Ion Ratio Lower Upper
105 100
120 47.6 38.5 57.7

Instrument :
MSVOA_U
ClientSampled :
MDL02

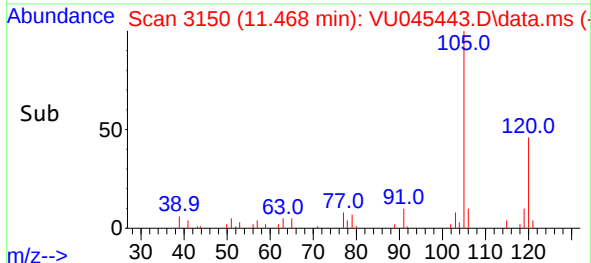
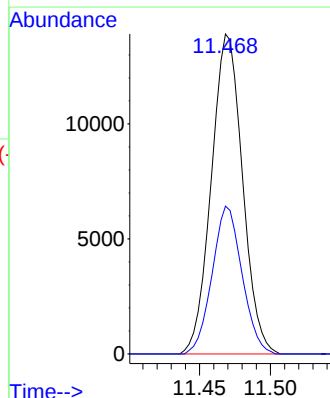
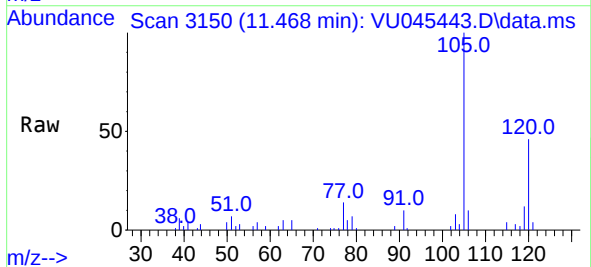
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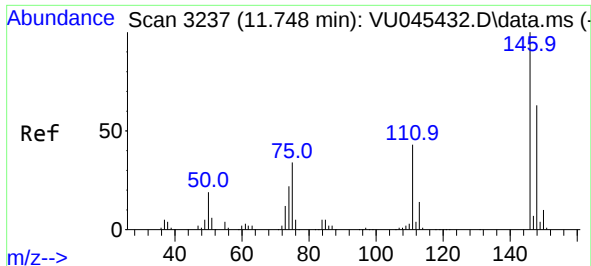
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#63
1,2,4-Trimethylbenzene
Concen: 2.311 ug/L
RT: 11.468 min Scan# 3150
Delta R.T. -0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion:105 Resp: 21280
Ion Ratio Lower Upper
105 100
120 44.3 35.6 53.4





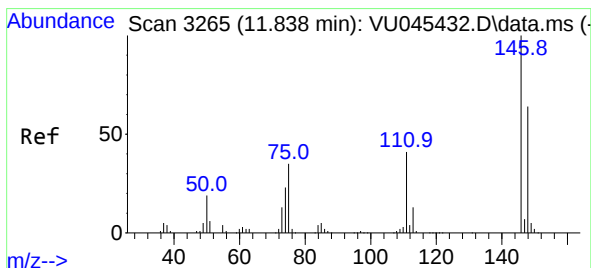
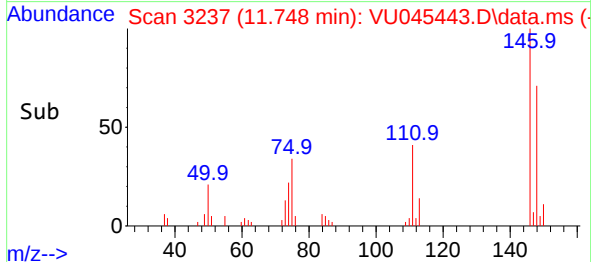
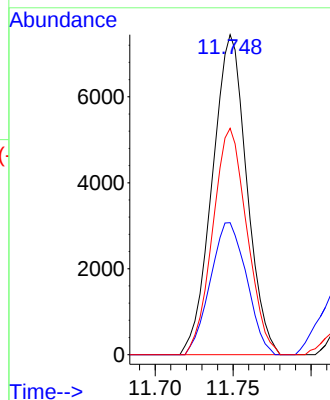
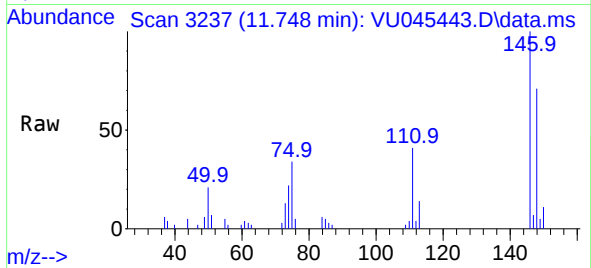
#64
1,3-Dichlorobenzene
Concen: 2.431 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion:146 Resp: 11435
Ion Ratio Lower Upper
146 100
111 41.3 29.8 55.4
148 70.8 44.1 81.9

Instrument :
MSVOA_U
ClientSampled :
MDL02

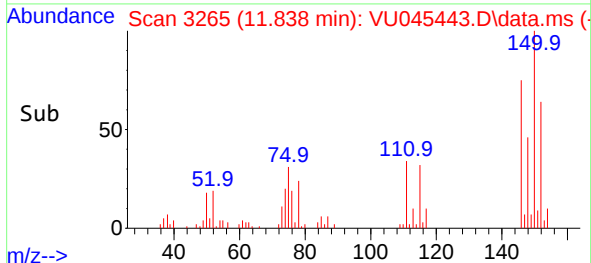
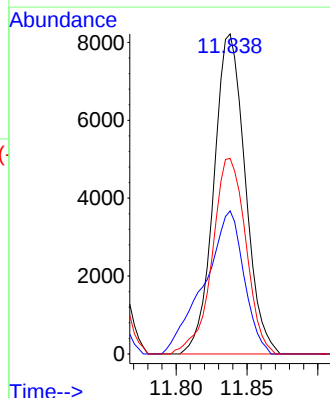
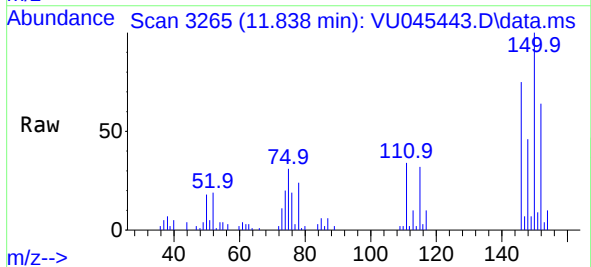
Manual Integrations
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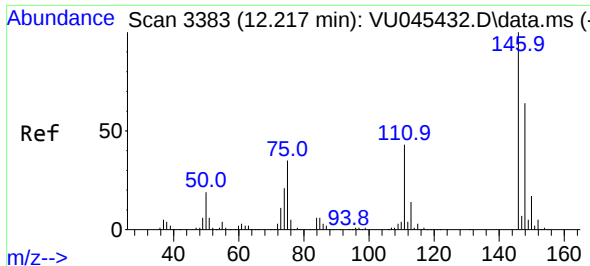
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#65
1,4-Dichlorobenzene
Concen: 2.658 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion:146 Resp: 12648
Ion Ratio Lower Upper
146 100
111 47.6 28.6 53.0
148 61.1 44.5 82.7





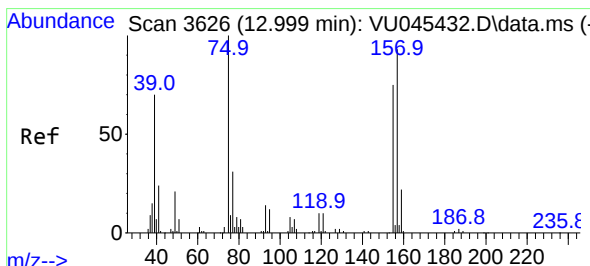
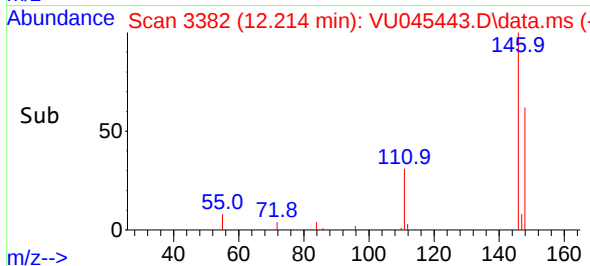
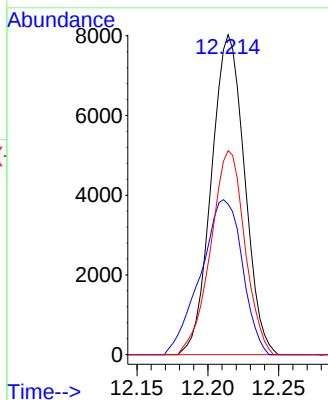
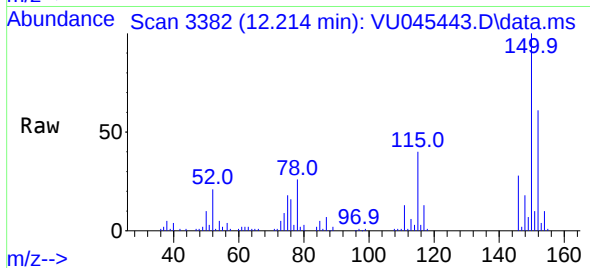
#67
1,2-Dichlorobenzene
Concen: 2.683 ug/L
RT: 12.214 min Scan# 3382
Delta R.T. -0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

Tgt Ion:146 Resp: 13060
Ion Ratio Lower Upper
146 100
111 47.1 34.6 52.0
148 63.8 51.2 76.8

Instrument :
MSVOA_U
ClientSampled :
MDL02

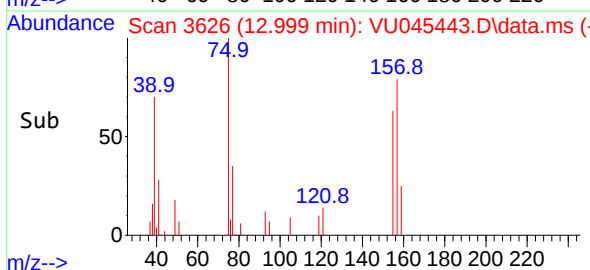
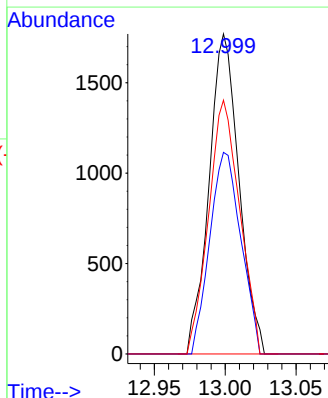
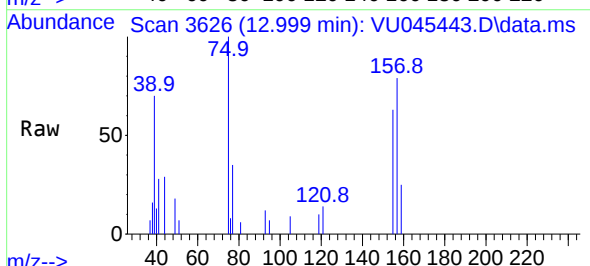
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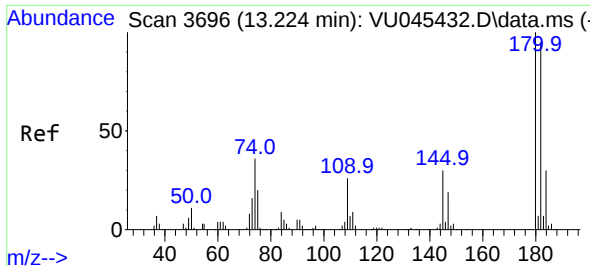
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#68
1,2-Dibromo-3-chloropropane
Concen: 2.514 ug/L
RT: 12.999 min Scan# 3626
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

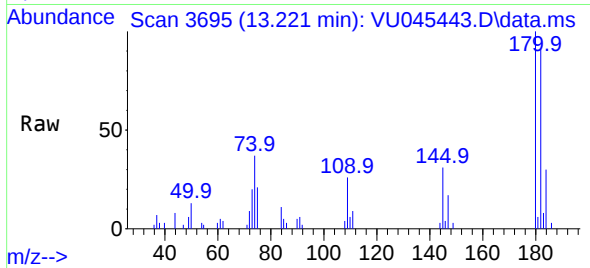
Tgt Ion: 75 Resp: 2601
Ion Ratio Lower Upper
75 100
155 63.0 60.0 90.0
157 79.3 77.9 116.9





#69
1,3,5-Trichlorobenzene
Concen: 2.496 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. -0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

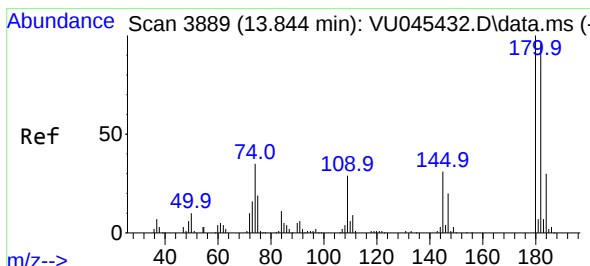
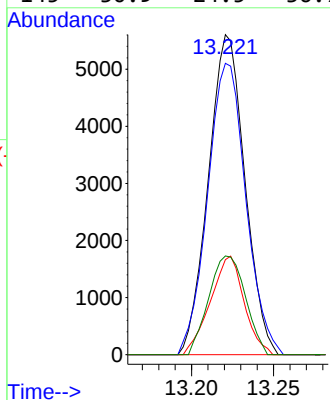
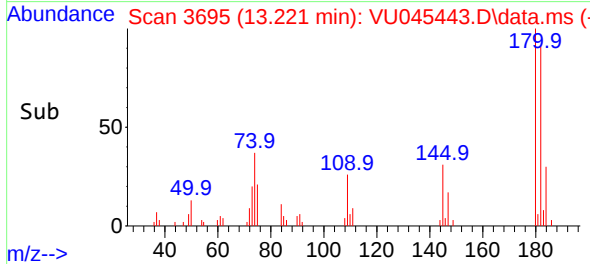
Instrument :
MSVOA_U
ClientSampled :
MDL02



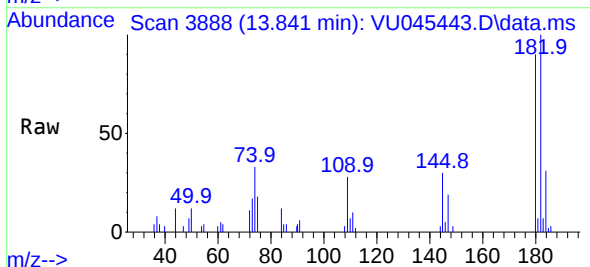
Tgt Ion:180 Resp: 8659
Ion Ratio Lower Upper
180 100
182 95.3 76.6 114.8
184 28.5 23.9 35.9
145 30.9 24.5 36.7

Manual Integrations
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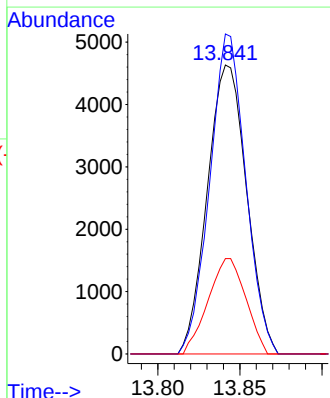
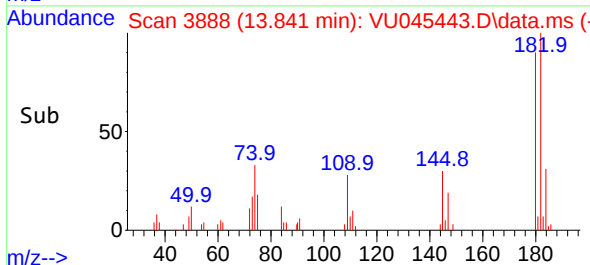
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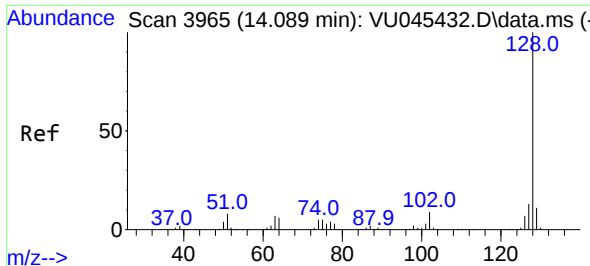


#70
1,2,4-trichlorobenzene
Concen: 2.434 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. -0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29



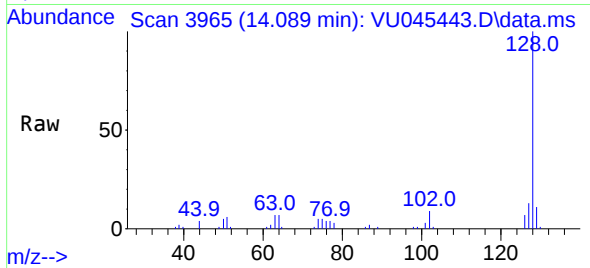
Tgt Ion:180 Resp: 7717
Ion Ratio Lower Upper
180 100
182 101.0 76.1 114.1
145 31.5 25.3 37.9





#71
Naphthalene
Concen: 2.255 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29

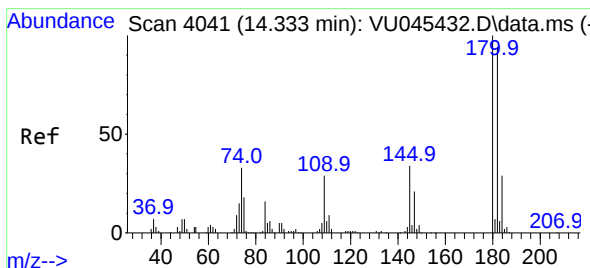
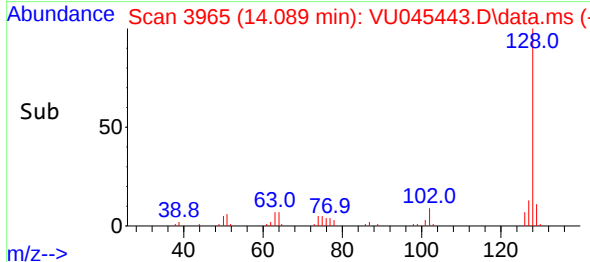
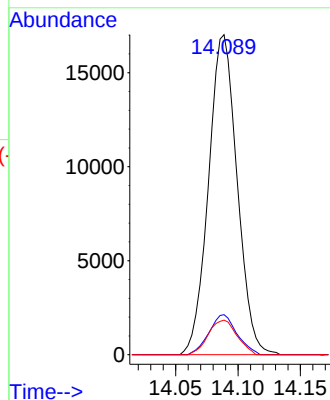
Instrument :
MSVOA_U
ClientSampled :
MDL02



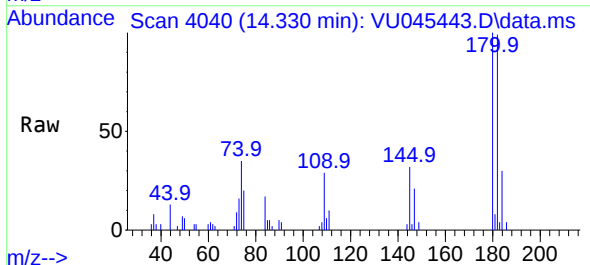
Tgt Ion:128 Resp: 27236
Ion Ratio Lower Upper
128 100
127 12.2 10.4 15.6
129 10.8 8.6 13.0

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 2.584 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. -0.003 min
Lab File: VU045443.D
Acq: 28 Oct 2021 16:29



Tgt Ion:180 Resp: 8382
Ion Ratio Lower Upper
180 100
182 93.3 75.7 113.5
145 32.6 27.0 40.4

