

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111419\
 Data File : VX013419.D
 Acq On : 14 Nov 2019 14:02
 Operator : JC/SP
 Sample : K5828-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GE-MW-58-1D

Manual Integrations
 APPROVED

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 11/15/2019 9:21:15 AM

Quant Time: Nov 15 06:47:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 12 01:16:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	118152	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	647484	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	559795	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	251035	28.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.90%
60) 4-Bromofluorobenzene	11.14	95	244421	27.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.57%
63) Toluene-d8	8.71	98	763598	30.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.57%

Target Compounds

					Ovalue
4) Vinyl Chloride	1.40	62	28161	2.569	ug/l 97
10) 1,1-Dichloroethene	2.36	96	23510	3.222	ug/l 94
15) Acetone	2.44	58	4154	2.917	ug/l 78
19) trans-1,2-Dichloroethene	3.16	96	223756	28.692	ug/l 97
20) Diisopropyl ether	3.85	45	21565	0.834	ug/l # 68
22) cis-1,2-Dichloroethene	4.59	96	7064577	794.553	ug/l 87
23) tert-Butyl Alcohol	3.03	59	6197m	2.739	ug/l
24) Methyl tert-Butyl Ether	3.19	73	393484	16.293	ug/l 99
34) Benzene	6.14	78	23408	0.780	ug/l 96
37) Trichloroethene	7.21	130	1446118	179.951	ug/l 95
50) 1,1,2-Trichloroethane	9.21	97	9353	1.224	ug/l 90
61) Tetrachloroethene	9.33	164	227891	33.014	ug/l 94
64) Chlorobenzene	10.14	112	8234	0.422	ug/l 90

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

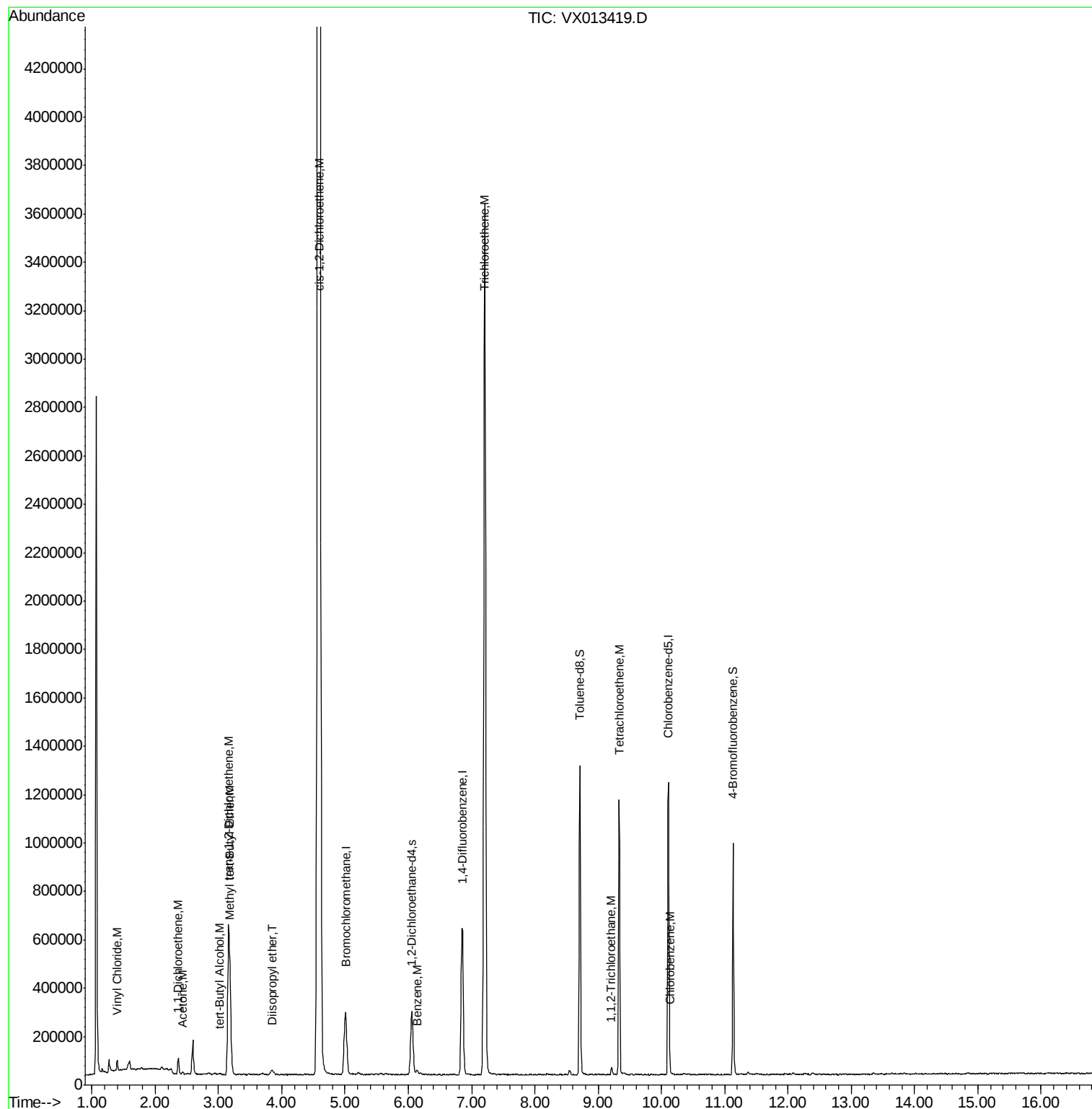
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111419\
Data File : VX013419.D
Acq On : 14 Nov 2019 14:02
Operator : JC/SP
Sample : K5828-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

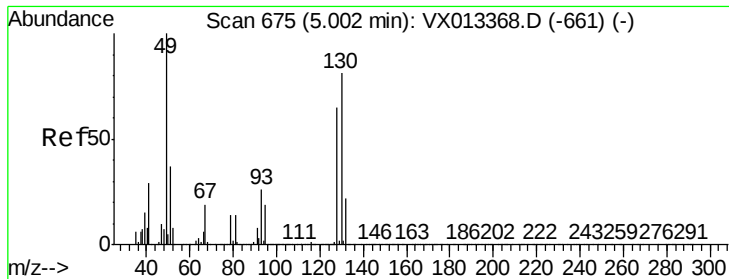
Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1D

Manual Integrations
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11/15/2019 9:21:15 AM

Quant Time: Nov 15 06:47:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X111119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 12 01:16:13 2019
Response via : Initial Calibration





#1

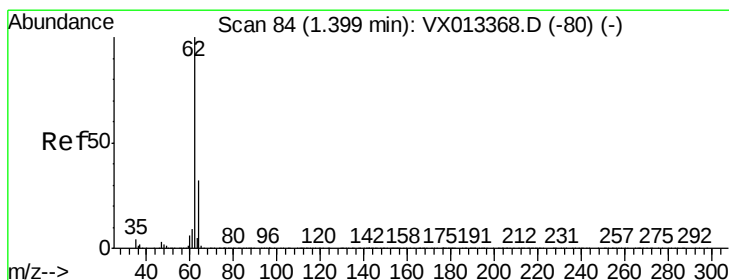
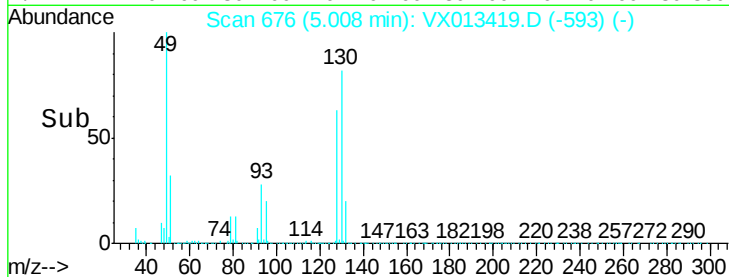
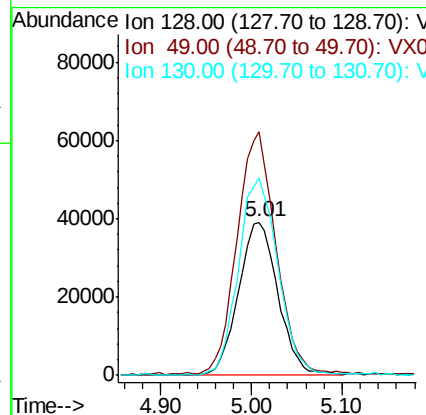
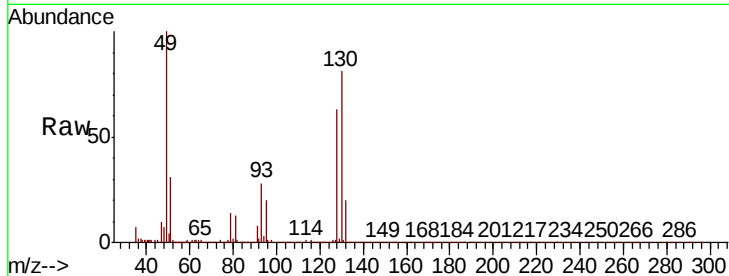
Bromochloromethane
Concen: 30.000 ug/l
RT: 5.01 min Scan# 676
Delta R.T. 0.01 min
Lab File: VX013419.D
Acq: 14 Nov 2019 14:02

Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1D

Tot Ion	Ratio	Resp	Lower	Upper
128	100	118152		
49	154.7	0.0	388.3	
130	128.4	0.0	318.5	

Manual Integrations
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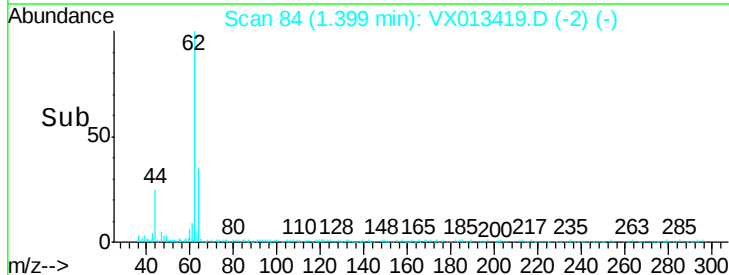
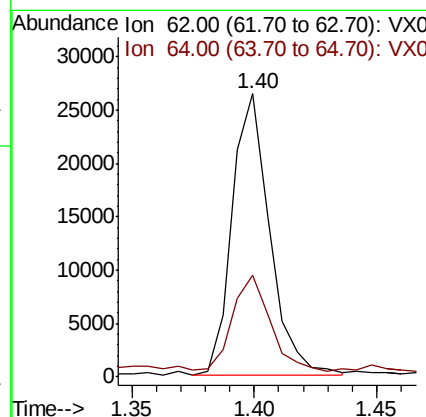
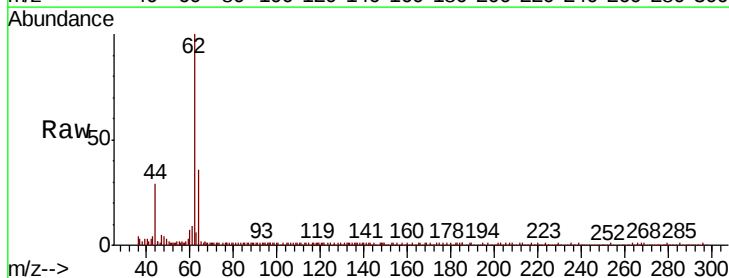
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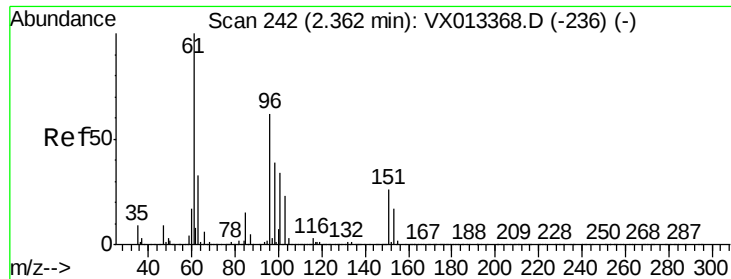


#4

Vinyl Chloride
Concen: 2.569 ug/l
RT: 1.40 min Scan# 84
Delta R.T. 0.00 min
Lab File: VX013419.D
Acq: 14 Nov 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	28161		
64	33.6	25.4	38.2	





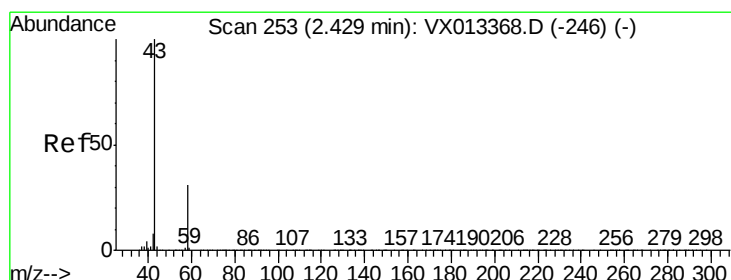
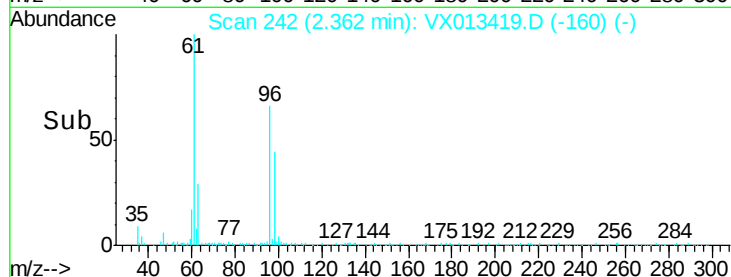
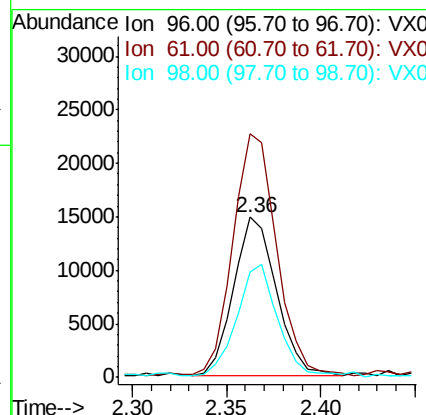
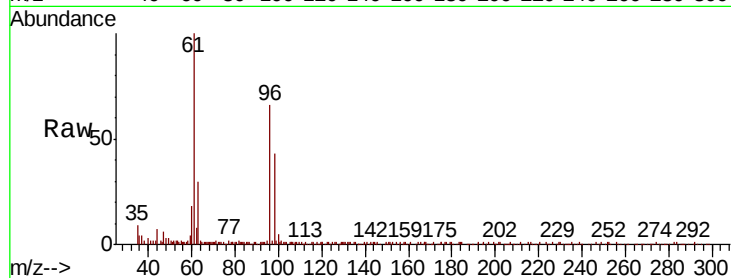
#10
1,1-Dichloroethene
Concen: 3.222 ug/l
RT: 2.36 min Scan# 242
Delta R.T. 0.00 min
Lab File: VX013419.D
Acq: 14 Nov 2019 14:02

Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1D

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.5	128.9	193.3
98	65.6	49.7	74.5

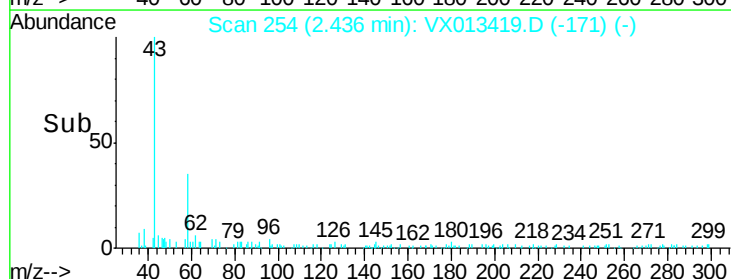
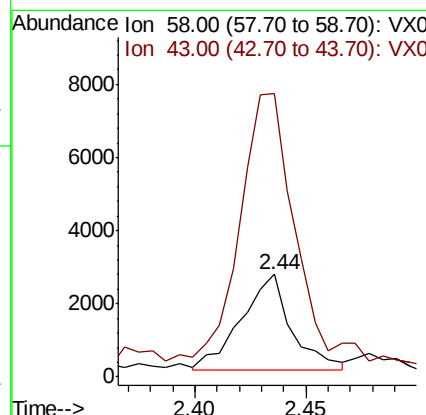
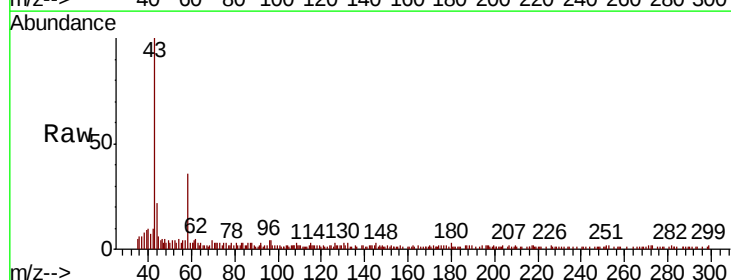
Manual Integrations
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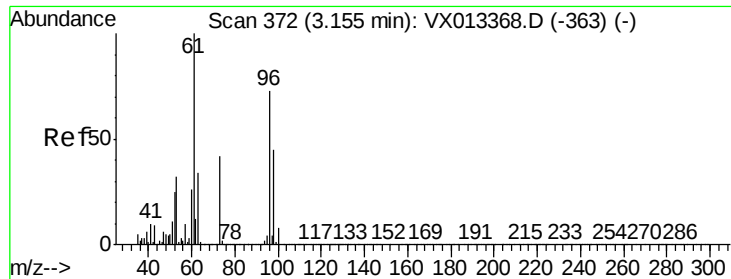
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#15
Acetone
Concen: 2.917 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX013419.D
Acq: 14 Nov 2019 14:02

Tgt Ion	Ratio	Lower	Upper
58	100		
43	281.7	261.4	392.2





#19

trans-1,2-Dichloroethene

Concen: 28.692 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013419.D

Acq: 14 Nov 2019 14:02

Instrument :

MSVOA_X

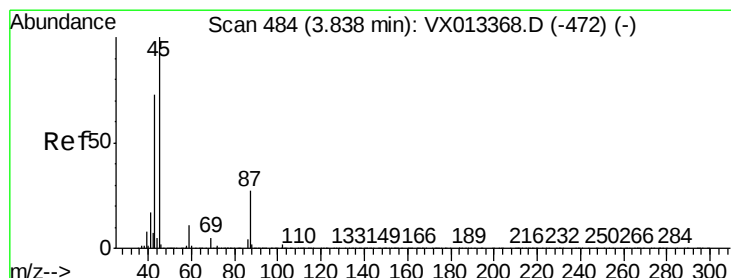
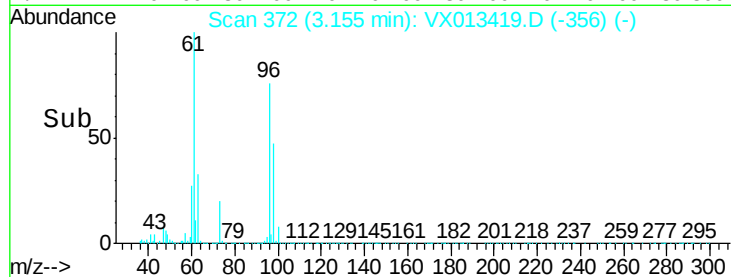
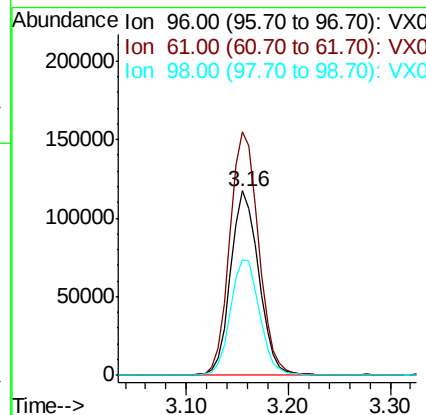
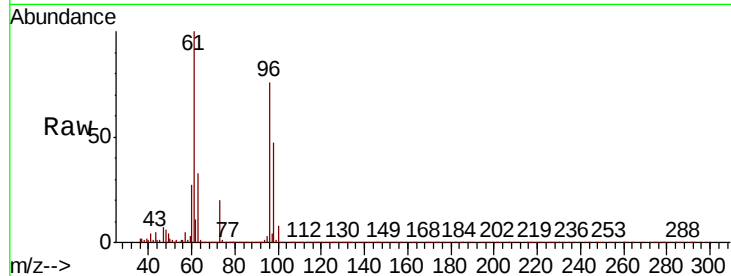
ClientSampleId :

GE-MW-58-1D

Tot Ion:	96	Resp:	223756
Ion	Ratio	Lower	Upper
96	100		
61	132.1	109.9	164.9
98	62.5	49.7	74.5

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#20

Diisopropyl ether

Concen: 0.834 ug/l

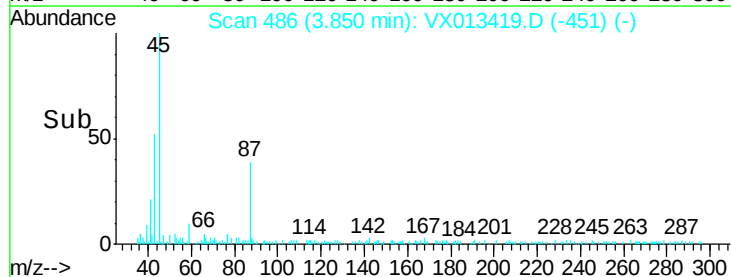
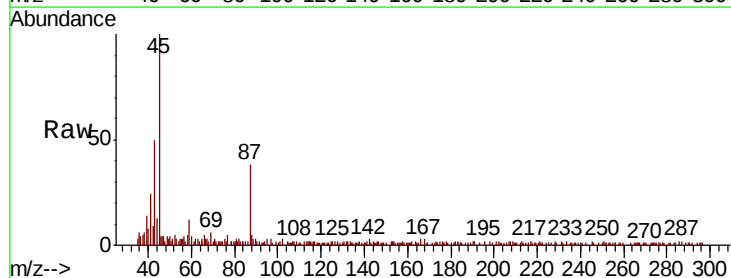
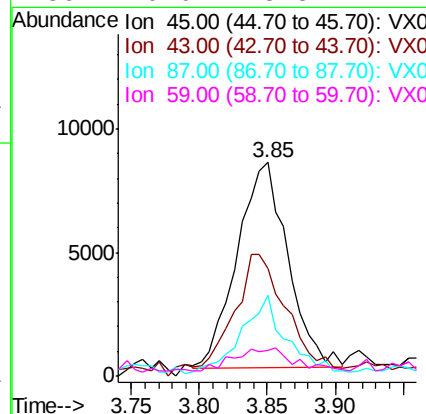
RT: 3.85 min Scan# 486

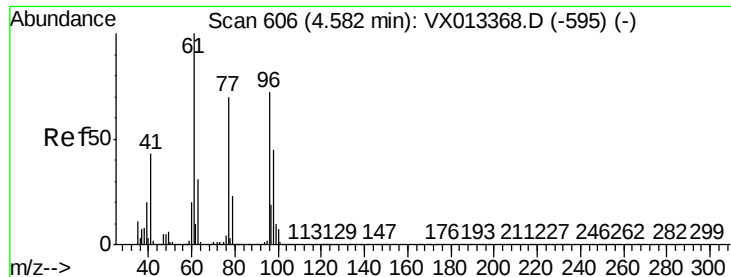
Delta R.T. 0.01 min

Lab File: VX013419.D

Acq: 14 Nov 2019 14:02

Tgt Ion:	45	Resp:	21565
Ion	Ratio	Lower	Upper
45	100		
43	48.9	67.7	101.5#
87	37.9	21.5	32.3#
59	9.9	8.5	12.7





#22

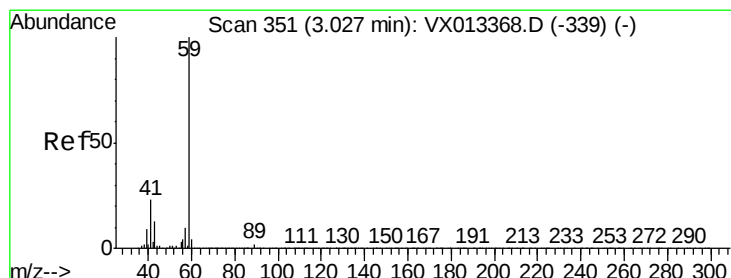
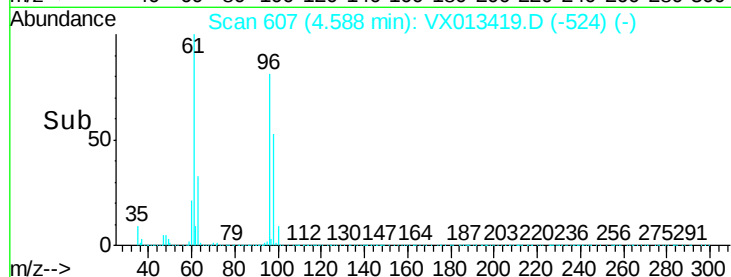
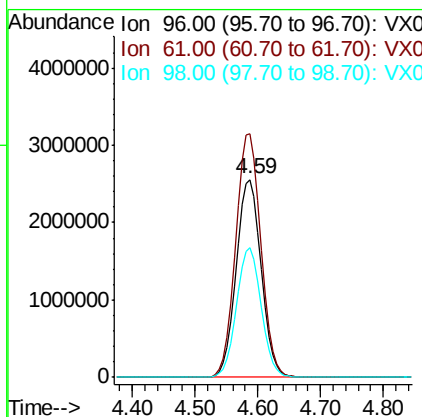
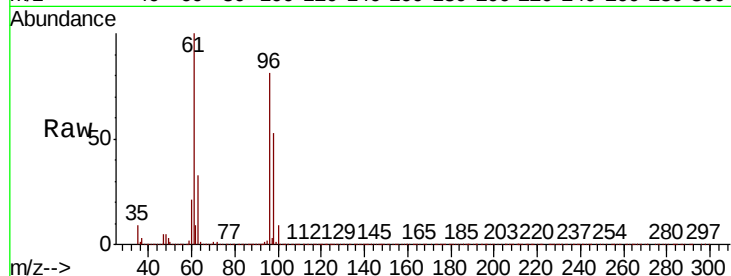
cis-1,2-Dichloroethene
 Concen: 794.553 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX013419.D
 Acq: 14 Nov 2019 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 GE-MW-58-1D

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.9	117.0	175.6
98	64.6	51.1	76.7

Manual Integrations
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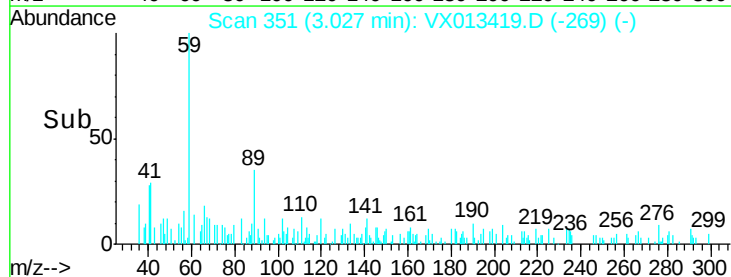
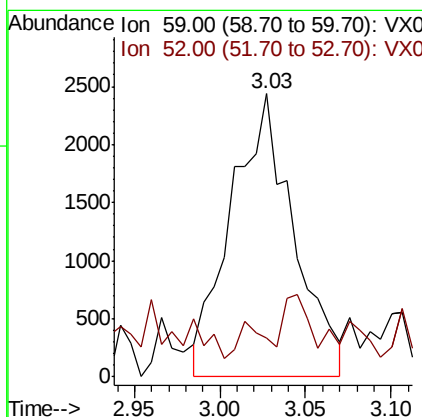
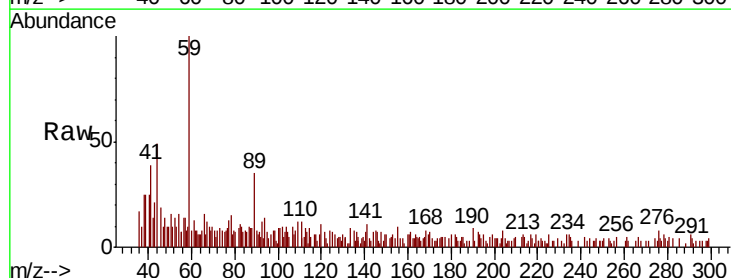
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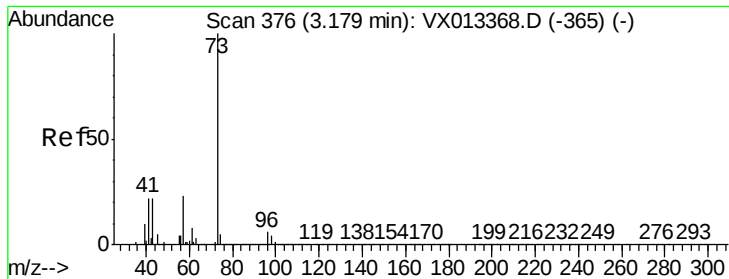


#23

tert-Butyl Alcohol
 Concen: 2.739 ug/l m
 RT: 3.03 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VX013419.D
 Acq: 14 Nov 2019 14:02

Tgt Ion	Ratio	Lower	Upper
59	100		
52	5.3	0.1	0.1#





#24

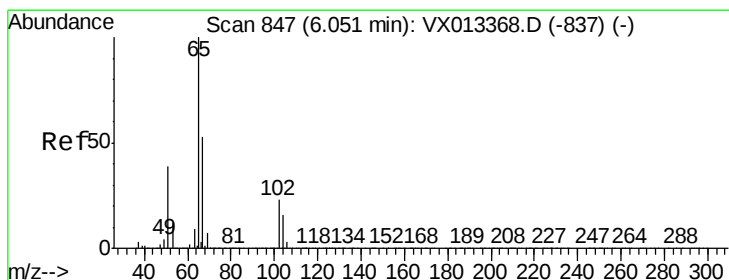
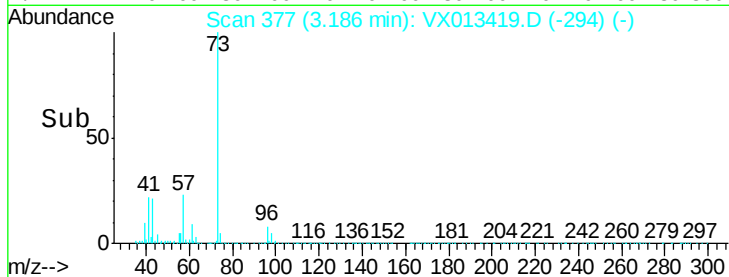
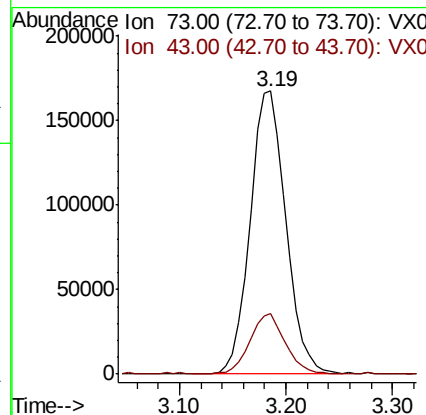
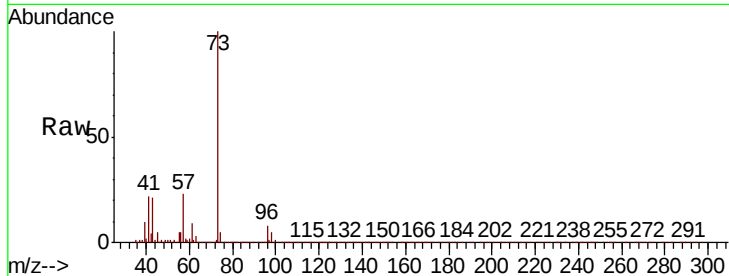
Methvl tert-Butvl Ether
Concen: 16.293 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.01 min
Lab File: VX013419.D
Acq: 14 Nov 2019 14:02

Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1D

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.7	17.0	25.6

Manual Integrations
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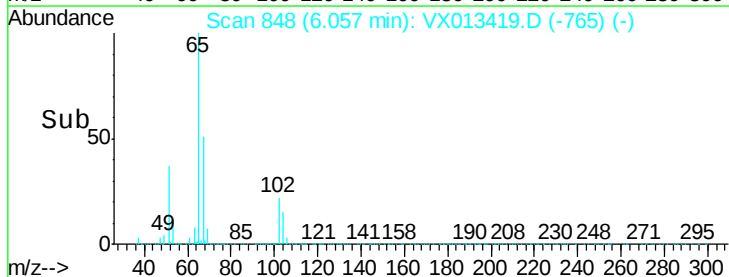
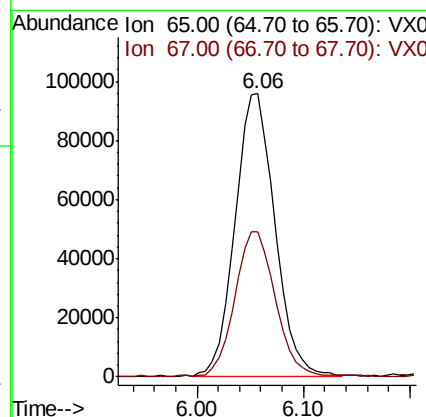
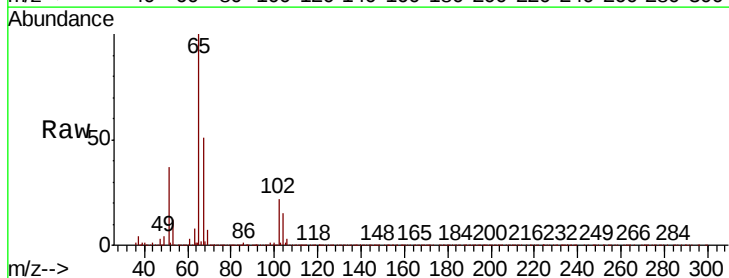
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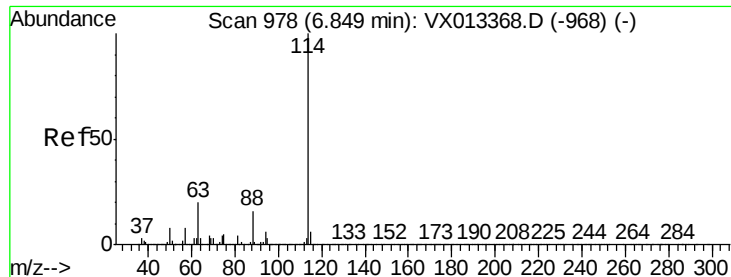


#27

1,2-Dichloroethane-d4
Concen: 28.773 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX013419.D
Acq: 14 Nov 2019 14:02

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.0	41.0	61.6





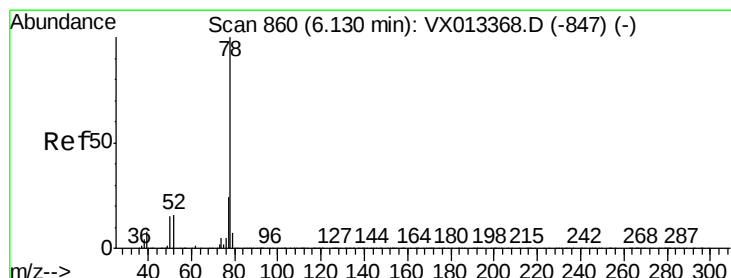
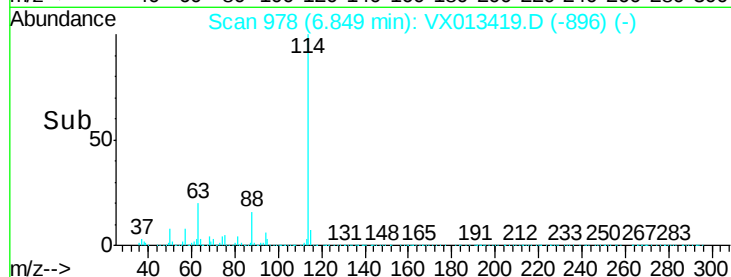
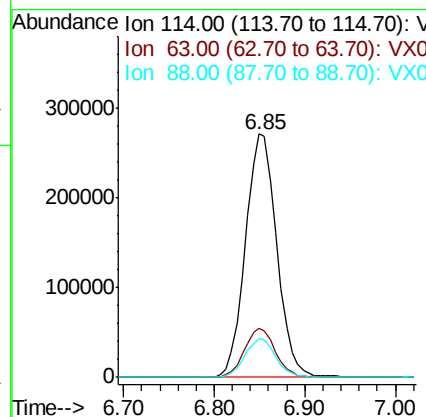
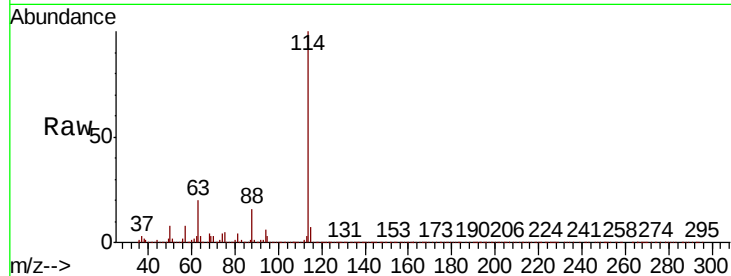
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013419.D
Acq: 14 Nov 2019 14:02

Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1D

Tot Ion:	114	Resp:	647484
Ion Ratio	Lower	Upper	
114	100		
63	19.9	16.1	24.1
88	15.6	12.3	18.5

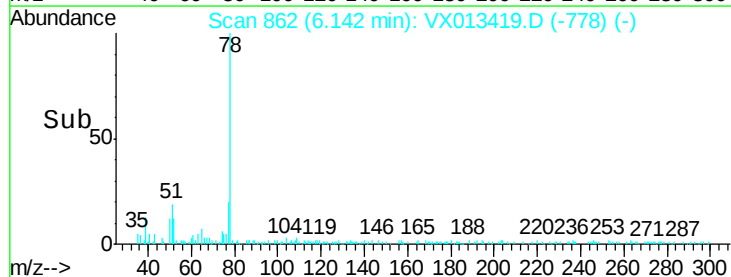
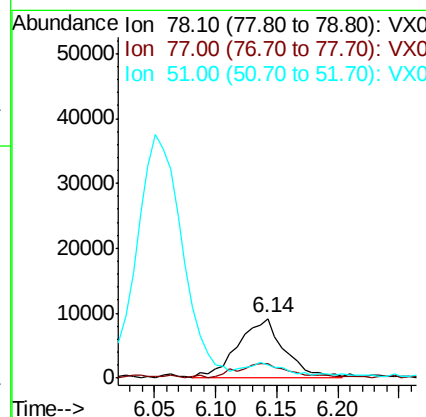
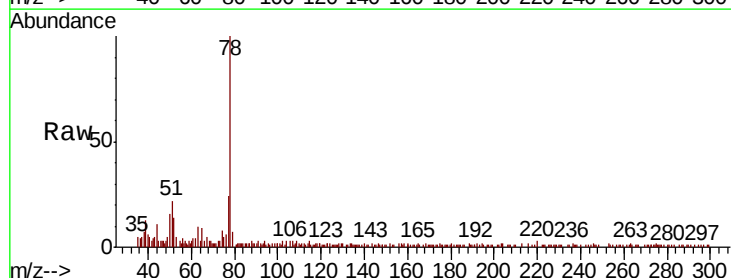
Manual Integrations
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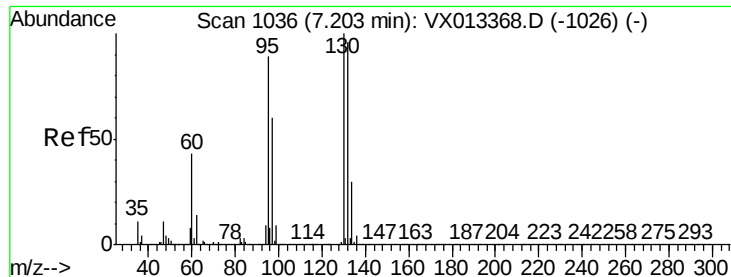
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#34
Benzene
Concen: 0.780 ug/l
RT: 6.14 min Scan# 862
Delta R.T. 0.01 min
Lab File: VX013419.D
Acq: 14 Nov 2019 14:02

Tgt Ion:	78	Resp:	23408
Ion Ratio	Lower	Upper	
78	100		
77	21.7	19.3	28.9
51	14.1	12.2	18.4





#37

Trichloroethene

Concen: 179.951 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013419.D

Acq: 14 Nov 2019 14:02

Instrument :

MSVOA_X

ClientSampleId :

GE-MW-58-1D

Tot Ion:130 Resp: 1446118

Ion Ratio Lower Upper

130 100

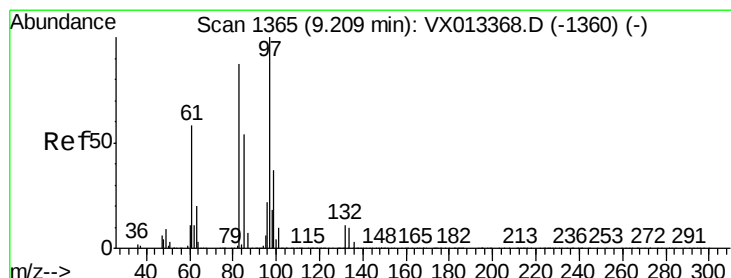
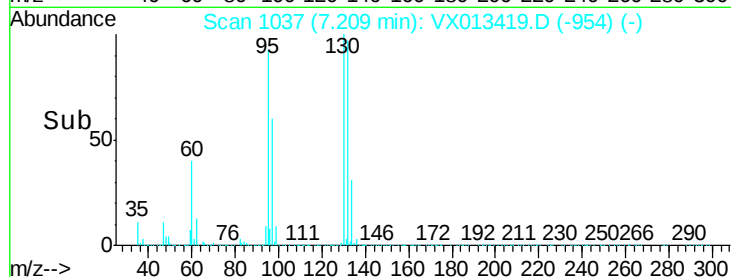
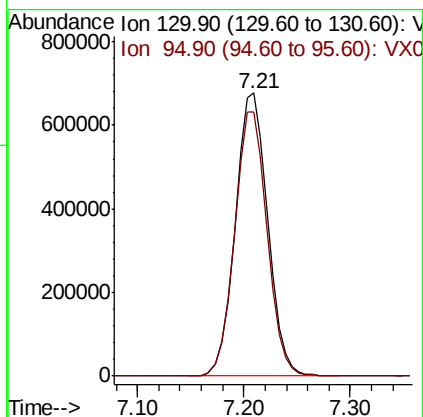
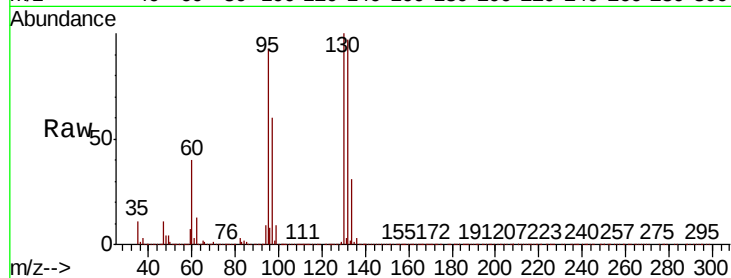
95 93.4 71.3 106.9

Manual Integrations

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#50

1,1,2-Trichloroethane

Concen: 1.224 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013419.D

Acq: 14 Nov 2019 14:02

Tgt Ion: 97 Resp: 9353

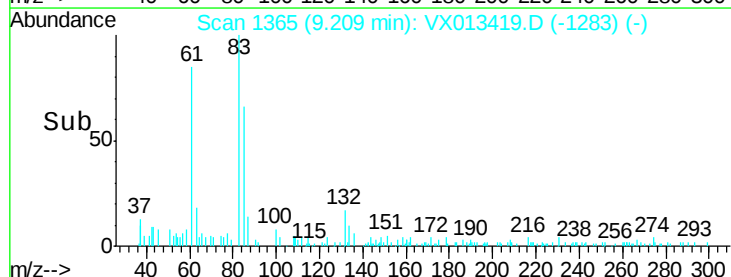
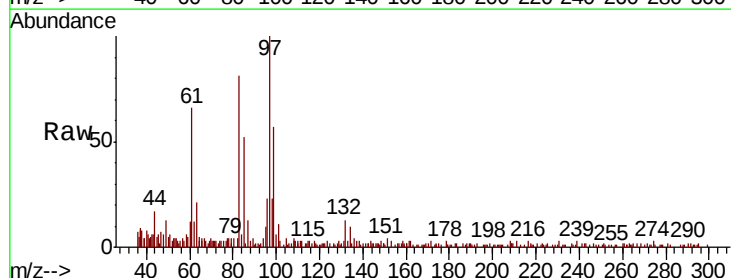
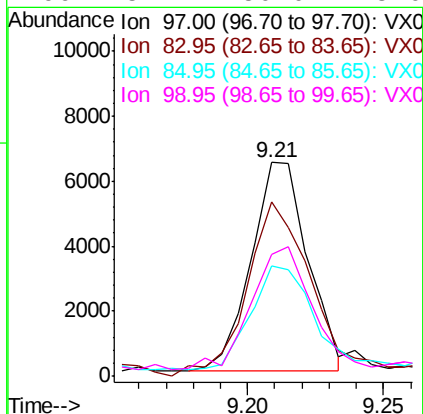
Ion Ratio Lower Upper

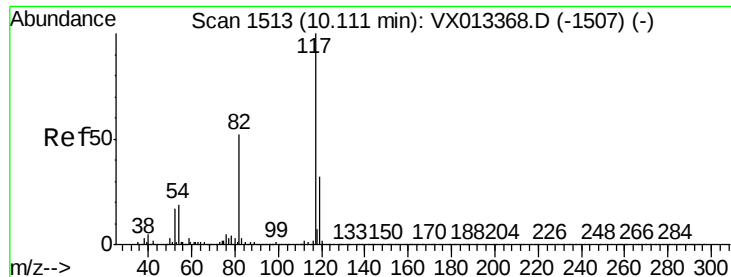
97 100

83 78.4 69.6 104.4

85 49.5 45.5 68.3

99 54.4 50.0 75.0





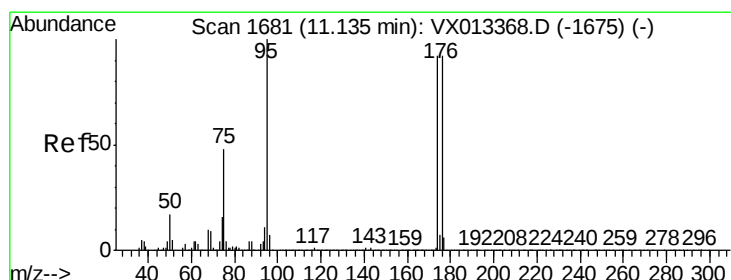
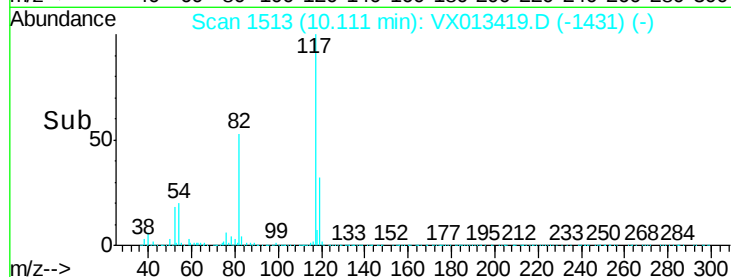
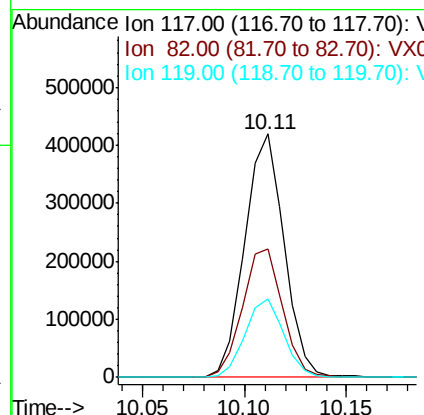
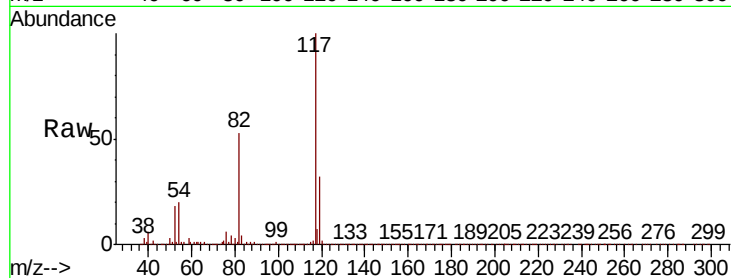
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013419.D
Acq: 14 Nov 2019 14:02

Instrument :
MSVOA_X
ClientSampleId :
GE-MW-58-1D

Tot Ion	Ratio	Resp	Lower	Upper
117	100	559795		
82	54.1	43.7	65.5	
119	32.1	25.5	38.3	

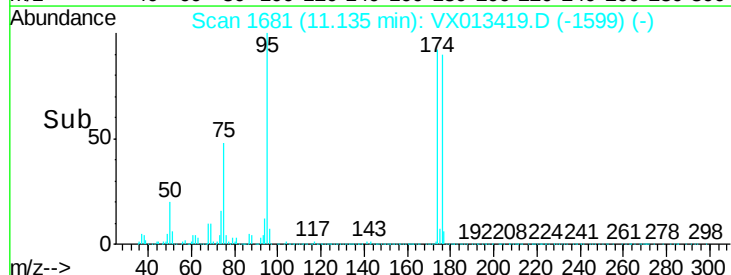
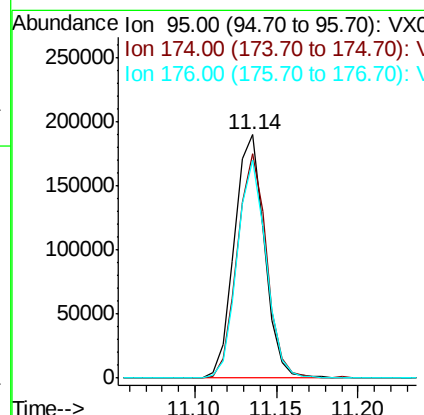
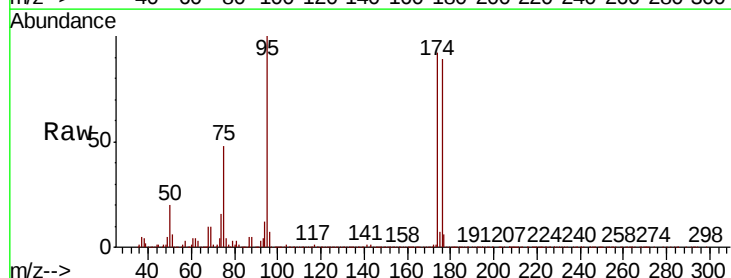
Manual Integrations
APPROVED

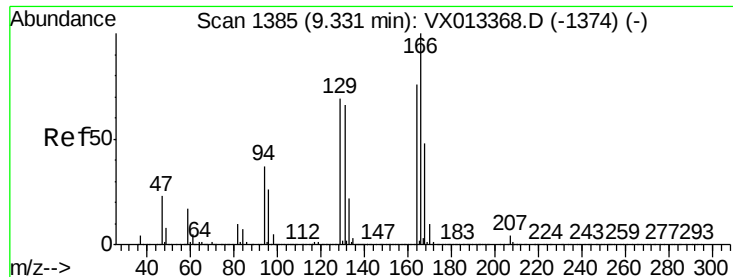
MMDadoda
11/15/2019 9:21:15 AM



#60
4-Bromofluorobenzene
Concen: 27.166 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013419.D
Acq: 14 Nov 2019 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	244421		
174	89.6	70.2	105.2	
176	85.9	68.3	102.5	





#61

Tetrachloroethene

Concen: 33.014 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX013419.D

Acq: 14 Nov 2019 14:02

Instrument :

MSVOA_X

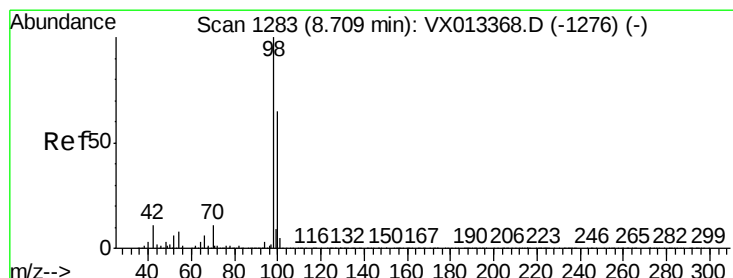
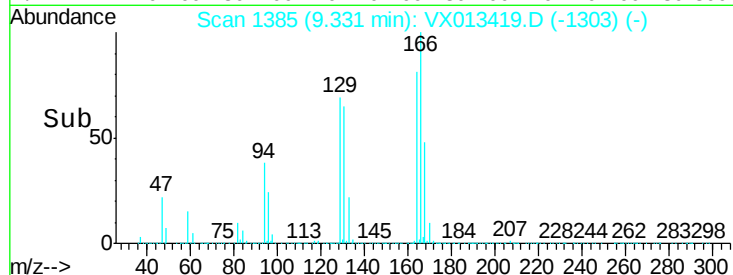
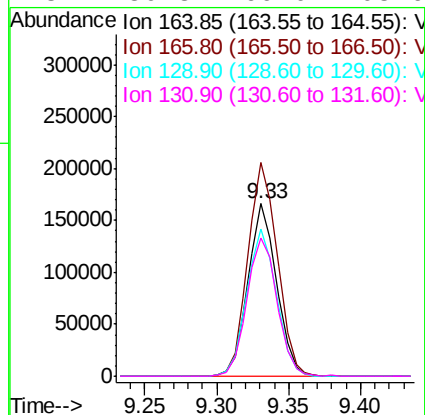
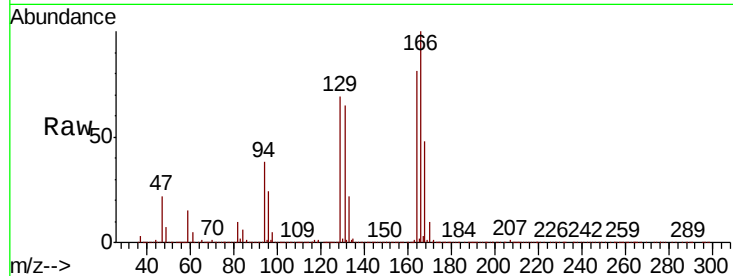
ClientSampleId :

GE-MW-58-1D

Tot Ion	Ratio	Lower	Upper
164	100		
166	123.7	104.9	157.3
129	84.9	72.3	108.5
131	80.3	69.0	103.6

Manual Integrations
APPROVED

MMDadoda
11/15/2019 9:21:15 AM



#63

Toluene-d8

Concen: 30.165 ug/l

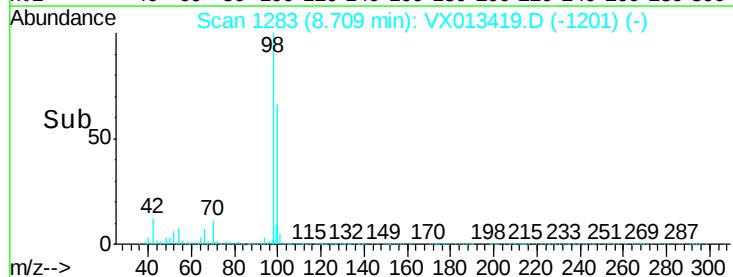
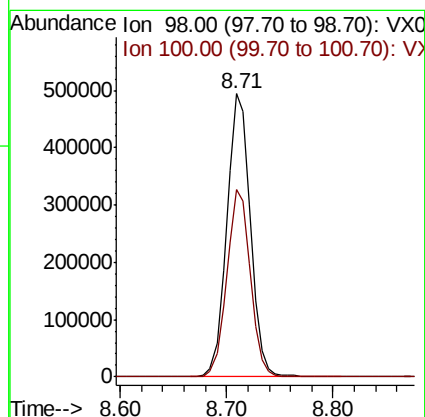
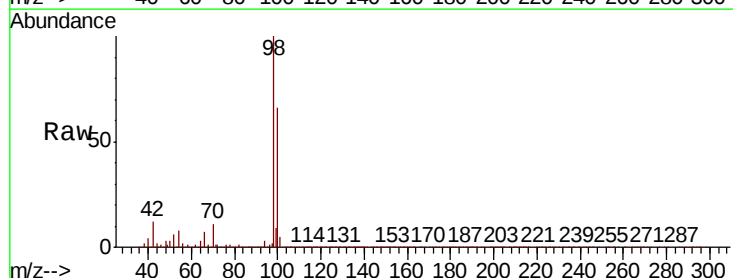
RT: 8.71 min Scan# 1283

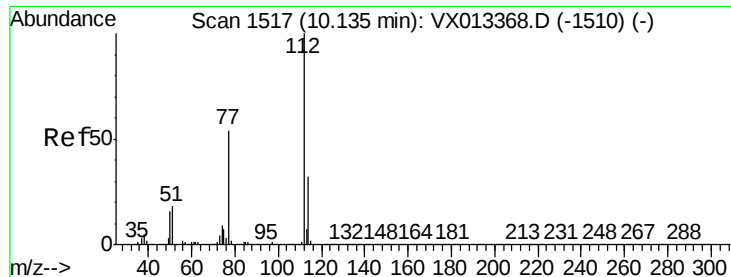
Delta R.T. 0.00 min

Lab File: VX013419.D

Acq: 14 Nov 2019 14:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.5	78.7





#64
 Chlorobenzene
 Concen: 0.422 ug/l
 RT: 10.14 min Scan# 1517
 Delta R.T. 0.00 min
 Lab File: VX013419.D
 Acq: 14 Nov 2019 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 GE-MW-58-1D

Tot Ion	Ratio	Lower	Upper
112	100		
114	26.5	25.7	38.5

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 9:21:15 AM

