

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079583.D
 Acq On : 17 Oct 2023 15:57
 Operator : JC\MD
 Sample : 04909-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LCOL-12

Integration Parameters: RTEINT3.P

Integrator: RTE

Smoothing : OFF

Filtering: 5

Sampling : 1

Min Area: 0 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M

Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC: VN079583.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.018	7	11	15	rVB	204161	256325	6.23%	1.659%
2	2.083	15	22	30	rVV2	647180	1287510	31.30%	8.333%
3	2.153	30	34	41	rVB	54618	86686	2.11%	0.561%
4	2.301	51	59	62	rBV	345768	564589	13.73%	3.654%
5	2.330	62	64	76	rVB	229685	302474	7.35%	1.958%
6	2.489	84	91	101	rBV	107497	195475	4.75%	1.265%
7	2.748	128	135	141	rBV	52970	95025	2.31%	0.615%
8	2.830	141	149	158	rVB5	78757	168415	4.09%	1.090%
9	3.018	171	181	194	rBV	1914323	4113260	100.00%	26.621%
10	3.448	246	254	268	rVB2	73546	180310	4.38%	1.167%
11	3.947	327	339	359	rBV	259608	743284	18.07%	4.811%
12	4.430	411	421	430	rBV	300993	871562	21.19%	5.641%
13	4.530	430	438	451	rVB	158543	488980	11.89%	3.165%
14	4.724	461	471	483	rVB4	28186	89620	2.18%	0.580%
15	5.283	555	566	575	rBV2	16621	52292	1.27%	0.338%
16	5.394	575	585	594	rVV4	25105	83706	2.04%	0.542%
17	5.524	594	607	625	rVB4	118665	467930	11.38%	3.028%
18	7.441	922	933	937	rBV	186190	515289	12.53%	3.335%
19	7.488	937	941	960	rVB2	187422	478674	11.64%	3.098%
20	7.841	986	1001	1018	rBV3	165072	548951	13.35%	3.553%
21	8.582	1117	1127	1137	rBV2	128389	334034	8.12%	2.162%
22	8.671	1137	1142	1154	rVB2	49148	117675	2.86%	0.762%
23	8.971	1187	1193	1203	rVB2	19573	45365	1.10%	0.294%
24	9.106	1207	1216	1226	rBV2	188814	397352	9.66%	2.572%
25	9.359	1252	1259	1270	rBV4	22141	45854	1.11%	0.297%
26	10.382	1426	1433	1439	rBV2	46493	98936	2.41%	0.640%
27	10.447	1439	1444	1457	rVB	103481	204455	4.97%	1.323%
28	10.571	1457	1465	1471	rBV	364548	675863	16.43%	4.374%
29	10.635	1471	1476	1491	rVB	94278	191006	4.64%	1.236%
30	11.176	1560	1568	1577	rBV	48163	100541	2.44%	0.651%
31	11.871	1675	1686	1698	rBV	330607	718157	17.46%	4.648%
32	12.076	1709	1721	1731	rVB3	33697	82325	2.00%	0.533%
33	12.400	1766	1776	1782	rBV2	36395	74483	1.81%	0.482%
34	12.465	1782	1787	1796	rVB4	25521	49856	1.21%	0.323%
35	12.853	1846	1853	1863	rVB	250681	443286	10.78%	2.869%
36	13.447	1946	1954	1958	rBV3	23385	44142	1.07%	0.286%

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Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

37	13.859	2019	2024	2034	rVB7	32092	71861	1.75%	0.465%
38	14.676	2153	2163	2170	rBV	92204	165698	4.03%	1.072%

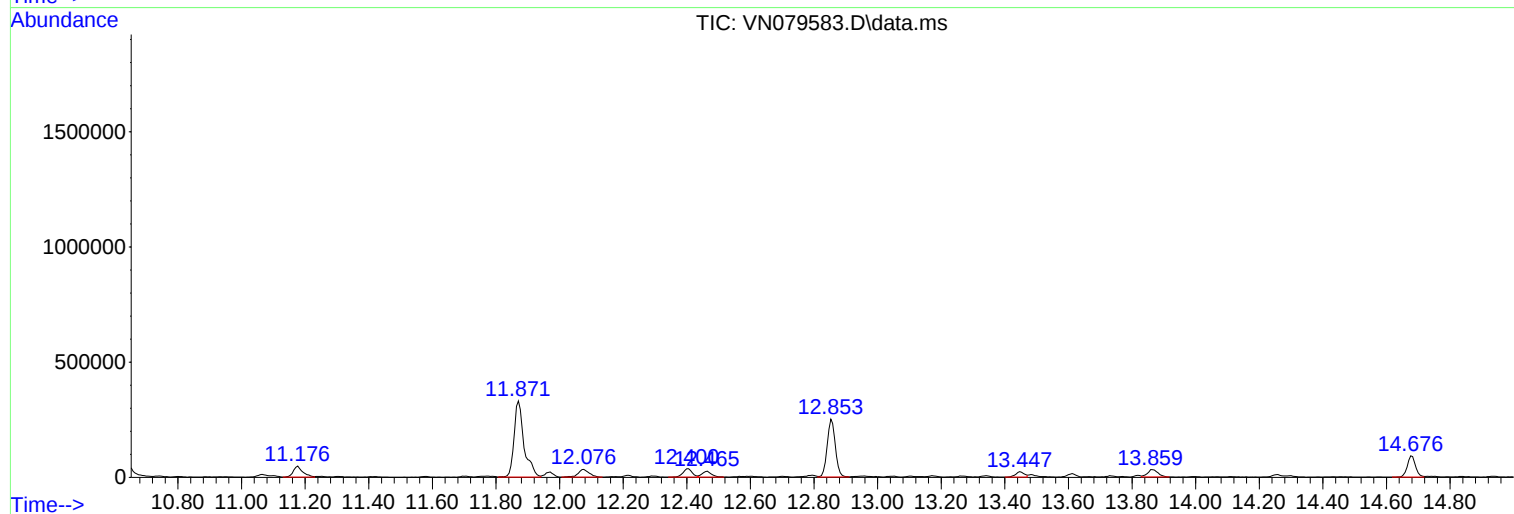
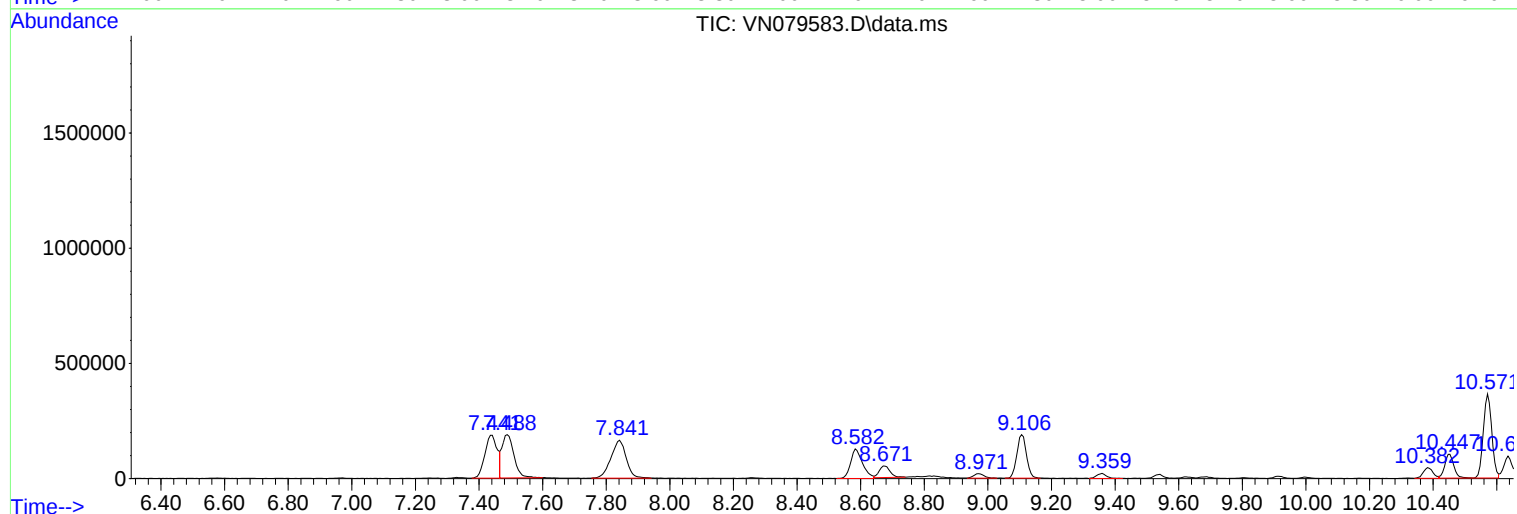
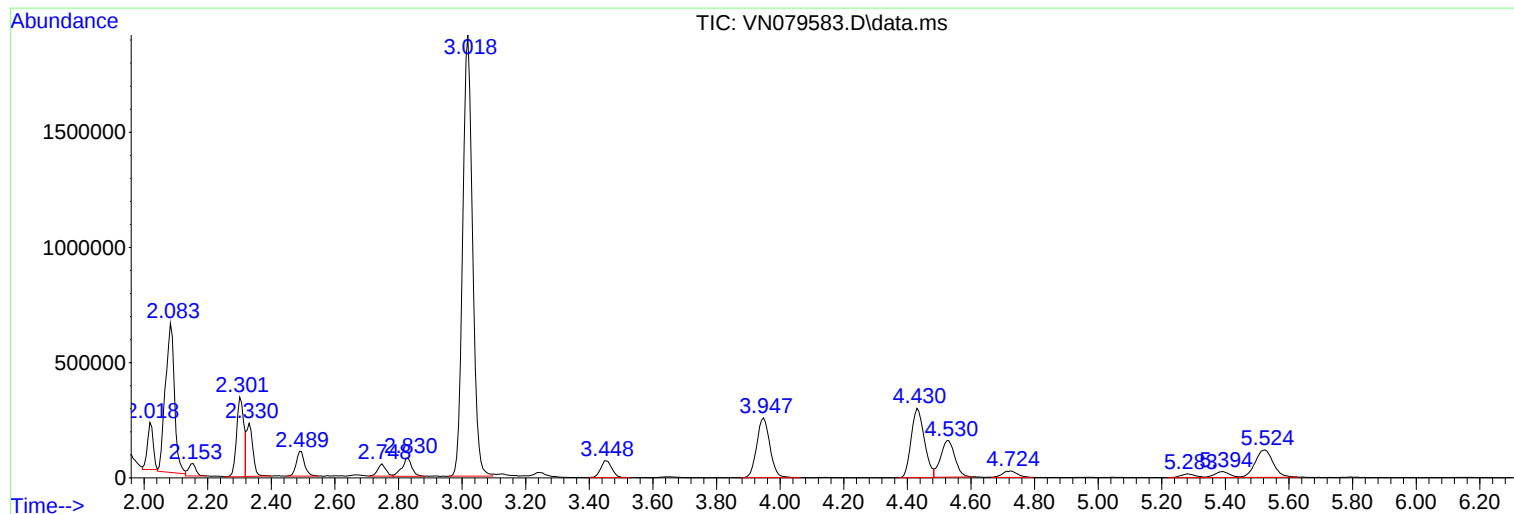
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Instrument :
MSVOA_N
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LCOL-12

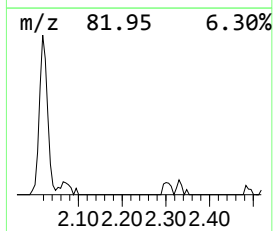
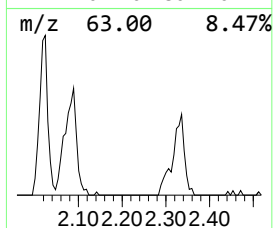
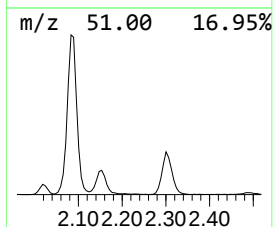
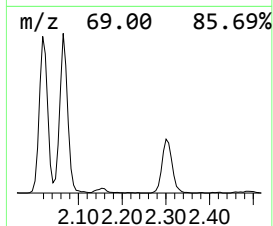
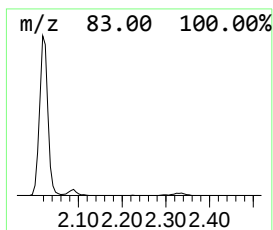
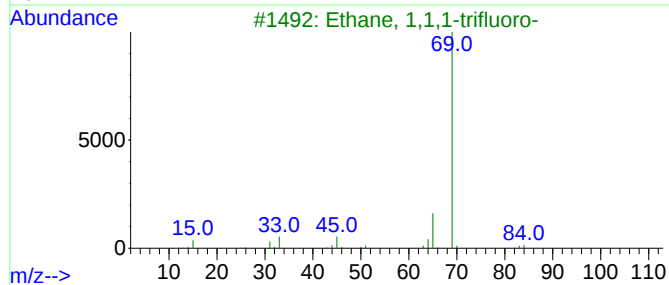
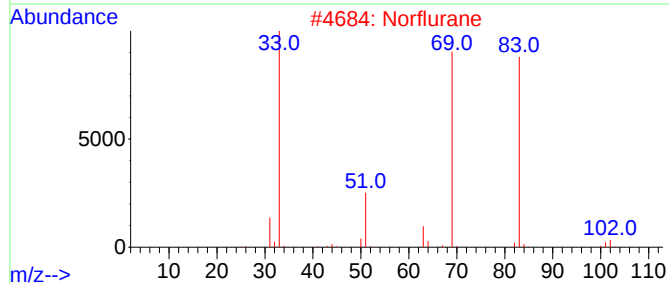
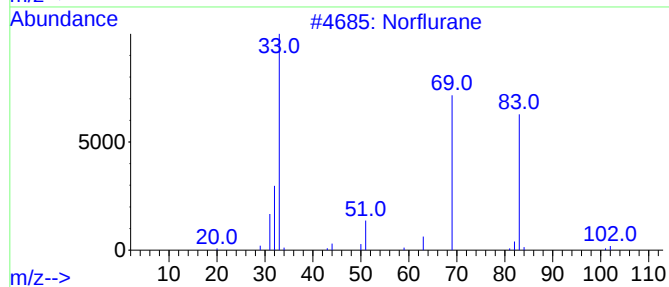
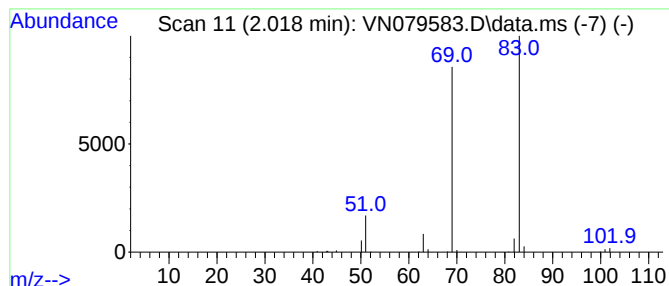
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Norflurane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.018	14.01 ug/l	256325	Bromochloromethane	7.818

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Norflurane	102	C2H2F4	000811-97-2	83
2			Norflurane	102	C2H2F4	000811-97-2	43
3			Ethane, 1,1,1-trifluoro-	84	C2H3F3	000420-46-2	4
4			1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	4
5			2-Propynenitrile, 3-fluoro-	69	C3FN	032038-83-8	3



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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LCOL-12

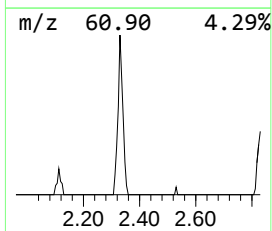
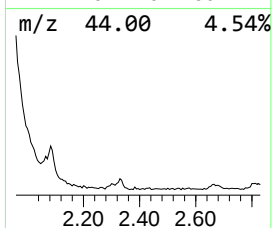
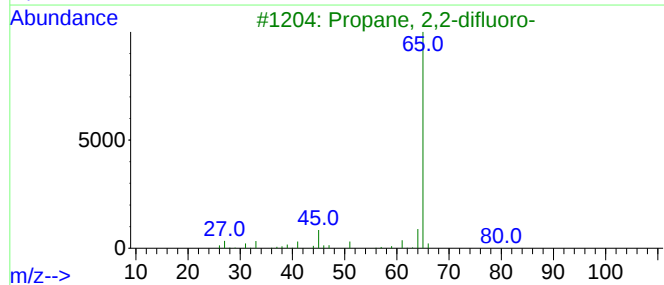
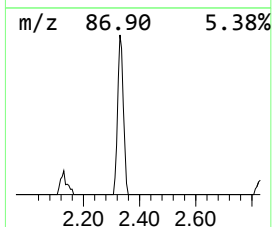
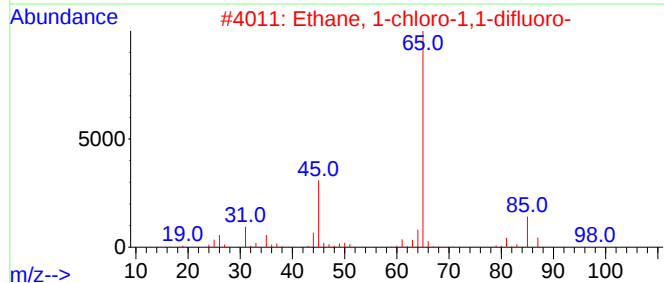
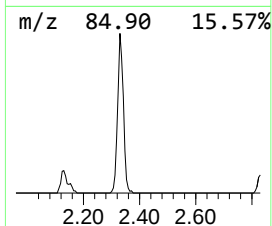
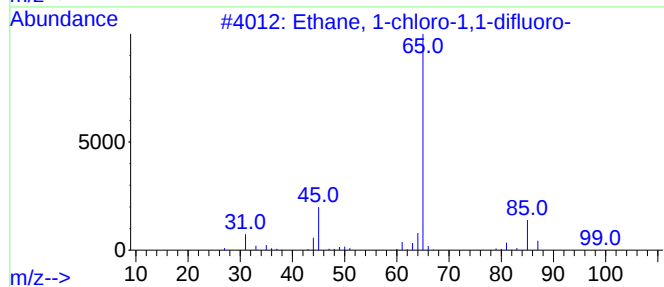
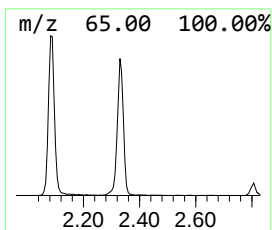
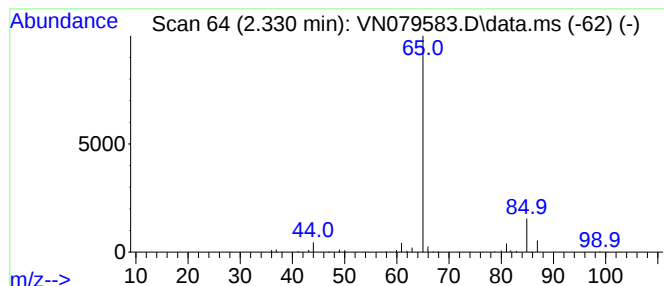
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Ethane, 1-chloro-1,1-difluoro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.330	16.53 ug/l	302474	Bromochloromethane	7.818

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethane, 1-chloro-1,1-difluoro-	100	C2H3ClF2	000075-68-3	83
2			Ethane, 1-chloro-1,1-difluoro-	100	C2H3ClF2	000075-68-3	74
3			Propane, 2,2-difluoro-	80	C3H6F2	000420-45-1	4
4			Propane, 2,2-difluoro-	80	C3H6F2	000420-45-1	2
5			Propanoic acid, 2-chloro-, ethyl...	136	C5H9ClO2	000535-13-7	1



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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LCOL-12

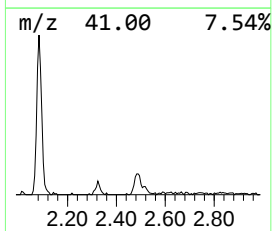
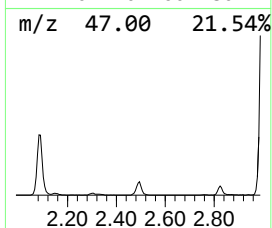
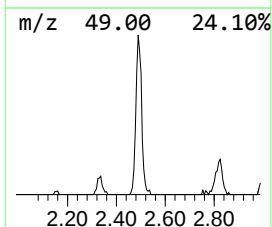
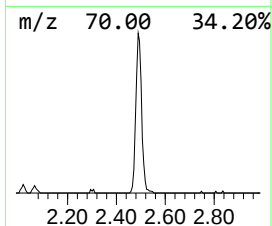
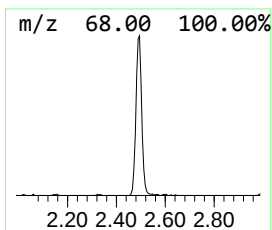
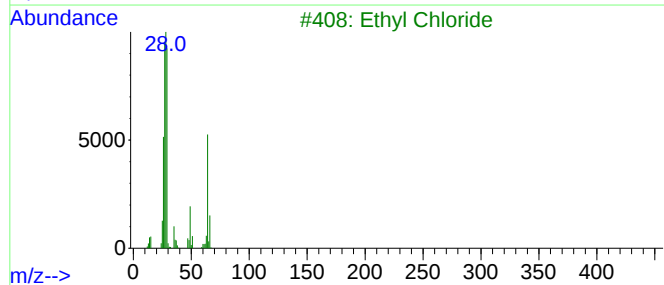
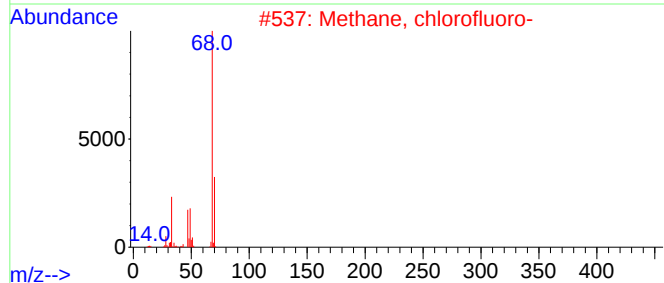
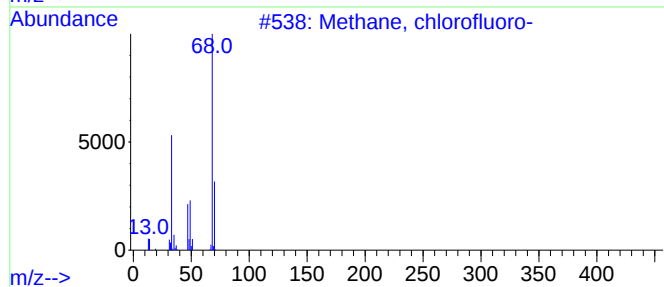
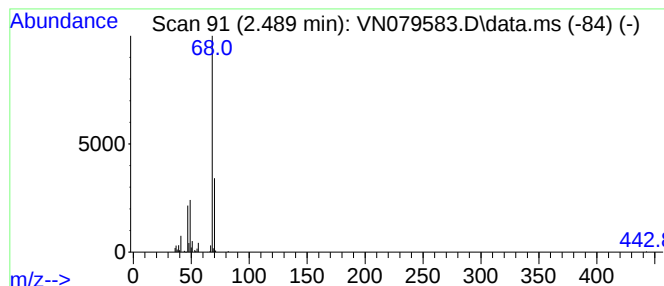
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Methane, chlorofluoro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.489	10.68 ug/l	195475	Bromochloromethane	7.818

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methane, chlorofluoro-	68	CH2ClF	000593-70-4	91
2			Methane, chlorofluoro-	68	CH2ClF	000593-70-4	90
3			Ethyl Chloride	64	C2H5Cl	000075-00-3	9
4			3-Butyn-2-amine, 2-methyl-	83	C5H9N	002978-58-7	9
5			1H-Imidazole	68	C3H4N2	000288-32-4	4



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Instrument :
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ClientSampleId :
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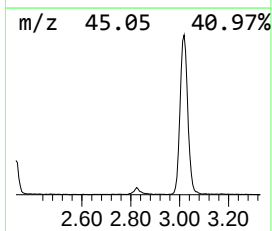
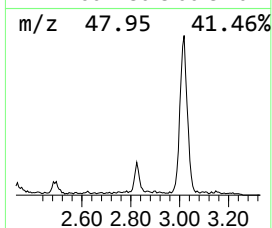
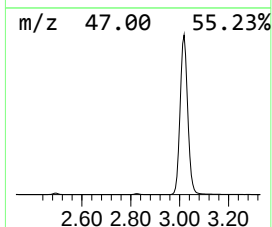
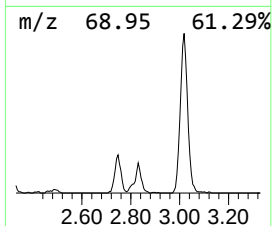
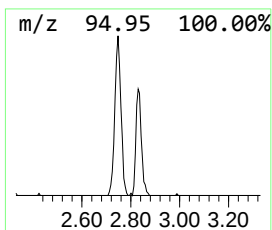
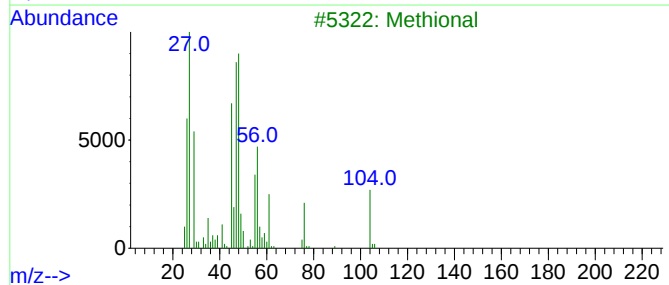
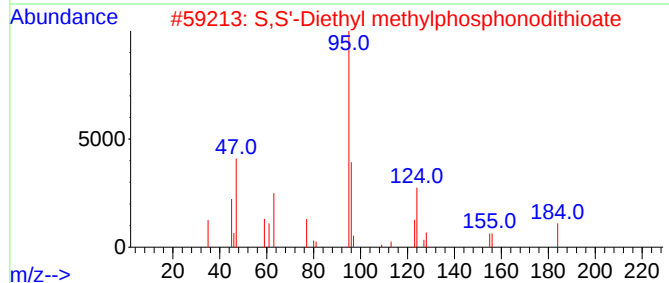
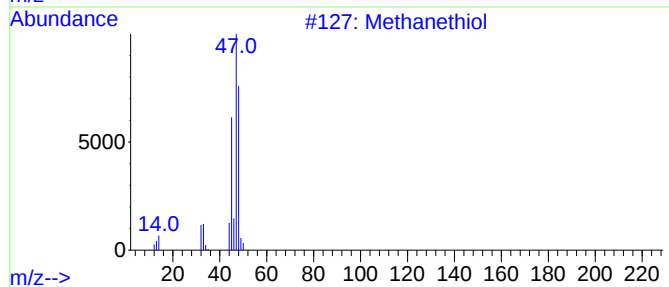
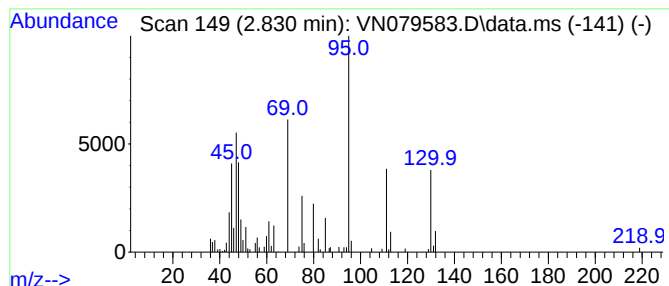
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 unknown2.830 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.830	9.20 ug/l	168415	Bromochloromethane	7.818

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methanethiol	48	CH4S	000074-93-1	27
2			S,S'-Diethyl methylphosphonodith...	184	C5H13OPS2	000995-88-0	25
3			Methional	104	C4H8OS	003268-49-3	25
4			4-Pyridazinamine	95	C4H5N3	020744-39-2	9
5			3-Pyridinol	95	C5H5NO	000109-00-2	9



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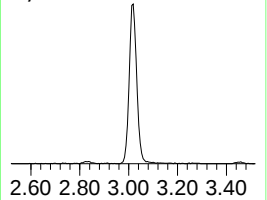
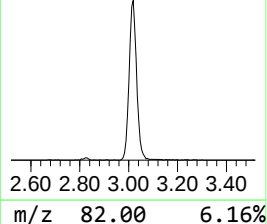
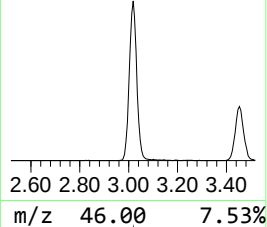
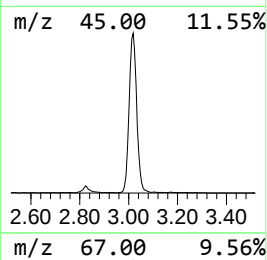
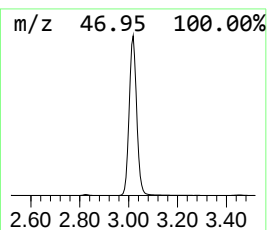
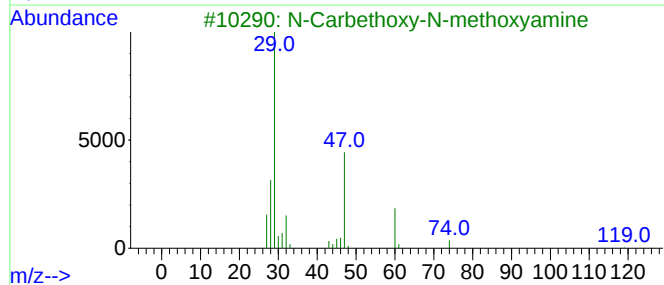
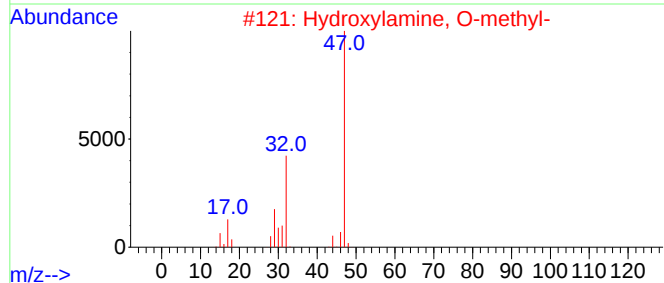
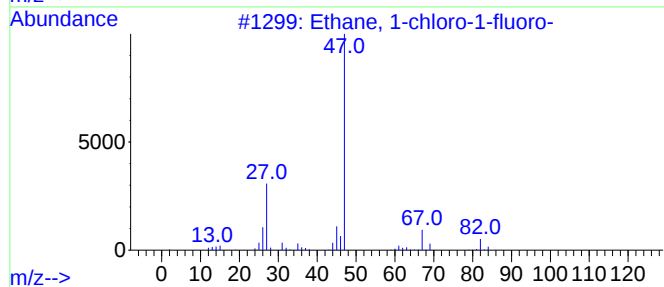
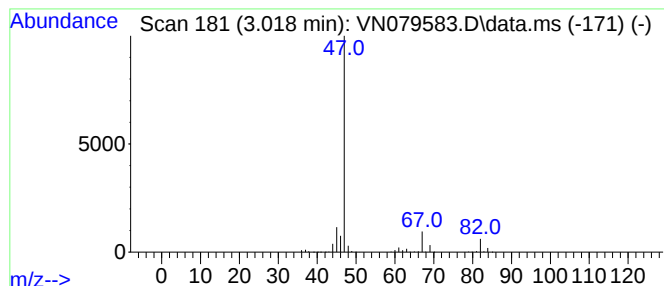
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Ethane, 1-chloro-1-fluoro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.018	224.79 ug/l	4113260	Bromochloromethane	7.818

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethane, 1-chloro-1-fluoro-	82	C2H4ClF	001615-75-4	86
2			Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	42
3			N-Carbethoxy-N-methoxyamine	119	C4H9NO3	003871-28-1	9
4			Propane, 2-fluoro-	62	C3H7F	000420-26-8	7
5			Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
Data File : VN079583.D
Acq On : 17 Oct 2023 15:57
Operator : JC\MD
Sample : 04909-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LCOL-12

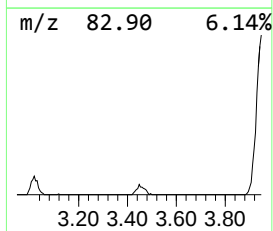
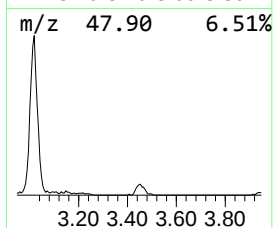
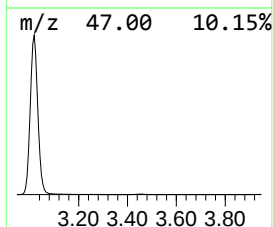
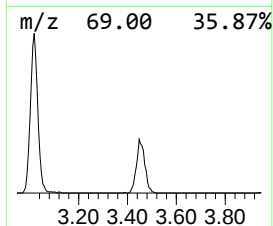
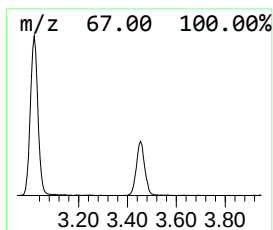
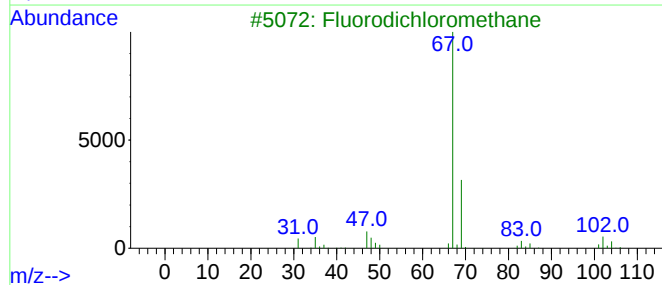
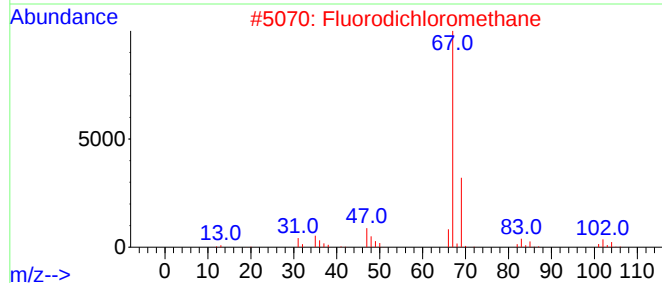
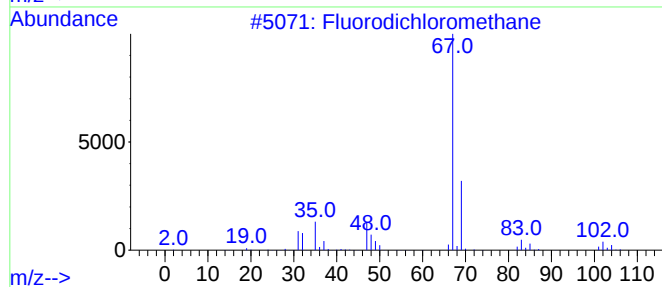
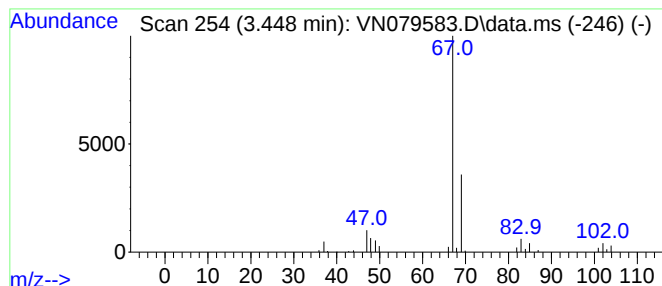
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Fluorodichloromethane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.448	9.85 ug/l	180310	Bromochloromethane	7.818

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluorodichloromethane	102	CHCl2F	000075-43-4	95
2			Fluorodichloromethane	102	CHCl2F	000075-43-4	91
3			Fluorodichloromethane	102	CHCl2F	000075-43-4	86
4			Ethyl 2-butynoate	112	C6H8O2	004341-76-8	9
5			Chlorine dioxide	67	ClO2	010049-04-4	5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
Data File : VN079583.D
Acq On : 17 Oct 2023 15:57
Operator : JC\MD
Sample : 04909-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LCOL-12

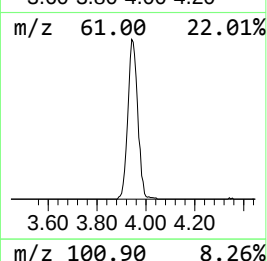
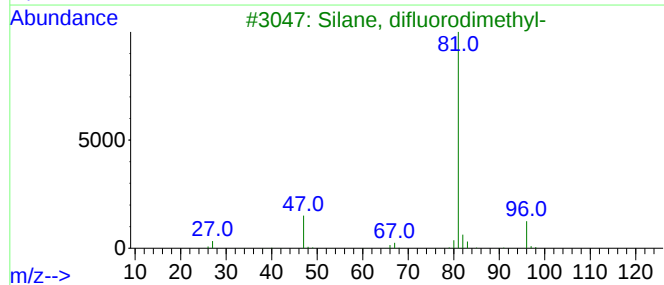
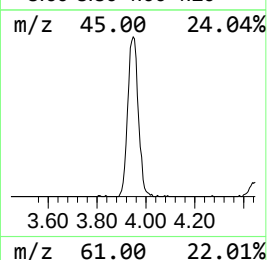
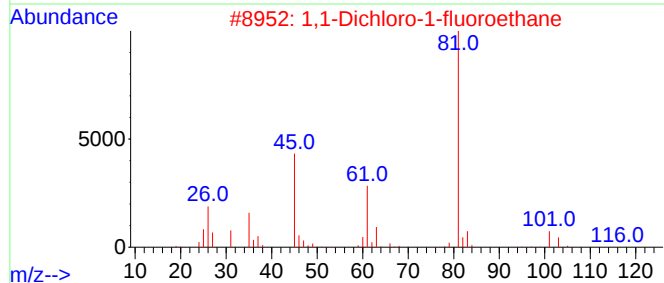
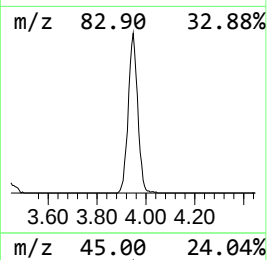
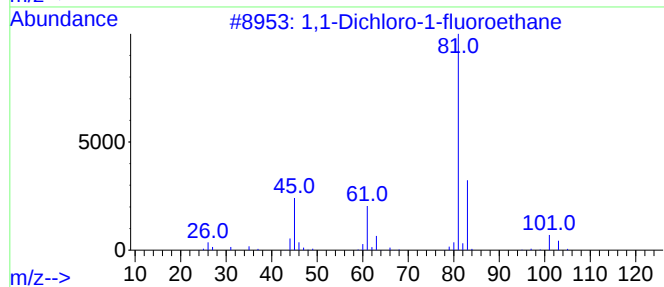
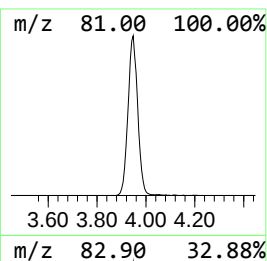
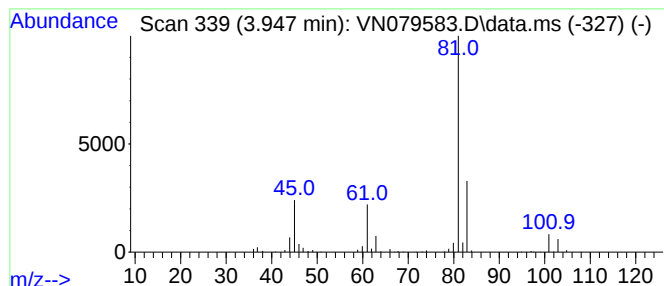
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1,1-Dichloro-1-fluoroethane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.947	40.62 ug/l	743284	Bromochloromethane	7.818

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1-Dichloro-1-fluoroethane	116	C2H3Cl2F	001717-00-6	90
2			1,1-Dichloro-1-fluoroethane	116	C2H3Cl2F	001717-00-6	72
3			Silane, difluorodimethyl-	96	C2H6F2Si	000353-66-2	23
4			Silane, difluorodimethyl-	96	C2H6F2Si	000353-66-2	4
5			1H-Pyrrole, 1-methyl-	81	C5H7N	000096-54-8	3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
Data File : VN079583.D
Acq On : 17 Oct 2023 15:57
Operator : JC\MD
Sample : 04909-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LCOL-12

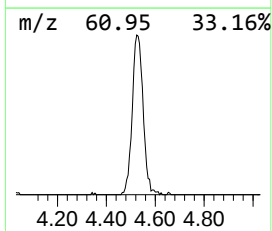
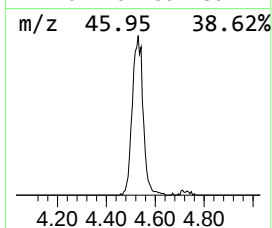
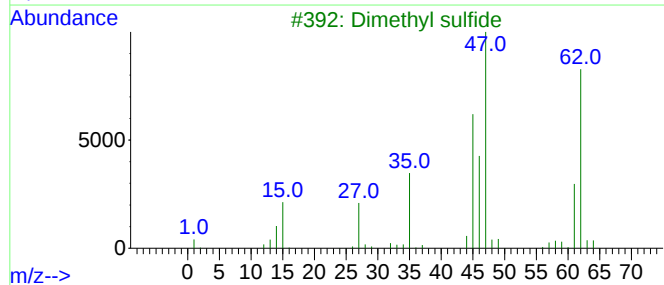
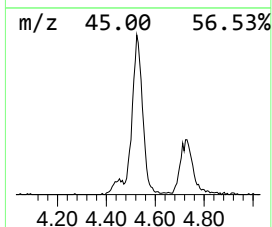
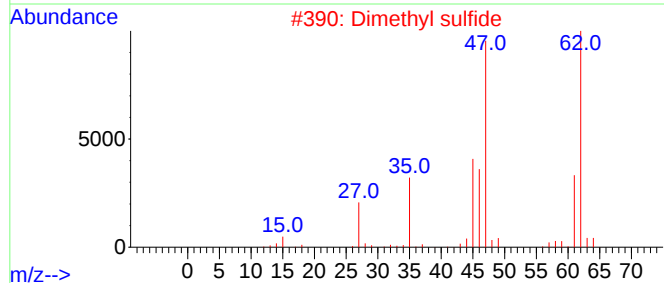
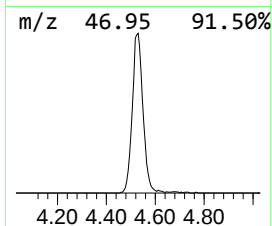
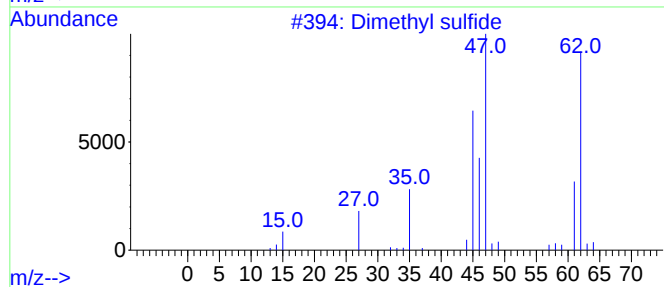
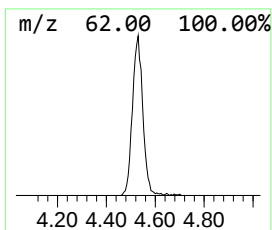
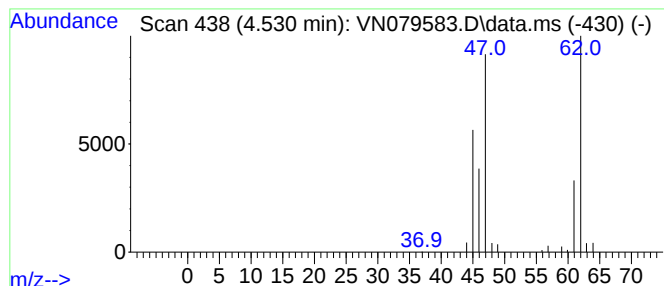
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Dimethyl sulfide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.530	26.72 ug/l	488980	Bromochloromethane	7.818

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dimethyl sulfide	62	C2H6S	000075-18-3	94
2			Dimethyl sulfide	62	C2H6S	000075-18-3	94
3			Dimethyl sulfide	62	C2H6S	000075-18-3	91
4			Dimethyl sulfide	62	C2H6S	000075-18-3	91
5			Dimethyl sulfide	62	C2H6S	000075-18-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
Data File : VN079583.D
Acq On : 17 Oct 2023 15:57
Operator : JC\MD
Sample : 04909-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LCOL-12

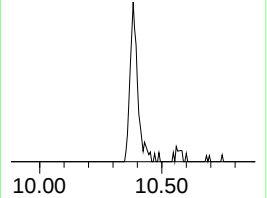
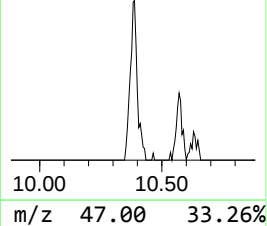
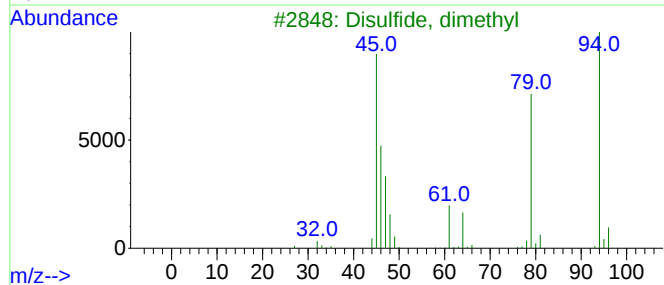
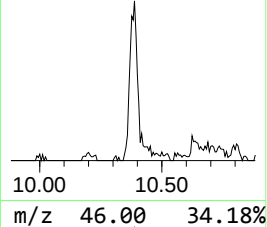
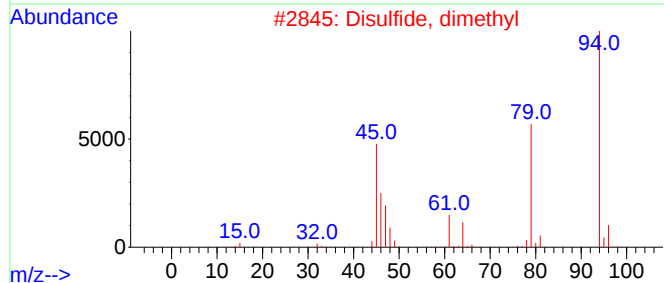
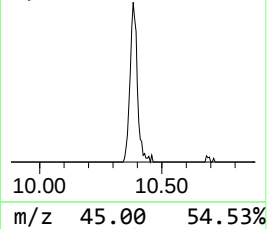
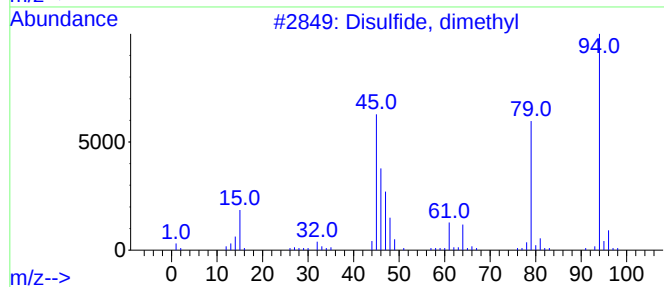
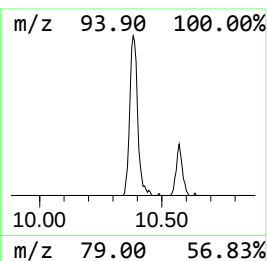
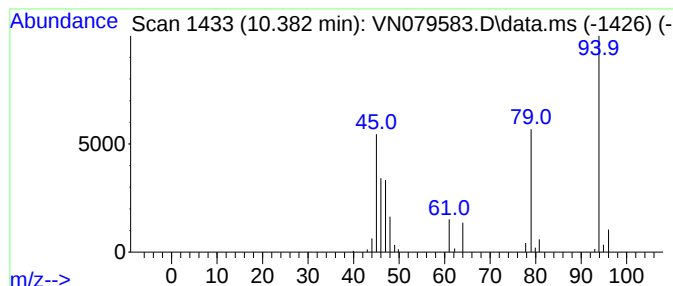
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Disulfide, dimethyl Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.382	7.47 ug/l	98936	1,4-Difluorobenzene	9.106

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Disulfide, dimethyl	94	C2H6S2	000624-92-0	94
2			Disulfide, dimethyl	94	C2H6S2	000624-92-0	94
3			Disulfide, dimethyl	94	C2H6S2	000624-92-0	94
4			Disulfide, dimethyl	94	C2H6S2	000624-92-0	91
5			Disulfide, dimethyl	94	C2H6S2	000624-92-0	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
Data File : VN079583.D
Acq On : 17 Oct 2023 15:57
Operator : JC\MD
Sample : 04909-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
LCOL-12

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Ethane, 1-chlor...	2.330	16.5	ug/l	302474	1	7.818	548951	30.0
Methane, chloro...	2.489	10.7	ug/l	195475	1	7.818	548951	30.0
unknown2.830	2.830	9.2	ug/l	168415	1	7.818	548951	30.0
Ethane, 1-chlor...	3.018	224.8	ug/l	4113260	1	7.818	548951	30.0
Fluorodichlorom...	3.448	9.8	ug/l	180310	1	7.818	548951	30.0
1,1-Dichloro-1-...	3.947	40.6	ug/l	743284	1	7.818	548951	30.0
Dimethyl sulfide	4.530	26.7	ug/l	488980	1	7.818	548951	30.0
Disulfide, dime...	10.382	7.5	ug/l	98936	2	9.106	397352	30.0